The Parma Polyhedra Library Configured C Language Interface User's Manual*
(version 0.11.2)

Roberto Bagnara†
Patricia M. Hill‡
Enea Zaffanella§

February 27, 2011

*This work has been partly supported by: University of Parma's FIL scientific research project (ex 60%) "Pure and Applied Mathematics"; MURST project "Automatic Program Certification by Abstract Interpretation"; MURST project "Abstract Interpretation, Type Systems and Control-Flow Analysis"; MURST project "Automatic Aggregate- and Number-Reasoning for Computing: from Decision Algorithms to Constraint Programming with Multisets, Sets, and Maps"; MURST project "Constraint Based Verification of Reactive Systems"; MURST project "Abstract Interpretation: Design and Applications"; EPSRC project "Numerical Domains for Software Analysis"; EPSRC project "Geometric Abstractions for Scalable Program Analyzers".

†bagnara@cs.unipr.it, Department of Mathematics, University of Parma, Italy.
‡hill@comp.leeds.ac.uk, School of Computing, University of Leeds, U.K.
§zaffanella@cs.unipr.it, Department of Mathematics, University of Parma, Italy.

Copyright © 2001–2010 Roberto Bagnara (bagnara@cs.unipr.it).

This document describes the Parma Polyhedra Library (PPL).

Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.2 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled "GNU Free Documentation License".

The PPL is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 3 of the License, or (at your option) any later version. A copy of the license is included in the section entitled "GNU GENERAL PUBLIC LICENSE".

The PPL is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

For the most up-to-date information see the Parma Polyhedra Library site:

http://www.cs.unipr.it/ppl/

Contents

1 Main Page **1**

2 GNU General Public License **2**

3 GNU Free Documentation License **12**

4 Module Index **17**

4.1 Modules 17

5 Class Index **17**

5.1 Class List 17

6 Module Documentation **25**

6.1 C Language Interface 25

6.2 Library Initialization and Finalization 25

6.3 Version Checking 27

6.4 Error Handling 28

6.5 Handling 30

6.6 Library Datatypes 31

7 Class Documentation **59**

7.1 ppl_Artificial_Parameter_Sequence_const_iterator_tag Interface Reference 59

7.2 ppl_Artificial_Parameter_tag Interface Reference 60

7.3 ppl_BD_Shape_double_tag Interface Reference 61

7.4 ppl_BD_Shape_float_tag Interface Reference . . . 89
7.5 ppl_BD_Shape_int16_t_tag Interface Reference . . . 116
7.6 ppl_BD_Shape_int32_t_tag Interface Reference . . . 144
7.7 ppl_BD_Shape_int64_t_tag Interface Reference . . . 171
7.8 ppl_BD_Shape_int8_t_tag Interface Reference . . . 199
7.9 ppl_BD_Shape_long_double_tag Interface Reference . . . 226
7.10 ppl_BD_Shape_mpq_class_tag Interface Reference . . . 255
7.11 ppl_BD_Shape_mpz_class_tag Interface Reference . . . 283
7.12 ppl_Coefficient_tag Interface Reference . . . 311
7.13 ppl_Congruence_System_const_iterator_tag Interface Reference . . . 313
7.14 ppl_Congruence_System_tag Interface Reference . . . 314
7.15 ppl_Congruence_tag Interface Reference . . . 315
7.16 ppl_Constraint_System_const_iterator_tag Interface Reference . . . 317
7.17 ppl_Constraint_System_tag Interface Reference . . . 318
7.18 ppl_Constraint_tag Interface Reference . . . 320
7.19 ppl_Constraints_Product_C_Polyhedron_Grid_tag Interface Reference . . . 321
7.20 ppl_Constraints_Product_Grid_C_Polyhedron_tag Interface Reference . . . 345
7.21 ppl_Constraints_Product_Grid_NNC_Polyhedron_tag Interface Reference . . . 369
7.22 ppl_Constraints_Product_NNC_Polyhedron_Grid_tag Interface Reference . . . 394
7.23 ppl_Double_Box_tag Interface Reference . . . 418
7.24 ppl_Float_Box_tag Interface Reference . . . 443
7.25 ppl_Generator_System_const_iterator_tag Interface Reference . . . 468
7.26 ppl_Generator_System_tag Interface Reference . . . 469
7.27 ppl_Generator_tag Interface Reference . . . 471
7.28 ppl_Grid_Generator_System_const_iterator_tag Interface Reference . . . 472
7.29 ppl_Grid_Generator_System_tag Interface Reference . . . 473
7.30 ppl_Grid_Generator_tag Interface Reference . . . 475
7.31 ppl_Grid_tag Interface Reference . . . 477
7.32 ppl_Int16_Box_tag Interface Reference . . . 502
7.33 ppl_Int32_Box_tag Interface Reference . . . 526
7.34 ppl_Int64_Box_tag Interface Reference . . . 551
7.35 ppl_Int8_Box_tag Interface Reference . . . 575
7.36 ppl_Linear_Expression_tag Interface Reference . . . 600
7.37 ppl_Long_Double_Box_tag Interface Reference . . . 602
7.38 ppl_MIP_Problem_tag Interface Reference . . . 629
7.39 ppl_Octagonal_Shape_double_tag Interface Reference . . . 633

7.40 ppl_Octagonal_Shape_float_tag Interface Reference 662
7.41 ppl_Octagonal_Shape_int16_t_tag Interface Reference 689
7.42 ppl_Octagonal_Shape_int32_t_tag Interface Reference 717
7.43 ppl_Octagonal_Shape_int64_t_tag Interface Reference 746
7.44 ppl_Octagonal_Shape_int8_t_tag Interface Reference 774
7.45 ppl_Octagonal_Shape_long_double_tag Interface Reference 802
7.46 ppl_Octagonal_Shape_mpq_class_tag Interface Reference 831
7.47 ppl_Octagonal_Shape_mpz_class_tag Interface Reference 860
7.48 ppl_PIP_Decision_Node_tag Interface Reference 889
7.49 ppl_PIP_Problem_tag Interface Reference 890
7.50 ppl_PIP_Solution_Node_tag Interface Reference 894
7.51 ppl_PIP_Tree_Node_tag Interface Reference 895
7.52 ppl_Pointset_Powerset_BD_Shape_double_const_iterator_tag Interface Reference 896
7.53 ppl_Pointset_Powerset_BD_Shape_double_iterator_tag Interface Reference 898
7.54 ppl_Pointset_Powerset_BD_Shape_double_tag Interface Reference 900
7.55 ppl_Pointset_Powerset_BD_Shape_float_const_iterator_tag Interface Reference 915
7.56 ppl_Pointset_Powerset_BD_Shape_float_iterator_tag Interface Reference 917
7.57 ppl_Pointset_Powerset_BD_Shape_float_tag Interface Reference 919
7.58 ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_tag Interface Reference 933
7.59 ppl_Pointset_Powerset_BD_Shape_int16_t_iterator_tag Interface Reference 935
7.60 ppl_Pointset_Powerset_BD_Shape_int16_t_tag Interface Reference 937
7.61 ppl_Pointset_Powerset_BD_Shape_int32_t_const_iterator_tag Interface Reference 952
7.62 ppl_Pointset_Powerset_BD_Shape_int32_t_iterator_tag Interface Reference 954
7.63 ppl_Pointset_Powerset_BD_Shape_int32_t_tag Interface Reference 956
7.64 ppl_Pointset_Powerset_BD_Shape_int64_t_const_iterator_tag Interface Reference 970
7.65 ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_tag Interface Reference 972
7.66 ppl_Pointset_Powerset_BD_Shape_int64_t_tag Interface Reference 974
7.67 ppl_Pointset_Powerset_BD_Shape_int8_t_const_iterator_tag Interface Reference 989
7.68 ppl_Pointset_Powerset_BD_Shape_int8_t_iterator_tag Interface Reference 991
7.69 ppl_Pointset_Powerset_BD_Shape_int8_t_tag Interface Reference 993
7.70 ppl_Pointset_Powerset_BD_Shape_long_double_const_iterator_tag Interface Reference . 1007
7.71 ppl_Pointset_Powerset_BD_Shape_long_double_iterator_tag Interface Reference 1009
7.72 ppl_Pointset_Powerset_BD_Shape_long_double_tag Interface Reference 1011
7.73 ppl_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_tag Interface Reference . . 1026
7.74 ppl_Pointset_Powerset_BD_Shape_mpq_class_iterator_tag Interface Reference 1028
7.75 ppl_Pointset_Powerset_BD_Shape_mpq_class_tag Interface Reference 1030

7.76 ppl_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_tag Interface Reference . . 1045
7.77 ppl_Pointset_Powerset_BD_Shape_mpz_class_iterator_tag Interface Reference 1047
7.78 ppl_Pointset_Powerset_BD_Shape_mpz_class_tag Interface Reference 1049
7.79 ppl_Pointset_Powerset_C_Polyhedron_const_iterator_tag Interface Reference 1064
7.80 ppl_Pointset_Powerset_C_Polyhedron_iterator_tag Interface Reference 1066
7.81 ppl_Pointset_Powerset_C_Polyhedron_tag Interface Reference 1069
7.82 ppl_Pointset_Powerset_Double_Box_const_iterator_tag Interface Reference 1084
7.83 ppl_Pointset_Powerset_Double_Box_iterator_tag Interface Reference 1086
7.84 ppl_Pointset_Powerset_Double_Box_tag Interface Reference 1088
7.85 ppl_Pointset_Powerset_Float_Box_const_iterator_tag Interface Reference 1102
7.86 ppl_Pointset_Powerset_Float_Box_iterator_tag Interface Reference 1104
7.87 ppl_Pointset_Powerset_Float_Box_tag Interface Reference 1106
7.88 ppl_Pointset_Powerset_Grid_const_iterator_tag Interface Reference 1119
7.89 ppl_Pointset_Powerset_Grid_iterator_tag Interface Reference 1121
7.90 ppl_Pointset_Powerset_Grid_tag Interface Reference 1122
7.91 ppl_Pointset_Powerset_Int16_Box_const_iterator_tag Interface Reference 1136
7.92 ppl_Pointset_Powerset_Int16_Box_iterator_tag Interface Reference 1138
7.93 ppl_Pointset_Powerset_Int16_Box_tag Interface Reference 1140
7.94 ppl_Pointset_Powerset_Int32_Box_const_iterator_tag Interface Reference 1153
7.95 ppl_Pointset_Powerset_Int32_Box_iterator_tag Interface Reference 1155
7.96 ppl_Pointset_Powerset_Int32_Box_tag Interface Reference 1157
7.97 ppl_Pointset_Powerset_Int64_Box_const_iterator_tag Interface Reference 1170
7.98 ppl_Pointset_Powerset_Int64_Box_iterator_tag Interface Reference 1172
7.99 ppl_Pointset_Powerset_Int64_Box_tag Interface Reference 1174
7.100 ppl_Pointset_Powerset_Int8_Box_const_iterator_tag Interface Reference 1187
7.101 ppl_Pointset_Powerset_Int8_Box_iterator_tag Interface Reference 1189
7.102 ppl_Pointset_Powerset_Int8_Box_tag Interface Reference 1191
7.103 ppl_Pointset_Powerset_Long_Double_Box_const_iterator_tag Interface Reference 1204
7.104 ppl_Pointset_Powerset_Long_Double_Box_iterator_tag Interface Reference 1206
7.105 ppl_Pointset_Powerset_Long_Double_Box_tag Interface Reference 1208
7.106 ppl_Pointset_Powerset_NNC_Polyhedron_const_iterator_tag Interface Reference 1222
7.107 ppl_Pointset_Powerset_NNC_Polyhedron_iterator_tag Interface Reference 1224
7.108 ppl_Pointset_Powerset_NNC_Polyhedron_tag Interface Reference 1226
7.109 ppl_Pointset_Powerset_Octagonal_Shape_double_const_iterator_tag Interface Reference . 1240
7.110 ppl_Pointset_Powerset_Octagonal_Shape_double_iterator_tag Interface Reference 1242
7.111 ppl_Pointset_Powerset_Octagonal_Shape_double_tag Interface Reference 1244

7.112 ppl_Pointset_Powerset_Octagonal_Shape_float_const_iterator_tag Interface Reference . . 1259
7.113 ppl_Pointset_Powerset_Octagonal_Shape_float_iterator_tag Interface Reference 1261
7.114 ppl_Pointset_Powerset_Octagonal_Shape_float_tag Interface Reference 1262
7.115 ppl_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_tag Interface Reference . 1277
7.116 ppl_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_tag Interface Reference 1279
7.117 ppl_Pointset_Powerset_Octagonal_Shape_int16_t_tag Interface Reference 1281
7.118 ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_tag Interface Reference . 1296
7.119 ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_tag Interface Reference 1298
7.120 ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag Interface Reference 1300
7.121 ppl_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_tag Interface Reference . 1314
7.122 ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_tag Interface Reference 1316
7.123 ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag Interface Reference 1318
7.124 ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_tag Interface Reference . 1333
7.125 ppl_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_tag Interface Reference 1335
7.126 ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag Interface Reference 1337
7.127 ppl_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_tag Interface Reference 1352
7.128 ppl_Pointset_Powerset_Octagonal_Shape_long_double_iterator_tag Interface Reference . 1354
7.129 ppl_Pointset_Powerset_Octagonal_Shape_long_double_tag Interface Reference 1356
7.130 ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator_tag Interface Reference 1371
7.131 ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_tag Interface Reference . . 1373
7.132 ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_tag Interface Reference 1375
7.133 ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_tag Interface Reference 1390
7.134 ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_tag Interface Reference . . 1392
7.135 ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_tag Interface Reference 1394
7.136 ppl_Pointset_Powerset_Rational_Box_const_iterator_tag Interface Reference 1409
7.137 ppl_Pointset_Powerset_Rational_Box_iterator_tag Interface Reference 1411
7.138 ppl_Pointset_Powerset_Rational_Box_tag Interface Reference 1413
7.139 ppl_Pointset_Powerset_Uint16_Box_const_iterator_tag Interface Reference 1426
7.140 ppl_Pointset_Powerset_Uint16_Box_iterator_tag Interface Reference 1428
7.141 ppl_Pointset_Powerset_Uint16_Box_tag Interface Reference 1430
7.142 ppl_Pointset_Powerset_Uint32_Box_const_iterator_tag Interface Reference 1444
7.143 ppl_Pointset_Powerset_Uint32_Box_iterator_tag Interface Reference 1446
7.144 ppl_Pointset_Powerset_Uint32_Box_tag Interface Reference 1448
7.145 ppl_Pointset_Powerset_Uint64_Box_const_iterator_tag Interface Reference 1461
7.146 ppl_Pointset_Powerset_Uint64_Box_iterator_tag Interface Reference 1463

7.147ppl_Pointset_Powerset_Uint64_Box_tag Interface Reference 1465
7.148ppl_Pointset_Powerset_Uint8_Box_const_iterator_tag Interface Reference 1478
7.149ppl_Pointset_Powerset_Uint8_Box_iterator_tag Interface Reference 1480
7.150ppl_Pointset_Powerset_Uint8_Box_tag Interface Reference 1482
7.151ppl_Pointset_Powerset_Z_Box_const_iterator_tag Interface Reference 1496
7.152ppl_Pointset_Powerset_Z_Box_iterator_tag Interface Reference 1498
7.153ppl_Pointset_Powerset_Z_Box_tag Interface Reference 1500
7.154ppl_Polyhedron_tag Interface Reference 1513
7.155ppl_Rational_Box_tag Interface Reference 1567
7.156ppl_Uint16_Box_tag Interface Reference 1593
7.157ppl_Uint32_Box_tag Interface Reference 1618
7.158ppl_Uint64_Box_tag Interface Reference 1643
7.159ppl_Uint8_Box_tag Interface Reference 1668
7.160ppl_Z_Box_tag Interface Reference 1693

1 Main Page

All the declarations needed for using the PPL's C interface (preprocessor symbols, data types, variables and functions) are collected in the header file `ppl_c.h`. This file, which is designed to work with pre-ANSI and ANSI C compilers as well as C99 and C++ compilers, should be included, either directly or via some other header file, with the directive

```
#include <ppl_c.h>
```

If this directive does not work, then your compiler is unable to find the file `ppl_c.h`. So check that the library is installed (if it is not installed, you may want to `make install`, perhaps with root privileges) in the right place (if not you may want to reconfigure the library using the appropriate pathname for the `--prefix` option); and that your compiler knows where it is installed (if not you should add the path to the directory where `ppl_c.h` is located to the compiler's include file search path; this is usually done with the `-I` option).

The name space of the PPL's C interface is `PPL_*` for preprocessor symbols, enumeration values and variables; and `ppl_*` for data types and function names. The interface systematically uses *opaque data types* (generic pointers that completely hide the internal representations from the client code) and provides all required access functions. By using just the interface, the client code can exploit all the functionalities of the library yet avoid directly manipulating the library's data structures. The advantages are that (1) applications do not depend on the internals of the library (these may change from release to release), and (2) the interface invariants can be thoroughly checked (by the access functions).

Note

All functions taking as input argument an opaque pointer datatype assume that such an argument is actually *referring to a valid PPL object*. For instance, a function with an argument having type `ppl_MIP_Problem_t` will expect a valid MIP_Problem object, previously initialized by calling, e.g., `ppl_new_MIP_Problem`. If that is not the case (e.g., if a null pointer is passed in), the behavior is undefined.

The PPL's C interface is initialized by means of the `ppl_initialize` function. This function must be called *before using any other interface of the library*. The application can release the resources allocated

by the library by calling the `ppl_finalize` function. After this function is called *no other interface of the library may be used* until the interface is re-initialized using `ppl_initialize`.

Any application using the PPL should make sure that only the intended version(s) of the library are ever used. The version used can be checked at compile-time thanks to the macros PPL_VERSION_MAJOR, PPL_VERSION_MINOR, PPL_VERSION_REVISION and PPL_VERSION_BETA, which give, respectively major, minor, revision and beta numbers of the PPL version. This is an example of their use:

```
#if PPL_VERSION_MAJOR == 0 && PPL_VERSION_MINOR < 6
# error "PPL version 0.6 or following is required"
#endif
```

Compile-time checking, however, is not normally enough, particularly in an environment where there is dynamic linking. Run-time checking can be performed by means of the functions `ppl_version_major`, `ppl_version_minor`, `ppl_version_revision`, and `ppl_version_beta`. The PPL's C interface also provides functions `ppl_version`, returning character string containing the full version number, and `ppl_banner`, returning a string that, in addition, provides (pointers to) other useful information for the library user.

All programs using the PPL's C interface must link with the following libraries: `libppl_c` (PPL's C interface), `libppl` (PPL's core), `libgmpxx` (GMP's C++ interface), and `libgmp` (GMP's library core). On most Unix-like systems, this is done by adding `-lppl_c`, `-lppl`, `-lgmpxx`, and `-lgmp` to the compiler's or linker's command line. For example:

```
gcc myprogram.o -lppl_c -lppl -lgmpxx -lgmp
```

If this does not work, it means that your compiler/linker is not finding the libraries where it expects. Again, this could be because you forgot to install the library or you installed it in a non-standard location. In the latter case you will need to use the appropriate options (usually `-L`) and, if you use shared libraries, some sort of run-time path selection mechanisms. Consult your compiler's documentation for details. Notice that the PPL is built using `Libtool` and an application can exploit this fact to significantly simplify the linking phase. See Libtool's documentation for details. Those working under Linux can find a lot of useful information on how to use program libraries (including static, shared, and dynamically loaded libraries) in the `Program Library HOWTO`.

For examples on how to use the functions provided by the C interface, you are referred to the directory `demos/ppl_lpsol/` in the source distribution. It contains a *Mixed Integer (Linear) Programming* solver written in C. In order to use this solver you will need to install `GLPK` (the GNU Linear Programming Kit): this is used to read linear programs in MPS format.

2 GNU General Public License

Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. `http://fsf.org/`

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We,

the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification),

making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

1. Source Code.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your

copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.

4. Conveying Verbatim Copies.

You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

- a) The work must carry prominent notices stating that you modified it, and giving a relevant date.
- b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".
- c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.
- d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

- a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.
- b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.
- c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.
- d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.
- e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction

is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

- a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or
- b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or
- c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or
- d) Limiting the use for publicity purposes of names of licensors or authors of the material; or
- e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or
- f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.

9. Acceptance Not Required for Having Copies.

You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

An “entity transaction” is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party’s predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.

12. No Surrender of Others' Freedom.

If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms

that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS),

EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

```
 one line to give the program's name and a brief idea of what it does.
Copyright (C)  year   name of author

This program is free software: you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation, either version 3 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program.  If not, see  http://www.gnu.org/licenses/.
```

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

```
 program  Copyright (C)  year   name of author
This program comes with ABSOLUTELY NO WARRANTY; for details type 'show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type 'show c' for details.
```

The hypothetical commands 'show w' and 'show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see http://www.gnu.org/licenses/.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read http://www.gnu.org/philosophy/why-not-lgpl.html.

3 GNU Free Documentation License

Version 1.2, November 2002

Copyright (C) 2000,2001,2002 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301, USA.
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

0. PREAMBLE

The purpose of this License is to make a manual, textbook, or other functional and useful document "free" in the sense of freedom: to assure everyone the effective freedom to copy and redistribute it, with or without modifying it, either commercially or noncommercially. Secondarily, this License preserves for the author and publisher a way to get credit for their work, while not being considered responsible for modifications made by others.

This License is a kind of "copyleft", which means that derivative works of the document must themselves be free in the same sense. It complements the GNU General Public License, which is a copyleft license designed for free software.

We have designed this License in order to use it for manuals for free software, because free software needs free documentation: a free program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals; it can be used for any textual work, regardless of subject matter or whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.

1. APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a worldwide, royalty-free license, unlimited in duration, to use that work under the conditions stated herein. The "Document", below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as "you". You accept the license if you copy, modify or distribute the work in a way requiring permission under copyright law.

A "Modified Version" of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A "Secondary Section" is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The "Invariant Sections" are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a section does not fit the above definition of Secondary then it is not allowed to be designated as Invariant. The Document may contain zero Invariant Sections. If the Document does not identify any Invariant Sections then there are none.

The "Cover Texts" are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that the Document is released under this License. A Front-Cover Text may be at most 5 words, and a Back-Cover Text may be at most 25 words.

A "Transparent" copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, that is suitable for revising the document straightforwardly with generic text editors or (for images composed of pixels) generic paint programs or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or for automatic translation to a variety of formats suitable for input to text formatters. A copy made in an otherwise Transparent file format whose markup, or absence of markup, has been arranged to thwart or discourage subsequent modification by readers is not Transparent. An image format is not Transparent if used for any substantial amount of text. A copy that is not "Transparent" is called "Opaque".

Examples of suitable formats for Transparent copies include plain ASCII without markup, Texinfo input format, LaTeX input format, SGML or XML using a publicly available DTD, and standard-conforming simple HTML, PostScript or PDF designed for human modification. Examples of transparent image formats include PNG, XCF and JPG. Opaque formats include proprietary formats that can be read and edited only by proprietary word processors, SGML or XML for which the DTD and/or processing tools are not generally available, and the machine-generated HTML, PostScript or PDF produced by some word processors for output purposes only.

The "Title Page" means, for a printed book, the title page itself, plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, "Title Page" means the text near the most prominent appearance of the work's title, preceding the beginning of the body of the text.

A section "Entitled XYZ" means a named subunit of the Document whose title either is precisely XYZ or contains XYZ in parentheses following text that translates XYZ in another language. (Here XYZ stands for a specific section name mentioned below, such as "Acknowledgements", "Dedications", "Endorsements", or "History".) To "Preserve the Title" of such a section when you modify the Document means that it remains a section "Entitled XYZ" according to this definition.

The Document may include Warranty Disclaimers next to the notice which states that this License applies to the Document. These Warranty Disclaimers are considered to be included by reference in this License, but only as regards disclaiming warranties: any other implication that these Warranty Disclaimers may have is void and has no effect on the meaning of this License.

2. VERBATIM COPYING

You may copy and distribute the Document in any medium, either commercially or noncommercially, provided that this License, the copyright notices, and the license notice saying this License applies to the Document are reproduced in all copies, and that you add no other conditions whatsoever to those of this License. You may not use technical measures to obstruct or control the reading or further copying of the copies you make or distribute. However, you may accept compensation in exchange for copies. If you distribute a large enough number of copies you must also follow the conditions in section 3.

You may also lend copies, under the same conditions stated above, and you may publicly display copies.

3. COPYING IN QUANTITY

If you publish printed copies (or copies in media that commonly have printed covers) of the Document, numbering more than 100, and the Document's license notice requires Cover Texts, you must enclose the copies in covers that carry, clearly and legibly, all these Cover Texts: Front-Cover Texts on the front cover, and Back-Cover Texts on the back cover. Both covers must also clearly and legibly identify you as the publisher of these copies. The front cover must present the full title with all words of the title equally prominent and visible. You may add other material on the covers in addition. Copying with changes limited to the covers, as long as they preserve the title of the Document and satisfy these conditions, can be treated as verbatim copying in other respects.

If the required texts for either cover are too voluminous to fit legibly, you should put the first ones listed (as many as fit reasonably) on the actual cover, and continue the rest onto adjacent pages.

If you publish or distribute Opaque copies of the Document numbering more than 100, you must either include a machine-readable Transparent copy along with each Opaque copy, or state in or with each Opaque copy a computer-network location from which the general network-using public has access to download using public-standard network protocols a complete Transparent copy of the Document, free of added material. If you use the latter option, you must take reasonably prudent steps, when you begin distribution of Opaque copies in quantity, to ensure that this Transparent copy will remain thus accessible at the stated location until at least one year after the last time you distribute an Opaque copy (directly or through your agents or retailers) of that edition to the public.

It is requested, but not required, that you contact the authors of the Document well before redistributing any large number of copies, to give them a chance to provide you with an updated version of the Document.

4. MODIFICATIONS

You may copy and distribute a Modified Version of the Document under the conditions of sections 2 and 3 above, provided that you release the Modified Version under precisely this License, with the Modified Version filling the role of the Document, thus licensing distribution and modification of the Modified Version to whoever possesses a copy of it. In addition, you must do these things in the Modified Version:

- **A.** Use in the Title Page (and on the covers, if any) a title distinct from that of the Document, and from those of previous versions (which should, if there were any, be listed in the History section of the Document). You may use the same title as a previous version if the original publisher of that version gives permission.
- **B.** List on the Title Page, as authors, one or more persons or entities responsible for authorship of the modifications in the Modified Version, together with at least five of the principal authors of the Document (all of its principal authors, if it has fewer than five), unless they release you from this requirement.
- **C.** State on the Title page the name of the publisher of the Modified Version, as the publisher.
- **D.** Preserve all the copyright notices of the Document.
- **E.** Add an appropriate copyright notice for your modifications adjacent to the other copyright notices.
- **F.** Include, immediately after the copyright notices, a license notice giving the public permission to use the Modified Version under the terms of this License, in the form shown in the Addendum below.
- **G.** Preserve in that license notice the full lists of Invariant Sections and required Cover Texts given in the Document's license notice.
- **H.** Include an unaltered copy of this License.
- **I.** Preserve the section Entitled "History", Preserve its Title, and add to it an item stating at least the title, year, new authors, and publisher of the Modified Version as given on the Title Page. If there is no section Entitled "History" in the Document, create one stating the title, year, authors, and publisher of the Document as given on its Title Page, then add an item describing the Modified Version as stated in the previous sentence.
- **J.** Preserve the network location, if any, given in the Document for public access to a Transparent copy of the Document, and likewise the network locations given in the Document for previous versions it was based on. These may be placed in the "History" section. You may omit a network location for a work that was published at least four years before the Document itself, or if the original publisher of the version it refers to gives permission.

- **K.** For any section Entitled "Acknowledgements" or "Dedications", Preserve the Title of the section, and preserve in the section all the substance and tone of each of the contributor acknowledgements and/or dedications given therein.
- **L.** Preserve all the Invariant Sections of the Document, unaltered in their text and in their titles. Section numbers or the equivalent are not considered part of the section titles.
- **M.** Delete any section Entitled "Endorsements". Such a section may not be included in the Modified Version.
- **N.** Do not retitle any existing section to be Entitled "Endorsements" or to conflict in title with any Invariant Section.
- **O.** Preserve any Warranty Disclaimers.

If the Modified Version includes new front-matter sections or appendices that qualify as Secondary Sections and contain no material copied from the Document, you may at your option designate some or all of these sections as invariant. To do this, add their titles to the list of Invariant Sections in the Modified Version's license notice. These titles must be distinct from any other section titles.

You may add a section Entitled "Endorsements", provided it contains nothing but endorsements of your Modified Version by various parties--for example, statements of peer review or that the text has been approved by an organization as the authoritative definition of a standard.

You may add a passage of up to five words as a Front-Cover Text, and a passage of up to 25 words as a Back-Cover Text, to the end of the list of Cover Texts in the Modified Version. Only one passage of Front-Cover Text and one of Back-Cover Text may be added by (or through arrangements made by) any one entity. If the Document already includes a cover text for the same cover, previously added by you or by arrangement made by the same entity you are acting on behalf of, you may not add another; but you may replace the old one, on explicit permission from the previous publisher that added the old one.

The author(s) and publisher(s) of the Document do not by this License give permission to use their names for publicity for or to assert or imply endorsement of any Modified Version.

5. COMBINING DOCUMENTS

You may combine the Document with other documents released under this License, under the terms defined in section 4 above for modified versions, provided that you include in the combination all of the Invariant Sections of all of the original documents, unmodified, and list them all as Invariant Sections of your combined work in its license notice, and that you preserve all their Warranty Disclaimers.

The combined work need only contain one copy of this License, and multiple identical Invariant Sections may be replaced with a single copy. If there are multiple Invariant Sections with the same name but different contents, make the title of each such section unique by adding at the end of it, in parentheses, the name of the original author or publisher of that section if known, or else a unique number. Make the same adjustment to the section titles in the list of Invariant Sections in the license notice of the combined work.

In the combination, you must combine any sections Entitled "History" in the various original documents, forming one section Entitled "History"; likewise combine any sections Entitled "Acknowledgements", and any sections Entitled "Dedications". You must delete all sections Entitled "Endorsements."

6. COLLECTIONS OF DOCUMENTS

You may make a collection consisting of the Document and other documents released under this License, and replace the individual copies of this License in the various documents with a single copy that is included in the collection, provided that you follow the rules of this License for verbatim copying of each of the documents in all other respects.

You may extract a single document from such a collection, and distribute it individually under this License, provided you insert a copy of this License into the extracted document, and follow this License in all other respects regarding verbatim copying of that document.

7. AGGREGATION WITH INDEPENDENT WORKS

A compilation of the Document or its derivatives with other separate and independent documents or works, in or on a volume of a storage or distribution medium, is called an "aggregate" if the copyright resulting from the compilation is not used to limit the legal rights of the compilation's users beyond what the individual works permit. When the Document is included in an aggregate, this License does not apply to the other works in the aggregate which are not themselves derivative works of the Document.

If the Cover Text requirement of section 3 is applicable to these copies of the Document, then if the Document is less than one half of the entire aggregate, the Document's Cover Texts may be placed on covers that bracket the Document within the aggregate, or the electronic equivalent of covers if the Document is in electronic form. Otherwise they must appear on printed covers that bracket the whole aggregate.

8. TRANSLATION

Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original versions of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions of those notices and disclaimers. In case of a disagreement between the translation and the original version of this License or a notice or disclaimer, the original version will prevail.

If a section in the Document is Entitled "Acknowledgements", "Dedications", or "History", the requirement (section 4) to Preserve its Title (section 1) will typically require changing the actual title.

9. TERMINATION

You may not copy, modify, sublicense, or distribute the Document except as expressly provided for under this License. Any other attempt to copy, modify, sublicense or distribute the Document is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

10. FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. See http://www.gnu.org/copyleft/.

Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License "or any later version" applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation.

How to use this License for your documents

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

```
Copyright (c)  YEAR  YOUR NAME.
Permission is granted to copy, distribute and/or modify this document
under the terms of the GNU Free Documentation License, Version 1.2
or any later version published by the Free Software Foundation;
with no Invariant Sections, no Front-Cover Texts, and no Back-Cover
Texts.  A copy of the license is included in the section entitled
```

```
"GNU Free Documentation License".
```

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the "with...Texts." line with this:

```
with the Invariant Sections being LIST THEIR TITLES, with the
Front-Cover Texts being LIST, and with the Back-Cover Texts being LIST.
```

If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.

4 Module Index

4.1 Modules

Here is a list of all modules:

C Language Interface 25

Library Initialization and Finalization 25

Version Checking 27

Error Handling 28

Handling 30

Library Datatypes 31

5 Class Index

5.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

ppl_Artificial_Parameter_Sequence_const_iterator_tag (Types and functions for iterating on PIP artificial parameters) 59

ppl_Artificial_Parameter_tag (Types and functions for PIP artificial parameters) 60

ppl_BD_Shape_double_tag (Types and functions for ppl_BD_Shape_double_tag) 61

ppl_BD_Shape_float_tag (Types and functions for ppl_BD_Shape_float_tag) 89

ppl_BD_Shape_int16_t_tag (Types and functions for ppl_BD_Shape_int16_t_tag) 116

ppl_BD_Shape_int32_t_tag (Types and functions for ppl_BD_Shape_int32_t_tag) 144

ppl_BD_Shape_int64_t_tag (Types and functions for ppl_BD_Shape_int64_t_tag) 171

ppl_BD_Shape_int8_t_tag (Types and functions for ppl_BD_Shape_int8_t_tag) 199

ppl_BD_Shape_long_double_tag (Types and functions for ppl_BD_Shape_long_double_tag) 226

ppl_BD_Shape_mpq_class_tag (Types and functions for ppl_BD_Shape_mpq_class_tag) 255

ppl_BD_Shape_mpz_class_tag (Types and functions for ppl_BD_Shape_mpz_class_tag) 283

ppl_Coefficient_tag (Types and functions for coefficients) 311

ppl_Congruence_System_const_iterator_tag (Types and functions for iterating on congruence systems) 313

ppl_Congruence_System_tag (Types and functions for congruence systems) 314

ppl_Congruence_tag (Types and functions for congruences) 315

ppl_Constraint_System_const_iterator_tag (Types and functions for iterating on constraint systems) 317

ppl_Constraint_System_tag (Types and functions for constraint systems) 318

ppl_Constraint_tag (Types and functions for constraints) 320

ppl_Constraints_Product_C_Polyhedron_Grid_tag (Types and functions for ppl_Constraints_Product_C_Polyhedron_Grid_tag) 321

ppl_Constraints_Product_Grid_C_Polyhedron_tag (Types and functions for ppl_Constraints_Product_Grid_C_Polyhedron_tag) 345

ppl_Constraints_Product_Grid_NNC_Polyhedron_tag (Types and functions for ppl_Constraints_Product_Grid_NNC_Polyhedron_tag) 369

ppl_Constraints_Product_NNC_Polyhedron_Grid_tag (Types and functions for ppl_Constraints_Product_NNC_Polyhedron_Grid_tag) 394

ppl_Double_Box_tag (Types and functions for ppl_Double_Box_tag) 418

ppl_Float_Box_tag (Types and functions for ppl_Float_Box_tag) 443

ppl_Generator_System_const_iterator_tag (Types and functions for iterating on generator systems) 468

ppl_Generator_System_tag (Types and functions for generator systems) 469

ppl_Generator_tag (Types and functions for generators) 471

ppl_Grid_Generator_System_const_iterator_tag (Types and functions for iterating on grid generator systems) 472

ppl_Grid_Generator_System_tag (Types and functions for grid generator systems) 473

ppl_Grid_Generator_tag (Types and functions for grid generators) 475

ppl_Grid_tag (Types and functions for ppl_Grid_tag) 477

ppl_Int16_Box_tag (Types and functions for ppl_Int16_Box_tag) 502

ppl_Int32_Box_tag (Types and functions for ppl_Int32_Box_tag) 526

ppl_Int64_Box_tag (Types and functions for ppl_Int64_Box_tag) 551

ppl_Int8_Box_tag (Types and functions for ppl_Int8_Box_tag) 575

ppl_Linear_Expression_tag (Types and functions for linear expressions) 600

ppl_Long_Double_Box_tag (Types and functions for ppl_Long_Double_Box_tag) 602

ppl_MIP_Problem_tag (Types and functions for MIP problems) 629

ppl_Octagonal_Shape_double_tag (Types and functions for ppl_Octagonal_Shape_double_tag) 633

ppl_Octagonal_Shape_float_tag (Types and functions for ppl_Octagonal_Shape_float_tag) 662

ppl_Octagonal_Shape_int16_t_tag (Types and functions for ppl_Octagonal_Shape_int16_t_tag) 689

ppl_Octagonal_Shape_int32_t_tag (Types and functions for ppl_Octagonal_Shape_int32_t_tag) 717

ppl_Octagonal_Shape_int64_t_tag (Types and functions for ppl_Octagonal_Shape_int64_t_tag) 746

ppl_Octagonal_Shape_int8_t_tag (Types and functions for ppl_Octagonal_Shape_int8_t_tag) 774

ppl_Octagonal_Shape_long_double_tag (Types and functions for ppl_Octagonal_Shape_long_double_tag) 802

ppl_Octagonal_Shape_mpq_class_tag (Types and functions for ppl_Octagonal_Shape_mpq_class_tag) 831

ppl_Octagonal_Shape_mpz_class_tag (Types and functions for ppl_Octagonal_Shape_mpz_class_tag) 860

ppl_PIP_Decision_Node_tag (Types and functions for PIP decision nodes) 889

ppl_PIP_Problem_tag (Types and functions for PIP problems) 890

ppl_PIP_Solution_Node_tag (Types and functions for PIP solution nodes) 894

ppl_PIP_Tree_Node_tag (Types and functions for generic PIP tree nodes) 895

ppl_Pointset_Powerset_BD_Shape_double_const_iterator_tag (Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_BD_Shape_double_tag) 896

ppl_Pointset_Powerset_BD_Shape_double_iterator_tag (Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_BD_Shape_double_tag) 898

ppl_Pointset_Powerset_BD_Shape_double_tag (Types and functions for ppl_Pointset_Powerset_BD_Shape_double_tag) 900

ppl_Pointset_Powerset_BD_Shape_float_const_iterator_tag (Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_BD_Shape_float_tag) 915

ppl_Pointset_Powerset_BD_Shape_float_iterator_tag (Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_BD_Shape_float_tag) 917

ppl_Pointset_Powerset_BD_Shape_float_tag (Types and functions for ppl_Pointset_Powerset_BD_Shape_float_tag) 919

ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_tag (Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_BD_Shape_int16_t_tag) 933

ppl_Pointset_Powerset_BD_Shape_int16_t_iterator_tag (Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_BD_Shape_int16_t_tag) 935

ppl_Pointset_Powerset_BD_Shape_int16_t_tag (Types and functions for ppl_Pointset_Powerset_BD_Shape_int16_t_tag) 937

ppl_Pointset_Powerset_BD_Shape_int32_t_const_iterator_tag (Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_BD_Shape_int32_t_tag) 952

ppl_Pointset_Powerset_BD_Shape_int32_t_iterator_tag (Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_BD_Shape_int32_t_tag) 954

ppl_Pointset_Powerset_BD_Shape_int32_t_tag (Types and functions for ppl_Pointset_Powerset_BD_Shape_int32_t_tag) 956

ppl_Pointset_Powerset_BD_Shape_int64_t_const_iterator_tag (Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_BD_Shape_int64_t_tag) 970

ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_tag (Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_BD_Shape_int64_t_tag) 972

ppl_Pointset_Powerset_BD_Shape_int64_t_tag (Types and functions for ppl_Pointset_Powerset_BD_Shape_int64_t_tag) 974

ppl_Pointset_Powerset_BD_Shape_int8_t_const_iterator_tag (Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_BD_Shape_int8_t_tag) 989

ppl_Pointset_Powerset_BD_Shape_int8_t_iterator_tag (Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_BD_Shape_int8_t_tag) 991

ppl_Pointset_Powerset_BD_Shape_int8_t_tag (Types and functions for ppl_Pointset_Powerset_BD_Shape_int8_t_tag) 993

ppl_Pointset_Powerset_BD_Shape_long_double_const_iterator_tag (Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_BD_Shape_long_double_tag) 1007

ppl_Pointset_Powerset_BD_Shape_long_double_iterator_tag (Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_BD_Shape_long_double_tag) 1009

ppl_Pointset_Powerset_BD_Shape_long_double_tag (Types and functions for ppl_Pointset_Powerset_BD_Shape_long_double_tag) 1011

ppl_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_tag (Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_BD_Shape_mpq_class_tag) 1026

ppl_Pointset_Powerset_BD_Shape_mpq_class_iterator_tag (Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_BD_Shape_mpq_class_tag) 1028

ppl_Pointset_Powerset_BD_Shape_mpq_class_tag (Types and functions for ppl_Pointset_Powerset_BD_Shape_mpq_class_tag) 1030

ppl_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_tag (Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_BD_Shape_mpz_class_tag) 1045

ppl_Pointset_Powerset_BD_Shape_mpz_class_iterator_tag (Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_BD_Shape_mpz_class_tag) 1047

ppl_Pointset_Powerset_BD_Shape_mpz_class_tag (Types and functions for ppl_Pointset_Powerset_BD_Shape_mpz_class_tag) 1049

ppl_Pointset_Powerset_C_Polyhedron_const_iterator_tag (Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_C_Polyhedron_tag) 1064

ppl_Pointset_Powerset_C_Polyhedron_iterator_tag (Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_C_Polyhedron_tag) 1066

ppl_Pointset_Powerset_C_Polyhedron_tag (Types and functions for the Pointset_Powerset of C_Polyhedron objects) 1069

ppl_Pointset_Powerset_Double_Box_const_iterator_tag (Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Double_Box_tag) 1084

ppl_Pointset_Powerset_Double_Box_iterator_tag (Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Double_Box_tag) 1086

ppl_Pointset_Powerset_Double_Box_tag (Types and functions for ppl_Pointset_Powerset_Double_Box_tag) 1088

ppl_Pointset_Powerset_Float_Box_const_iterator_tag (Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Float_Box_tag) 1102

ppl_Pointset_Powerset_Float_Box_iterator_tag (Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Float_Box_tag) 1104

ppl_Pointset_Powerset_Float_Box_tag (Types and functions for ppl_Pointset_Powerset_Float_Box_tag) 1106

ppl_Pointset_Powerset_Grid_const_iterator_tag (Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Grid_tag) 1119

ppl_Pointset_Powerset_Grid_iterator_tag (Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Grid_tag) 1121

ppl_Pointset_Powerset_Grid_tag (Types and functions for ppl_Pointset_Powerset_Grid_tag) 1122

ppl_Pointset_Powerset_Int16_Box_const_iterator_tag (Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Int16_Box_tag) 1136

ppl_Pointset_Powerset_Int16_Box_iterator_tag (Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Int16_Box_tag) 1138

ppl_Pointset_Powerset_Int16_Box_tag (Types and functions for ppl_Pointset_Powerset_-Int16_Box_tag) 1140

ppl_Pointset_Powerset_Int32_Box_const_iterator_tag (Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Int32_Box_tag) 1153

ppl_Pointset_Powerset_Int32_Box_iterator_tag (Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Int32_Box_tag) 1155

ppl_Pointset_Powerset_Int32_Box_tag (Types and functions for ppl_Pointset_Powerset_-Int32_Box_tag) 1157

ppl_Pointset_Powerset_Int64_Box_const_iterator_tag (Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Int64_Box_tag) 1170

ppl_Pointset_Powerset_Int64_Box_iterator_tag (Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Int64_Box_tag) 1172

ppl_Pointset_Powerset_Int64_Box_tag (Types and functions for ppl_Pointset_Powerset_-Int64_Box_tag) 1174

ppl_Pointset_Powerset_Int8_Box_const_iterator_tag (Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Int8_Box_tag) 1187

ppl_Pointset_Powerset_Int8_Box_iterator_tag (Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Int8_Box_tag) 1189

ppl_Pointset_Powerset_Int8_Box_tag (Types and functions for ppl_Pointset_Powerset_Int8_-Box_tag) 1191

ppl_Pointset_Powerset_Long_Double_Box_const_iterator_tag (Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Long_Double_Box_tag) 1204

ppl_Pointset_Powerset_Long_Double_Box_iterator_tag (Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Long_Double_Box_tag) 1206

ppl_Pointset_Powerset_Long_Double_Box_tag (Types and functions for ppl_Pointset_-Powerset_Long_Double_Box_tag) 1208

ppl_Pointset_Powerset_NNC_Polyhedron_const_iterator_tag (Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_NNC_Polyhedron_tag) 1222

ppl_Pointset_Powerset_NNC_Polyhedron_iterator_tag (Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_NNC_Polyhedron_tag) 1224

ppl_Pointset_Powerset_NNC_Polyhedron_tag (Types and functions for ppl_Pointset_-Powerset_NNC_Polyhedron_tag) 1226

ppl_Pointset_Powerset_Octagonal_Shape_double_const_iterator_tag (Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Octagonal_Shape_-double_tag) 1240

ppl_Pointset_Powerset_Octagonal_Shape_double_iterator_tag (Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Octagonal_Shape_double_tag) 1242

ppl_Pointset_Powerset_Octagonal_Shape_double_tag (Types and functions for ppl_-Pointset_Powerset_Octagonal_Shape_double_tag) 1244

ppl_Pointset_Powerset_Octagonal_Shape_float_const_iterator_tag (Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Octagonal_Shape_float_tag) 1259

ppl_Pointset_Powerset_Octagonal_Shape_float_iterator_tag (Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Octagonal_Shape_float_tag) 1261

ppl_Pointset_Powerset_Octagonal_Shape_float_tag (Types and functions for ppl_Pointset_Powerset_Octagonal_Shape_float_tag) 1262

ppl_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_tag (Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Octagonal_Shape_int16_t_tag) 1277

ppl_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_tag (Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Octagonal_Shape_int16_t_tag) 1279

ppl_Pointset_Powerset_Octagonal_Shape_int16_t_tag (Types and functions for ppl_Pointset_Powerset_Octagonal_Shape_int16_t_tag) 1281

ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_tag (Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag) 1296

ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_tag (Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag) 1298

ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag (Types and functions for ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag) 1300

ppl_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_tag (Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag) 1314

ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_tag (Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag) 1316

ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag (Types and functions for ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag) 1318

ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_tag (Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag) 1333

ppl_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_tag (Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag) 1335

ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag (Types and functions for ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag) 1337

ppl_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_tag (Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Octagonal_Shape_long_double_tag) 1352

ppl_Pointset_Powerset_Octagonal_Shape_long_double_iterator_tag (Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Octagonal_Shape_long_double_tag) 1354

ppl_Pointset_Powerset_Octagonal_Shape_long_double_tag (Types and functions for ppl_-Pointset_Powerset_Octagonal_Shape_long_double_tag) 1356

ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator_tag (Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_tag) 1371

ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_tag (Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_tag) 1373

ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_tag (Types and functions for ppl_-Pointset_Powerset_Octagonal_Shape_mpq_class_tag) 1375

ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_tag (Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag) 1390

ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_tag (Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_tag)1392

ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_tag (Types and functions for ppl_-Pointset_Powerset_Octagonal_Shape_mpz_class_tag) 1394

ppl_Pointset_Powerset_Rational_Box_const_iterator_tag (Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Rational_Box_tag) 1409

ppl_Pointset_Powerset_Rational_Box_iterator_tag (Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Rational_Box_tag) 1411

ppl_Pointset_Powerset_Rational_Box_tag (Types and functions for ppl_Pointset_Powerset_-Rational_Box_tag) 1413

ppl_Pointset_Powerset_Uint16_Box_const_iterator_tag (Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Uint16_Box_tag) 1426

ppl_Pointset_Powerset_Uint16_Box_iterator_tag (Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Uint16_Box_tag) 1428

ppl_Pointset_Powerset_Uint16_Box_tag (Types and functions for ppl_Pointset_Powerset_-Uint16_Box_tag) 1430

ppl_Pointset_Powerset_Uint32_Box_const_iterator_tag (Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Uint32_Box_tag) 1444

ppl_Pointset_Powerset_Uint32_Box_iterator_tag (Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Uint32_Box_tag) 1446

ppl_Pointset_Powerset_Uint32_Box_tag (Types and functions for ppl_Pointset_Powerset_-Uint32_Box_tag) 1448

ppl_Pointset_Powerset_Uint64_Box_const_iterator_tag (Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Uint64_Box_tag) 1461

ppl_Pointset_Powerset_Uint64_Box_iterator_tag (Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Uint64_Box_tag) 1463

ppl_Pointset_Powerset_Uint64_Box_tag (Types and functions for ppl_Pointset_Powerset_-Uint64_Box_tag) 1465

ppl_Pointset_Powerset_Uint8_Box_const_iterator_tag (Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Uint8_Box_tag) 1478

ppl_Pointset_Powerset_Uint8_Box_iterator_tag (Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Uint8_Box_tag) 1480

ppl_Pointset_Powerset_Uint8_Box_tag (Types and functions for ppl_Pointset_Powerset_-Uint8_Box_tag) 1482

ppl_Pointset_Powerset_Z_Box_const_iterator_tag (Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Z_Box_tag) 1496

ppl_Pointset_Powerset_Z_Box_iterator_tag (Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Z_Box_tag) 1498

ppl_Pointset_Powerset_Z_Box_tag (Types and functions for ppl_Pointset_Powerset_Z_Box_-tag) 1500

ppl_Polyhedron_tag (Types and functions for the domains of C and NNC convex polyhedra) 1513

ppl_Rational_Box_tag (Types and functions for ppl_Rational_Box_tag) 1567

ppl_Uint16_Box_tag (Types and functions for ppl_Uint16_Box_tag) 1593

ppl_Uint32_Box_tag (Types and functions for ppl_Uint32_Box_tag) 1618

ppl_Uint64_Box_tag (Types and functions for ppl_Uint64_Box_tag) 1643

ppl_Uint8_Box_tag (Types and functions for ppl_Uint8_Box_tag) 1668

ppl_Z_Box_tag (Types and functions for ppl_Z_Box_tag) 1693

6 Module Documentation

6.1 C Language Interface

The Parma Polyhedra Library comes equipped with an interface for the C language.

6.2 Library Initialization and Finalization

Functions

- int ppl_initialize (void)

  Initializes the Parma Polyhedra Library. This function must be called before any other function.

- int ppl_finalize (void)

  Finalizes the Parma Polyhedra Library. This function must be called after any other function.

- int ppl_set_rounding_for_PPL (void)

  Sets the FPU rounding mode so that the PPL abstractions based on floating point numbers work correctly.

- int ppl_restore_pre_PPL_rounding (void)

  Sets the FPU rounding mode as it was before initialization of the PPL.

- int ppl_irrational_precision (unsigned *p)

  Writes to `p` *the precision parameter used for irrational calculations.*

- int ppl_set_irrational_precision (unsigned p)

  Sets the precision parameter used for irrational calculations.

6.2.1 Detailed Description

Functions for initialization/finalization of the library, as well as setting/resetting of floating-point rounding mode.

6.2.2 Function Documentation

6.2.2.1 int ppl_initialize (void)

Initializes the Parma Polyhedra Library. This function must be called before any other function.

Returns

`PPL_ERROR_INVALID_ARGUMENT` if the library was already initialized.

6.2.2.2 int ppl_finalize (void)

Finalizes the Parma Polyhedra Library. This function must be called after any other function.

Returns

`PPL_ERROR_INVALID_ARGUMENT` if the library was already finalized.

6.2.2.3 int ppl_set_rounding_for_PPL (void)

Sets the FPU rounding mode so that the PPL abstractions based on floating point numbers work correctly.

This is performed automatically at initialization-time. Calling this function is needed only if restore_pre_-PPL_rounding() has been previously called.

6.2.2.4 int ppl_restore_pre_PPL_rounding (void)

Sets the FPU rounding mode as it was before initialization of the PPL.

After calling this function it is absolutely necessary to call set_rounding_for_PPL() before using any PPL abstractions based on floating point numbers. This is performed automatically at finalization-time.

6.2.2.5 int ppl_set_irrational_precision (unsigned *p*)

Sets the precision parameter used for irrational calculations.

If `p` is less than or equal to `INT_MAX`, sets the precision parameter used for irrational calculations to `p`. Then, in the irrational calculations returning an unbounded rational, (e.g., when computing a square root), the lesser between numerator and denominator will be limited to `2**p`.

6.3 Version Checking

Defines

- #define PPL_VERSION "0.11.2"

  A string containing the PPL version.

- #define PPL_VERSION_MAJOR 0

  The major number of the PPL version.

- #define PPL_VERSION_MINOR 11

  The minor number of the PPL version.

- #define PPL_VERSION_REVISION 2

  The revision number of the PPL version.

- #define PPL_VERSION_BETA 0

  The beta number of the PPL version. This is zero for official releases and nonzero for development snapshots.

Functions

- int ppl_version_major (void)

  Returns the major number of the PPL version.

- int ppl_version_minor (void)

  Returns the minor number of the PPL version.

- int ppl_version_revision (void)

  Returns the revision number of the PPL version.

- int ppl_version_beta (void)

Returns the beta number of the PPL version.

- int ppl_version (const char **p)

  *Writes to *p a pointer to a character string containing the PPL version.*

- int ppl_banner (const char **p)

  *Writes to *p a pointer to a character string containing the PPL banner.*

6.3.1 Detailed Description

Symbolic constants and functions related to library version checking.

6.3.2 Define Documentation

6.3.2.1 #define PPL_VERSION "0.11.2"

A string containing the PPL version.

Let `M` and `m` denote the numbers associated to PPL_VERSION_MAJOR and PPL_VERSION_MINOR, respectively. The format of PPL_VERSION is `M "." m` if both PPL_VERSION_REVISION (`r`) and PPL_VERSION_BETA (`b`)are zero, `M "." m "pre" b` if PPL_VERSION_REVISION is zero and PPL_VERSION_BETA is not zero, `M "." m "." r` if PPL_VERSION_REVISION is not zero and PPL_VERSION_BETA is zero, `M "." m "." r "pre" b` if neither PPL_VERSION_REVISION nor PPL_VERSION_BETA are zero.

6.3.3 Function Documentation

6.3.3.1 int ppl_banner (const char ** *p*)

Writes to *p a pointer to a character string containing the PPL banner.

The banner provides information about the PPL version, the licensing, the lack of any warranty whatsoever, the C++ compiler used to build the library, where to report bugs and where to look for further information.

6.4 Error Handling

Enumerations

- enum ppl_enum_error_code {

  PPL_ERROR_OUT_OF_MEMORY, PPL_ERROR_INVALID_ARGUMENT, PPL_ERROR_-DOMAIN_ERROR, PPL_ERROR_LENGTH_ERROR,

  PPL_ARITHMETIC_OVERFLOW, PPL_STDIO_ERROR, PPL_ERROR_INTERNAL_ERROR, PPL_ERROR_UNKNOWN_STANDARD_EXCEPTION,

  PPL_ERROR_UNEXPECTED_ERROR, PPL_TIMEOUT_EXCEPTION, PPL_ERROR_LOGIC_-ERROR }

Defines the error codes that any function may return.

Functions

- int ppl_set_error_handler (void(∗h)(enum ppl_enum_error_code code, const char ∗description))

  Installs the user-defined error handler pointed at by `h`.

6.4.1 Detailed Description

Symbolic constants and functions related to error reporting/handling.

6.4.2 Enumeration Type Documentation

6.4.2.1 enum ppl_enum_error_code

Defines the error codes that any function may return.

Enumerator:

PPL_ERROR_OUT_OF_MEMORY The virtual memory available to the process has been exhausted.

PPL_ERROR_INVALID_ARGUMENT A function has been invoked with an invalid argument.

PPL_ERROR_DOMAIN_ERROR A function has been invoked outside its domain of definition.

PPL_ERROR_LENGTH_ERROR The construction of an object that would exceed its maximum permitted size was attempted.

PPL_ARITHMETIC_OVERFLOW An arithmetic overflow occurred and the computation was consequently interrupted. This can *only* happen in library's incarnations using bounded integers as coefficients.

PPL_STDIO_ERROR An error occurred during a C input/output operation. A more precise indication of what went wrong is available via `errno`.

PPL_ERROR_INTERNAL_ERROR An internal error that was diagnosed by the PPL itself. This indicates a bug in the PPL.

PPL_ERROR_UNKNOWN_STANDARD_EXCEPTION A standard exception has been raised by the C++ run-time environment. This indicates a bug in the PPL.

PPL_ERROR_UNEXPECTED_ERROR A totally unknown, totally unexpected error happened. This indicates a bug in the PPL.

PPL_TIMEOUT_EXCEPTION An exception has been raised by the PPL as a timeout previously set by the user has expired.

PPL_ERROR_LOGIC_ERROR The client program attempted to use the PPL in a way that violates its internal logic. This happens, for instance, when the client attempts to use the timeout facilities on a system that does not support them.

6.4.3 Function Documentation

6.4.3.1 int ppl_set_error_handler (void(∗)(enum ppl_enum_error_code code, const char ∗description) *h*)

Installs the user-defined error handler pointed at by `h`.

The error handler takes an error code and a textual description that gives further information about the actual error. The C string containing the textual description is read-only and its existence is not guaranteed after the handler has returned.

6.5 Handling

Functions

- int ppl_set_timeout (unsigned time)

  Sets the timeout for computations whose completion could require an exponential amount of time.

- int ppl_reset_timeout (void)

  Resets the timeout time so that the computation is not interrupted.

- int ppl_set_deterministic_timeout (unsigned weight)

  Sets a threshold for computations whose completion could require an exponential amount of time.

- int ppl_reset_deterministic_timeout (void)

  Resets the deterministic timeout so that the computation is not interrupted.

6.5.1 Detailed Description

Functions for setting and resetting timeouts.

6.5.2 Function Documentation

6.5.2.1 int ppl_set_timeout (unsigned *time*)

Sets the timeout for computations whose completion could require an exponential amount of time.

Parameters

time The number of hundreths of seconds. It must be strictly greater than zero.

Computations taking exponential time will be interrupted some time after `time` hundreths of seconds have elapsed since the call to the timeout setting function. If the computation is interrupted that way, the interrupted function will return error code `PPL_TIMEOUT_EXCEPTION`. Otherwise, if the computation completes without being interrupted, then the timeout should be reset by calling `ppl_reset_timeout()`.

6.5.2.2 int ppl_set_deterministic_timeout (unsigned *weight*)

Sets a threshold for computations whose completion could require an exponential amount of time.

Parameters

weight The maximum computational weight allowed. It must be strictly greater than zero.

Computations taking exponential time will be interrupted some time after reaching the `weight` complexity threshold. If the computation is interrupted that way, the interrupted function will return error code `PPL_TIMEOUT_EXCEPTION`. Otherwise, if the computation completes without being interrupted, then the deterministic timeout should be reset by calling `ppl_reset_deterministic_timeout()`.

Note

This "timeout" checking functionality is said to be *deterministic* because it is not based on actual elapsed time. Its behavior will only depend on (some of the) computations performed in the PPL library and it will be otherwise independent from the computation environment (CPU, operating system, compiler, etc.).

Warning

The weight mechanism is under alpha testing. In particular, there is still no clear relation between the weight threshold and the actual computational complexity. As a consequence, client applications should be ready to reconsider the tuning of these weight thresholds when upgrading to newer version of the PPL.

6.6 Library Datatypes

Typedefs for the library datatypes and related symbolic constants.

Typedefs

- typedef size_t ppl_dimension_type

  An unsigned integral type for representing space dimensions.

- typedef const char * ppl_io_variable_output_function_type (ppl_dimension_type var)

  The type of output functions used for printing variables.

- typedef struct ppl_Coefficient_tag * ppl_Coefficient_t

  Opaque pointer.

- typedef struct ppl_Coefficient_tag const * ppl_const_Coefficient_t

  Opaque pointer to const object.

- typedef struct ppl_Linear_Expression_tag * ppl_Linear_Expression_t

  Opaque pointer.

- typedef struct ppl_Linear_Expression_tag const * ppl_const_Linear_Expression_t

  Opaque pointer to const object.

- typedef struct ppl_Constraint_tag * ppl_Constraint_t

  Opaque pointer.

- typedef struct ppl_Constraint_tag const * ppl_const_Constraint_t

  Opaque pointer to const object.

- typedef struct ppl_Constraint_System_tag * ppl_Constraint_System_t

  Opaque pointer.

- typedef struct ppl_Constraint_System_tag const * ppl_const_Constraint_System_t

  Opaque pointer to const object.

- typedef struct ppl_Constraint_System_const_iterator_tag * ppl_Constraint_System_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Constraint_System_const_iterator_tag const * ppl_const_Constraint_System_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Generator_tag * ppl_Generator_t

  Opaque pointer.

- typedef struct ppl_Generator_tag const * ppl_const_Generator_t

  Opaque pointer to const object.

- typedef struct ppl_Generator_System_tag * ppl_Generator_System_t

  Opaque pointer.

- typedef struct ppl_Generator_System_tag const * ppl_const_Generator_System_t

  Opaque pointer to const object.

- typedef struct ppl_Generator_System_const_iterator_tag * ppl_Generator_System_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Generator_System_const_iterator_tag const * ppl_const_Generator_System_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Congruence_tag * ppl_Congruence_t

  Opaque pointer.

- typedef struct ppl_Congruence_tag const * ppl_const_Congruence_t

  Opaque pointer to const object.

- typedef struct ppl_Congruence_System_tag * ppl_Congruence_System_t

  Opaque pointer.

- typedef struct ppl_Congruence_System_tag const * ppl_const_Congruence_System_t

Opaque pointer to const object.

- typedef struct ppl_Congruence_System_const_iterator_tag * ppl_Congruence_System_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Congruence_System_const_iterator_tag const * ppl_const_Congruence_System_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Grid_Generator_tag * ppl_Grid_Generator_t

  Opaque pointer.

- typedef struct ppl_Grid_Generator_tag const * ppl_const_Grid_Generator_t

  Opaque pointer to const object.

- typedef struct ppl_Grid_Generator_System_tag * ppl_Grid_Generator_System_t

  Opaque pointer.

- typedef struct ppl_Grid_Generator_System_tag const * ppl_const_Grid_Generator_System_t

  Opaque pointer to const object.

- typedef struct ppl_Grid_Generator_System_const_iterator_tag * ppl_Grid_Generator_System_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Grid_Generator_System_const_iterator_tag const * ppl_const_Grid_Generator_System_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_MIP_Problem_tag * ppl_MIP_Problem_t

  Opaque pointer.

- typedef struct ppl_MIP_Problem_tag const * ppl_const_MIP_Problem_t

  Opaque pointer to const object.

- typedef struct ppl_PIP_Problem_tag * ppl_PIP_Problem_t

  Opaque pointer.

- typedef struct ppl_PIP_Problem_tag const * ppl_const_PIP_Problem_t

  Opaque pointer to const object.

- typedef struct ppl_PIP_Tree_Node_tag * ppl_PIP_Tree_Node_t

  Opaque pointer.

- typedef struct ppl_PIP_Tree_Node_tag const * ppl_const_PIP_Tree_Node_t

  Opaque pointer to const object.

- typedef struct ppl_PIP_Decision_Node_tag * ppl_PIP_Decision_Node_t

  Opaque pointer.

- typedef struct ppl_PIP_Decision_Node_tag const * ppl_const_PIP_Decision_Node_t

  Opaque pointer to const object.

- typedef struct ppl_PIP_Solution_Node_tag * ppl_PIP_Solution_Node_t

  Opaque pointer.

- typedef struct ppl_PIP_Solution_Node_tag const * ppl_const_PIP_Solution_Node_t

  Opaque pointer to const object.

- typedef struct ppl_Artificial_Parameter_tag * ppl_Artificial_Parameter_t

  Opaque pointer.

- typedef struct ppl_Artificial_Parameter_tag const * ppl_const_Artificial_Parameter_t

  Opaque pointer to const object.

- typedef struct ppl_Artificial_Parameter_Sequence_tag * ppl_Artificial_Parameter_Sequence_t

  Opaque pointer.

- typedef struct ppl_Artificial_Parameter_Sequence_tag const * ppl_const_Artificial_Parameter_-Sequence_t

  Opaque pointer to const object.

- typedef struct ppl_Artificial_Parameter_Sequence_const_iterator_tag * ppl_Artificial_Parameter_-Sequence_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Artificial_Parameter_Sequence_const_iterator_tag const * ppl_const_Artificial_-Parameter_Sequence_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Int8_Box_tag * ppl_Int8_Box_t

  Opaque pointer.

- typedef struct ppl_Int8_Box_tag const * ppl_const_Int8_Box_t

  Opaque pointer to const object.

- typedef struct ppl_Int16_Box_tag * ppl_Int16_Box_t

  Opaque pointer.

- typedef struct ppl_Int16_Box_tag const * ppl_const_Int16_Box_t

  Opaque pointer to const object.

- typedef struct ppl_Int32_Box_tag * ppl_Int32_Box_t

  Opaque pointer.

- typedef struct ppl_Int32_Box_tag const * ppl_const_Int32_Box_t

  Opaque pointer to const object.

- typedef struct ppl_Int64_Box_tag * ppl_Int64_Box_t

Opaque pointer.

- typedef struct ppl_Int64_Box_tag const * ppl_const_Int64_Box_t

  Opaque pointer to const object.

- typedef struct ppl_Uint8_Box_tag * ppl_Uint8_Box_t

  Opaque pointer.

- typedef struct ppl_Uint8_Box_tag const * ppl_const_Uint8_Box_t

  Opaque pointer to const object.

- typedef struct ppl_Uint16_Box_tag * ppl_Uint16_Box_t

  Opaque pointer.

- typedef struct ppl_Uint16_Box_tag const * ppl_const_Uint16_Box_t

  Opaque pointer to const object.

- typedef struct ppl_Uint32_Box_tag * ppl_Uint32_Box_t

  Opaque pointer.

- typedef struct ppl_Uint32_Box_tag const * ppl_const_Uint32_Box_t

  Opaque pointer to const object.

- typedef struct ppl_Uint64_Box_tag * ppl_Uint64_Box_t

  Opaque pointer.

- typedef struct ppl_Uint64_Box_tag const * ppl_const_Uint64_Box_t

  Opaque pointer to const object.

- typedef struct ppl_Z_Box_tag * ppl_Z_Box_t

  Opaque pointer.

- typedef struct ppl_Z_Box_tag const * ppl_const_Z_Box_t

  Opaque pointer to const object.

- typedef struct ppl_Rational_Box_tag * ppl_Rational_Box_t

  Opaque pointer.

- typedef struct ppl_Rational_Box_tag const * ppl_const_Rational_Box_t

  Opaque pointer to const object.

- typedef struct ppl_BD_Shape_int8_t_tag * ppl_BD_Shape_int8_t_t

  Opaque pointer.

- typedef struct ppl_BD_Shape_int8_t_tag const * ppl_const_BD_Shape_int8_t_t

  Opaque pointer to const object.

- typedef struct ppl_BD_Shape_int16_t_tag * ppl_BD_Shape_int16_t_t

  Opaque pointer.

- typedef struct ppl_BD_Shape_int16_t_tag const * ppl_const_BD_Shape_int16_t_t
  Opaque pointer to const object.
- typedef struct ppl_BD_Shape_int32_t_tag * ppl_BD_Shape_int32_t_t
  Opaque pointer.
- typedef struct ppl_BD_Shape_int32_t_tag const * ppl_const_BD_Shape_int32_t_t
  Opaque pointer to const object.
- typedef struct ppl_BD_Shape_int64_t_tag * ppl_BD_Shape_int64_t_t
  Opaque pointer.
- typedef struct ppl_BD_Shape_int64_t_tag const * ppl_const_BD_Shape_int64_t_t
  Opaque pointer to const object.
- typedef struct ppl_BD_Shape_mpz_class_tag * ppl_BD_Shape_mpz_class_t
  Opaque pointer.
- typedef struct ppl_BD_Shape_mpz_class_tag const * ppl_const_BD_Shape_mpz_class_t
  Opaque pointer to const object.
- typedef struct ppl_BD_Shape_mpq_class_tag * ppl_BD_Shape_mpq_class_t
  Opaque pointer.
- typedef struct ppl_BD_Shape_mpq_class_tag const * ppl_const_BD_Shape_mpq_class_t
  Opaque pointer to const object.
- typedef struct ppl_Octagonal_Shape_int8_t_tag * ppl_Octagonal_Shape_int8_t_t
  Opaque pointer.
- typedef struct ppl_Octagonal_Shape_int8_t_tag const * ppl_const_Octagonal_Shape_int8_t_t
  Opaque pointer to const object.
- typedef struct ppl_Octagonal_Shape_int16_t_tag * ppl_Octagonal_Shape_int16_t_t
  Opaque pointer.
- typedef struct ppl_Octagonal_Shape_int16_t_tag const * ppl_const_Octagonal_Shape_int16_t_t
  Opaque pointer to const object.
- typedef struct ppl_Octagonal_Shape_int32_t_tag * ppl_Octagonal_Shape_int32_t_t
  Opaque pointer.
- typedef struct ppl_Octagonal_Shape_int32_t_tag const * ppl_const_Octagonal_Shape_int32_t_t
  Opaque pointer to const object.
- typedef struct ppl_Octagonal_Shape_int64_t_tag * ppl_Octagonal_Shape_int64_t_t
  Opaque pointer.
- typedef struct ppl_Octagonal_Shape_int64_t_tag const * ppl_const_Octagonal_Shape_int64_t_t
  Opaque pointer to const object.

- typedef struct ppl_Octagonal_Shape_mpz_class_tag * ppl_Octagonal_Shape_mpz_class_t

  Opaque pointer.

- typedef struct ppl_Octagonal_Shape_mpz_class_tag const * ppl_const_Octagonal_Shape_mpz_class_t

  Opaque pointer to const object.

- typedef struct ppl_Octagonal_Shape_mpq_class_tag * ppl_Octagonal_Shape_mpq_class_t

  Opaque pointer.

- typedef struct ppl_Octagonal_Shape_mpq_class_tag const * ppl_const_Octagonal_Shape_mpq_class_t

  Opaque pointer to const object.

- typedef struct ppl_Polyhedron_tag * ppl_Polyhedron_t

  Opaque pointer.

- typedef struct ppl_Polyhedron_tag const * ppl_const_Polyhedron_t

  Opaque pointer to const object.

- typedef struct ppl_Grid_tag * ppl_Grid_t

  Opaque pointer.

- typedef struct ppl_Grid_tag const * ppl_const_Grid_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Int8_Box_tag * ppl_Pointset_Powerset_Int8_Box_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Int8_Box_tag const * ppl_const_Pointset_Powerset_Int8_Box_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Int16_Box_tag * ppl_Pointset_Powerset_Int16_Box_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Int16_Box_tag const * ppl_const_Pointset_Powerset_Int16_Box_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Int32_Box_tag * ppl_Pointset_Powerset_Int32_Box_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Int32_Box_tag const * ppl_const_Pointset_Powerset_Int32_Box_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Int64_Box_tag * ppl_Pointset_Powerset_Int64_Box_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Int64_Box_tag const * ppl_const_Pointset_Powerset_Int64_Box_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Uint8_Box_tag * ppl_Pointset_Powerset_Uint8_Box_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Uint8_Box_tag const * ppl_const_Pointset_Powerset_Uint8_Box_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Uint16_Box_tag * ppl_Pointset_Powerset_Uint16_Box_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Uint16_Box_tag const * ppl_const_Pointset_Powerset_Uint16_Box_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Uint32_Box_tag * ppl_Pointset_Powerset_Uint32_Box_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Uint32_Box_tag const * ppl_const_Pointset_Powerset_Uint32_Box_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Uint64_Box_tag * ppl_Pointset_Powerset_Uint64_Box_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Uint64_Box_tag const * ppl_const_Pointset_Powerset_Uint64_Box_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Rational_Box_tag * ppl_Pointset_Powerset_Rational_Box_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Rational_Box_tag const * ppl_const_Pointset_Powerset_Rational_Box_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Z_Box_tag * ppl_Pointset_Powerset_Z_Box_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Z_Box_tag const * ppl_const_Pointset_Powerset_Z_Box_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_BD_Shape_int8_t_tag * ppl_Pointset_Powerset_BD_Shape_int8_t_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_BD_Shape_int8_t_tag const * ppl_const_Pointset_Powerset_BD_Shape_int8_t_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_BD_Shape_int16_t_tag * ppl_Pointset_Powerset_BD_Shape_int16_t_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_BD_Shape_int16_t_tag const * ppl_const_Pointset_Powerset_BD_Shape_int16_t_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_BD_Shape_int32_t_tag * ppl_Pointset_Powerset_BD_Shape_int32_t_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_BD_Shape_int32_t_tag const * ppl_const_Pointset_Powerset_BD_Shape_int32_t_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_BD_Shape_int64_t_tag * ppl_Pointset_Powerset_BD_Shape_int64_t_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_BD_Shape_int64_t_tag const * ppl_const_Pointset_Powerset_BD_Shape_int64_t_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_BD_Shape_mpq_class_tag * ppl_Pointset_Powerset_BD_Shape_mpq_class_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_BD_Shape_mpq_class_tag const * ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_BD_Shape_mpz_class_tag * ppl_Pointset_Powerset_BD_Shape_mpz_class_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_BD_Shape_mpz_class_tag const * ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag * ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag const * ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_int16_t_tag * ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_int16_t_tag const * ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag * ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag const * ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag * ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag const * ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_tag * ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_tag const * ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_tag * ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_tag const * ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_C_Polyhedron_tag * ppl_Pointset_Powerset_C_Polyhedron_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_C_Polyhedron_tag const * ppl_const_Pointset_Powerset_C_Polyhedron_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_NNC_Polyhedron_tag * ppl_Pointset_Powerset_NNC_Polyhedron_t

Opaque pointer.

- typedef struct ppl_Pointset_Powerset_NNC_Polyhedron_tag const * ppl_const_Pointset_Powerset_NNC_Polyhedron_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Grid_tag * ppl_Pointset_Powerset_Grid_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Grid_tag const * ppl_const_Pointset_Powerset_Grid_t

  Opaque pointer to const object.

- typedef struct ppl_Constraints_Product_C_Polyhedron_Grid_tag * ppl_Constraints_Product_C_Polyhedron_Grid_t

  Opaque pointer.

- typedef struct ppl_Constraints_Product_C_Polyhedron_Grid_tag const * ppl_const_Constraints_Product_C_Polyhedron_Grid_t

  Opaque pointer to const object.

- typedef struct ppl_Constraints_Product_NNC_Polyhedron_Grid_tag * ppl_Constraints_Product_NNC_Polyhedron_Grid_t

  Opaque pointer.

- typedef struct ppl_Constraints_Product_NNC_Polyhedron_Grid_tag const * ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t

  Opaque pointer to const object.

- typedef struct ppl_Constraints_Product_Grid_C_Polyhedron_tag * ppl_Constraints_Product_Grid_C_Polyhedron_t

  Opaque pointer.

- typedef struct ppl_Constraints_Product_Grid_C_Polyhedron_tag const * ppl_const_Constraints_Product_Grid_C_Polyhedron_t

  Opaque pointer to const object.

- typedef struct ppl_Constraints_Product_Grid_NNC_Polyhedron_tag * ppl_Constraints_Product_Grid_NNC_Polyhedron_t

  Opaque pointer.

- typedef struct ppl_Constraints_Product_Grid_NNC_Polyhedron_tag const * ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t

  Opaque pointer to const object.

- typedef struct ppl_Float_Box_tag * ppl_Float_Box_t

  Opaque pointer.

- typedef struct ppl_Float_Box_tag const * ppl_const_Float_Box_t

  Opaque pointer to const object.

- typedef struct ppl_BD_Shape_float_tag * ppl_BD_Shape_float_t

Opaque pointer.

- typedef struct ppl_BD_Shape_float_tag const * ppl_const_BD_Shape_float_t

  Opaque pointer to const object.

- typedef struct ppl_Octagonal_Shape_float_tag * ppl_Octagonal_Shape_float_t

  Opaque pointer.

- typedef struct ppl_Octagonal_Shape_float_tag const * ppl_const_Octagonal_Shape_float_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Float_Box_tag * ppl_Pointset_Powerset_Float_Box_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Float_Box_tag const * ppl_const_Pointset_Powerset_Float_-Box_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_BD_Shape_float_tag * ppl_Pointset_Powerset_BD_Shape_-float_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_BD_Shape_float_tag const * ppl_const_Pointset_Powerset_-BD_Shape_float_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_float_tag * ppl_Pointset_Powerset_-Octagonal_Shape_float_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_float_tag const * ppl_const_Pointset_-Powerset_Octagonal_Shape_float_t

  Opaque pointer to const object.

- typedef struct ppl_Double_Box_tag * ppl_Double_Box_t

  Opaque pointer.

- typedef struct ppl_Double_Box_tag const * ppl_const_Double_Box_t

  Opaque pointer to const object.

- typedef struct ppl_BD_Shape_double_tag * ppl_BD_Shape_double_t

  Opaque pointer.

- typedef struct ppl_BD_Shape_double_tag const * ppl_const_BD_Shape_double_t

  Opaque pointer to const object.

- typedef struct ppl_Octagonal_Shape_double_tag * ppl_Octagonal_Shape_double_t

  Opaque pointer.

- typedef struct ppl_Octagonal_Shape_double_tag const * ppl_const_Octagonal_Shape_double_t

Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Double_Box_tag * ppl_Pointset_Powerset_Double_Box_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Double_Box_tag const * ppl_const_Pointset_Powerset_Double_Box_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_BD_Shape_double_tag * ppl_Pointset_Powerset_BD_Shape_double_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_BD_Shape_double_tag const * ppl_const_Pointset_Powerset_BD_Shape_double_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_double_tag * ppl_Pointset_Powerset_Octagonal_Shape_double_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_double_tag const * ppl_const_Pointset_Powerset_Octagonal_Shape_double_t

  Opaque pointer to const object.

- typedef struct ppl_Long_Double_Box_tag * ppl_Long_Double_Box_t

  Opaque pointer.

- typedef struct ppl_Long_Double_Box_tag const * ppl_const_Long_Double_Box_t

  Opaque pointer to const object.

- typedef struct ppl_BD_Shape_long_double_tag * ppl_BD_Shape_long_double_t

  Opaque pointer.

- typedef struct ppl_BD_Shape_long_double_tag const * ppl_const_BD_Shape_long_double_t

  Opaque pointer to const object.

- typedef struct ppl_Octagonal_Shape_long_double_tag * ppl_Octagonal_Shape_long_double_t

  Opaque pointer.

- typedef struct ppl_Octagonal_Shape_long_double_tag const * ppl_const_Octagonal_Shape_long_double_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Long_Double_Box_tag * ppl_Pointset_Powerset_Long_Double_Box_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Long_Double_Box_tag const * ppl_const_Pointset_Powerset_Long_Double_Box_t

Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_BD_Shape_long_double_tag * ppl_Pointset_Powerset_BD_Shape_long_double_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_BD_Shape_long_double_tag const * ppl_const_Pointset_Powerset_BD_Shape_long_double_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_long_double_tag * ppl_Pointset_Powerset_Octagonal_Shape_long_double_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_long_double_tag const * ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Int8_Box_iterator_tag * ppl_Pointset_Powerset_Int8_Box_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Int8_Box_iterator_tag const * ppl_const_Pointset_Powerset_Int8_Box_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Int8_Box_const_iterator_tag * ppl_Pointset_Powerset_Int8_Box_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Int8_Box_const_iterator_tag const * ppl_const_Pointset_Powerset_Int8_Box_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Int16_Box_iterator_tag * ppl_Pointset_Powerset_Int16_Box_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Int16_Box_iterator_tag const * ppl_const_Pointset_Powerset_Int16_Box_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Int16_Box_const_iterator_tag * ppl_Pointset_Powerset_Int16_Box_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Int16_Box_const_iterator_tag const * ppl_const_Pointset_Powerset_Int16_Box_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Int32_Box_iterator_tag * ppl_Pointset_Powerset_Int32_Box_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Int32_Box_iterator_tag const * ppl_const_Pointset_Powerset_Int32_Box_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Int32_Box_const_iterator_tag * ppl_Pointset_Powerset_Int32_Box_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Int32_Box_const_iterator_tag const * ppl_const_Pointset_Powerset_Int32_Box_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Int64_Box_iterator_tag * ppl_Pointset_Powerset_Int64_Box_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Int64_Box_iterator_tag const * ppl_const_Pointset_Powerset_Int64_Box_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Int64_Box_const_iterator_tag * ppl_Pointset_Powerset_Int64_Box_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Int64_Box_const_iterator_tag const * ppl_const_Pointset_Powerset_Int64_Box_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Uint8_Box_iterator_tag * ppl_Pointset_Powerset_Uint8_Box_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Uint8_Box_iterator_tag const * ppl_const_Pointset_Powerset_Uint8_Box_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Uint8_Box_const_iterator_tag * ppl_Pointset_Powerset_Uint8_Box_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Uint8_Box_const_iterator_tag const * ppl_const_Pointset_Powerset_Uint8_Box_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Uint16_Box_iterator_tag * ppl_Pointset_Powerset_Uint16_Box_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Uint16_Box_iterator_tag const * ppl_const_Pointset_Powerset_Uint16_Box_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Uint16_Box_const_iterator_tag * ppl_Pointset_Powerset_Uint16_Box_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Uint16_Box_const_iterator_tag const * ppl_const_Pointset_Powerset_Uint16_Box_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Uint32_Box_iterator_tag * ppl_Pointset_Powerset_Uint32_Box_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Uint32_Box_iterator_tag const * ppl_const_Pointset_Powerset_Uint32_Box_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Uint32_Box_const_iterator_tag * ppl_Pointset_Powerset_Uint32_Box_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Uint32_Box_const_iterator_tag const * ppl_const_Pointset_Powerset_Uint32_Box_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Uint64_Box_iterator_tag * ppl_Pointset_Powerset_Uint64_Box_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Uint64_Box_iterator_tag const * ppl_const_Pointset_Powerset_Uint64_Box_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Uint64_Box_const_iterator_tag * ppl_Pointset_Powerset_Uint64_Box_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Uint64_Box_const_iterator_tag const * ppl_const_Pointset_Powerset_Uint64_Box_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Rational_Box_iterator_tag * ppl_Pointset_Powerset_Rational_Box_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Rational_Box_iterator_tag const * ppl_const_Pointset_Powerset_Rational_Box_iterator_t

Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Rational_Box_const_iterator_tag * ppl_Pointset_Powerset_Rational_Box_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Rational_Box_const_iterator_tag const * ppl_const_Pointset_Powerset_Rational_Box_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Z_Box_iterator_tag * ppl_Pointset_Powerset_Z_Box_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Z_Box_iterator_tag const * ppl_const_Pointset_Powerset_Z_Box_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Z_Box_const_iterator_tag * ppl_Pointset_Powerset_Z_Box_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Z_Box_const_iterator_tag const * ppl_const_Pointset_Powerset_Z_Box_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_BD_Shape_int8_t_iterator_tag * ppl_Pointset_Powerset_BD_Shape_int8_t_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_BD_Shape_int8_t_iterator_tag const * ppl_const_Pointset_Powerset_BD_Shape_int8_t_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_BD_Shape_int8_t_const_iterator_tag * ppl_Pointset_Powerset_BD_Shape_int8_t_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_BD_Shape_int8_t_const_iterator_tag const * ppl_const_Pointset_Powerset_BD_Shape_int8_t_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_BD_Shape_int16_t_iterator_tag * ppl_Pointset_Powerset_BD_Shape_int16_t_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_BD_Shape_int16_t_iterator_tag const * ppl_const_Pointset_Powerset_BD_Shape_int16_t_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_tag * ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_tag const * ppl_const_Pointset_Powerset_BD_Shape_int16_t_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_BD_Shape_int32_t_iterator_tag * ppl_Pointset_Powerset_BD_Shape_int32_t_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_BD_Shape_int32_t_iterator_tag const * ppl_const_Pointset_Powerset_BD_Shape_int32_t_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_BD_Shape_int32_t_const_iterator_tag * ppl_Pointset_Powerset_BD_Shape_int32_t_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_BD_Shape_int32_t_const_iterator_tag const * ppl_const_Pointset_Powerset_BD_Shape_int32_t_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_tag * ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_tag const * ppl_const_Pointset_Powerset_BD_Shape_int64_t_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_BD_Shape_int64_t_const_iterator_tag * ppl_Pointset_Powerset_BD_Shape_int64_t_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_BD_Shape_int64_t_const_iterator_tag const * ppl_const_Pointset_Powerset_BD_Shape_int64_t_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_BD_Shape_mpq_class_iterator_tag * ppl_Pointset_Powerset_BD_Shape_mpq_class_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_BD_Shape_mpq_class_iterator_tag const * ppl_const_Pointset_Powerset_BD_Shape_mpq_class_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_tag * ppl_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_tag const * ppl_const_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_BD_Shape_mpz_class_iterator_tag * ppl_Pointset_Powerset_BD_Shape_mpz_class_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_BD_Shape_mpz_class_iterator_tag const * ppl_const_Pointset_Powerset_BD_Shape_mpz_class_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_tag * ppl_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_tag const * ppl_const_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_tag * ppl_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_tag const * ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_tag * ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_tag const * ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_tag * ppl_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_tag const * ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_tag * ppl_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_tag const * ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_t

Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_tag * ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_tag const * ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_tag * ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_tag const * ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_tag * ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_tag const * ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_tag * ppl_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_tag const * ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_tag * ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_tag const * ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator_tag * ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator_tag const * ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_tag * ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_tag const * ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_tag * ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_tag const * ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_C_Polyhedron_iterator_tag * ppl_Pointset_Powerset_C_Polyhedron_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_C_Polyhedron_iterator_tag const * ppl_const_Pointset_Powerset_C_Polyhedron_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_C_Polyhedron_const_iterator_tag * ppl_Pointset_Powerset_C_Polyhedron_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_C_Polyhedron_const_iterator_tag const * ppl_const_Pointset_Powerset_C_Polyhedron_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_NNC_Polyhedron_iterator_tag * ppl_Pointset_Powerset_NNC_Polyhedron_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_NNC_Polyhedron_iterator_tag const * ppl_const_Pointset_Powerset_NNC_Polyhedron_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_NNC_Polyhedron_const_iterator_tag * ppl_Pointset_Powerset_NNC_Polyhedron_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_NNC_Polyhedron_const_iterator_tag const * ppl_const_Pointset_Powerset_NNC_Polyhedron_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Grid_iterator_tag * ppl_Pointset_Powerset_Grid_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Grid_iterator_tag const * ppl_const_Pointset_Powerset_Grid_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Grid_const_iterator_tag * ppl_Pointset_Powerset_Grid_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Grid_const_iterator_tag const * ppl_const_Pointset_Powerset_Grid_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Float_Box_iterator_tag * ppl_Pointset_Powerset_Float_Box_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Float_Box_iterator_tag const * ppl_const_Pointset_Powerset_Float_Box_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Float_Box_const_iterator_tag * ppl_Pointset_Powerset_Float_Box_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Float_Box_const_iterator_tag const * ppl_const_Pointset_Powerset_Float_Box_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_BD_Shape_float_iterator_tag * ppl_Pointset_Powerset_BD_Shape_float_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_BD_Shape_float_iterator_tag const * ppl_const_Pointset_Powerset_BD_Shape_float_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_BD_Shape_float_const_iterator_tag * ppl_Pointset_Powerset_BD_Shape_float_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_BD_Shape_float_const_iterator_tag const * ppl_const_Pointset_Powerset_BD_Shape_float_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_float_iterator_tag * ppl_Pointset_Powerset_Octagonal_Shape_float_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_float_iterator_tag const * ppl_const_Pointset_Powerset_Octagonal_Shape_float_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_float_const_iterator_tag * ppl_Pointset_Powerset_Octagonal_Shape_float_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_float_const_iterator_tag const * ppl_const_Pointset_Powerset_Octagonal_Shape_float_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Double_Box_iterator_tag * ppl_Pointset_Powerset_Double_Box_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Double_Box_iterator_tag const * ppl_const_Pointset_Powerset_Double_Box_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Double_Box_const_iterator_tag * ppl_Pointset_Powerset_Double_Box_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Double_Box_const_iterator_tag const * ppl_const_Pointset_Powerset_Double_Box_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_BD_Shape_double_iterator_tag * ppl_Pointset_Powerset_BD_Shape_double_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_BD_Shape_double_iterator_tag const * ppl_const_Pointset_Powerset_BD_Shape_double_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_BD_Shape_double_const_iterator_tag * ppl_Pointset_Powerset_BD_Shape_double_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_BD_Shape_double_const_iterator_tag const * ppl_const_Pointset_Powerset_BD_Shape_double_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_double_iterator_tag * ppl_Pointset_Powerset_Octagonal_Shape_double_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_double_iterator_tag const * ppl_const_Pointset_Powerset_Octagonal_Shape_double_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_double_const_iterator_tag * ppl_Pointset_Powerset_Octagonal_Shape_double_const_iterator_t

Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_double_const_iterator_tag const * ppl_const_Pointset_Powerset_Octagonal_Shape_double_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Long_Double_Box_iterator_tag * ppl_Pointset_Powerset_Long_Double_Box_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Long_Double_Box_iterator_tag const * ppl_const_Pointset_Powerset_Long_Double_Box_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Long_Double_Box_const_iterator_tag * ppl_Pointset_Powerset_Long_Double_Box_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Long_Double_Box_const_iterator_tag const * ppl_const_Pointset_Powerset_Long_Double_Box_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_BD_Shape_long_double_iterator_tag * ppl_Pointset_Powerset_BD_Shape_long_double_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_BD_Shape_long_double_iterator_tag const * ppl_const_Pointset_Powerset_BD_Shape_long_double_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_BD_Shape_long_double_const_iterator_tag * ppl_Pointset_Powerset_BD_Shape_long_double_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_BD_Shape_long_double_const_iterator_tag const * ppl_const_Pointset_Powerset_BD_Shape_long_double_const_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_long_double_iterator_tag * ppl_Pointset_Powerset_Octagonal_Shape_long_double_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_long_double_iterator_tag const * ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_iterator_t

  Opaque pointer to const object.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_tag * ppl_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_t

  Opaque pointer.

- typedef struct ppl_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_tag const * ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_t

  Opaque pointer to const object.

Enumerations

- enum ppl_enum_Constraint_Type {

  PPL_CONSTRAINT_TYPE_LESS_THAN, PPL_CONSTRAINT_TYPE_LESS_OR_EQUAL, PPL_CONSTRAINT_TYPE_EQUAL, PPL_CONSTRAINT_TYPE_GREATER_OR_EQUAL,

  PPL_CONSTRAINT_TYPE_GREATER_THAN }

  Describes the relations represented by a constraint.

- enum ppl_enum_Generator_Type { PPL_GENERATOR_TYPE_LINE, PPL_GENERATOR_TYPE_RAY, PPL_GENERATOR_TYPE_POINT, PPL_GENERATOR_TYPE_CLOSURE_POINT }

  Describes the different kinds of generators.

- enum ppl_enum_Grid_Generator_Type { PPL_GRID_GENERATOR_TYPE_LINE, PPL_GRID_GENERATOR_TYPE_PARAMETER, PPL_GRID_GENERATOR_TYPE_POINT }

  Describes the different kinds of grid generators.

- enum ppl_enum_Bounded_Integer_Type_Width {

  PPL_BITS_8, PPL_BITS_16, PPL_BITS_32, PPL_BITS_64,

  PPL_BITS_128 }

  Widths of bounded integer types.

- enum ppl_enum_Bounded_Integer_Type_Representation { PPL_UNSIGNED, PPL_SIGNED_2_COMPLEMENT }

  Representation of bounded integer types.

- enum ppl_enum_Bounded_Integer_Type_Overflow { PPL_OVERFLOW_WRAPS, PPL_OVERFLOW_UNDEFINED, PPL_OVERFLOW_IMPOSSIBLE }

  Overflow behavior of bounded integer types.

Functions

- int ppl_max_space_dimension (ppl_dimension_type *m)

  Writes to `m` the maximum space dimension this library can handle.

- int ppl_not_a_dimension (ppl_dimension_type *m)

  Writes to `m` a value that does not designate a valid dimension.

- int ppl_io_print_variable (ppl_dimension_type var)

  Pretty-prints `var` to `stdout`.

- int ppl_io_fprint_variable (FILE *stream, ppl_dimension_type var)

  Pretty-prints `var` to the given output `stream`.

- int ppl_io_asprint_variable (char **strp, ppl_dimension_type var)

  Pretty-prints `var` to a malloc-allocated string, a pointer to which is returned via `strp`.

- int ppl_io_set_variable_output_function (ppl_io_variable_output_function_type *p)

  Sets the output function to be used for printing variables to `p`.

- int ppl_io_get_variable_output_function (ppl_io_variable_output_function_type **pp)

  Writes a pointer to the current variable output function to `pp`.

- char * ppl_io_wrap_string (const char *src, unsigned indent_depth, unsigned preferred_first_line_length, unsigned preferred_line_length)

  Utility function for the wrapping of lines of text.

Variables

- unsigned int PPL_COMPLEXITY_CLASS_POLYNOMIAL

  Code of the worst-case polynomial complexity class.

- unsigned int PPL_COMPLEXITY_CLASS_SIMPLEX

  Code of the worst-case exponential but typically polynomial complexity class.

- unsigned int PPL_COMPLEXITY_CLASS_ANY

  Code of the universal complexity class.

- unsigned int PPL_POLY_CON_RELATION_IS_DISJOINT

  Individual bit saying that the polyhedron and the set of points satisfying the constraint are disjoint.

- unsigned int PPL_POLY_CON_RELATION_STRICTLY_INTERSECTS

  Individual bit saying that the polyhedron intersects the set of points satisfying the constraint, but it is not included in it.

- unsigned int PPL_POLY_CON_RELATION_IS_INCLUDED

  Individual bit saying that the polyhedron is included in the set of points satisfying the constraint.

- unsigned int PPL_POLY_CON_RELATION_SATURATES

  Individual bit saying that the polyhedron is included in the set of points saturating the constraint.

- unsigned int PPL_POLY_GEN_RELATION_SUBSUMES

  Individual bit saying that adding the generator would not change the polyhedron.

6.6.1 Detailed Description

Typedefs for the library datatypes and related symbolic constants. The datatypes provided by the library should be manipulated by means of the corresponding opaque pointer types and the functions working on them.

Note

To simplify the detection of common programming mistakes, we provide both pointer-to-const and pointer-to-nonconst opaque pointers, with implicit conversions mapping each pointer-to-nonconst to the corresponding pointer-to-const when needed. The user of the C interface is therefore recommended to adopt the pointer-to-const type whenever read-only access is meant.

6.6.2 Typedef Documentation

6.6.2.1 typedef const char* ppl_io_variable_output_function_type(ppl_dimension_type var)

The type of output functions used for printing variables.

An output function for variables must write a textual representation for `var` to a character buffer, null-terminate it, and return a pointer to the beginning of the buffer. In case the operation fails, 0 should be returned and perhaps `errno` should be set in a meaningful way. The library does nothing with the buffer, besides printing its contents.

6.6.3 Enumeration Type Documentation

6.6.3.1 enum ppl_enum_Constraint_Type

Describes the relations represented by a constraint.

Enumerator:

PPL_CONSTRAINT_TYPE_LESS_THAN The constraint is of the form $e < 0$.

PPL_CONSTRAINT_TYPE_LESS_OR_EQUAL The constraint is of the form $e \leq 0$.

PPL_CONSTRAINT_TYPE_EQUAL The constraint is of the form $e = 0$.

PPL_CONSTRAINT_TYPE_GREATER_OR_EQUAL The constraint is of the form $e \geq 0$.

PPL_CONSTRAINT_TYPE_GREATER_THAN The constraint is of the form $e > 0$.

6.6.3.2 enum ppl_enum_Generator_Type

Describes the different kinds of generators.

Enumerator:

PPL_GENERATOR_TYPE_LINE The generator is a line.

PPL_GENERATOR_TYPE_RAY The generator is a ray.

PPL_GENERATOR_TYPE_POINT The generator is a point.

PPL_GENERATOR_TYPE_CLOSURE_POINT The generator is a closure point.

6.6.3.3 enum ppl_enum_Grid_Generator_Type

Describes the different kinds of grid generators.

Enumerator:

PPL_GRID_GENERATOR_TYPE_LINE The grid generator is a line.

PPL_GRID_GENERATOR_TYPE_PARAMETER The grid generator is a parameter.

PPL_GRID_GENERATOR_TYPE_POINT The grid generator is a point.

6.6.3.4 enum ppl_enum_Bounded_Integer_Type_Width

Widths of bounded integer types.

Enumerator:

PPL_BITS_8 8 bits.

PPL_BITS_16 16 bits.

PPL_BITS_32 32 bits.

PPL_BITS_64 64 bits.

PPL_BITS_128 128 bits.

6.6.3.5 enum ppl_enum_Bounded_Integer_Type_Representation

Representation of bounded integer types.

Enumerator:

PPL_UNSIGNED Unsigned binary.

PPL_SIGNED_2_COMPLEMENT Signed binary where negative values are represented by the two's complement of the absolute value.

6.6.3.6 enum ppl_enum_Bounded_Integer_Type_Overflow

Overflow behavior of bounded integer types.

Enumerator:

PPL_OVERFLOW_WRAPS On overflow, wrapping takes place. This means that, for a w-bit bounded integer, the computation happens modulo 2^w.

PPL_OVERFLOW_UNDEFINED On overflow, the result is undefined. This simply means that the result of the operation resulting in an overflow can take any value.

Note

Even though something more serious can happen in the system being analyzed ---due to, e.g., C's undefined behavior---, here we are only concerned with the results of arithmetic operations. It is the responsibility of the analyzer to ensure that other manifestations of undefined behavior are conservatively approximated.

PPL_OVERFLOW_IMPOSSIBLE Overflow is impossible. This is for the analysis of languages where overflow is trapped before it affects the state, for which, thus, any indication that an overflow may have affected the state is necessarily due to the imprecision of the analysis.

6.6.4 Function Documentation

6.6.4.1 char* ppl_io_wrap_string (const char * *src*, unsigned *indent_depth*, unsigned *preferred_first_line_length*, unsigned *preferred_line_length*)

Utility function for the wrapping of lines of text.

Parameters

src The source string holding the text to wrap.

indent_depth The indentation depth.

preferred_first_line_length The preferred length for the first line of text.

preferred_line_length The preferred length for all the lines but the first one.

Returns

The wrapped string in a malloc-allocated buffer.

7 Class Documentation

7.1 ppl_Artificial_Parameter_Sequence_const_iterator_tag Interface Reference

Types and functions for iterating on PIP artificial parameters.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

Constructors, Assignment and Destructor

- int ppl_new_Artificial_Parameter_Sequence_const_iterator (ppl_Artificial_Parameter_Sequence_const_iterator_t *papit)

  Builds a new 'const iterator' and writes a handle to it at address `papit`.

- int ppl_new_Artificial_Parameter_Sequence_const_iterator_from_Artificial_Parameter_Sequence_const_iterator (ppl_Artificial_Parameter_Sequence_const_iterator_t *papit, ppl_const_Artificial_Parameter_Sequence_const_iterator_t apit)

Builds a const iterator that is a copy of `apit`*; writes a handle for the newly created const iterator at address* `papit`*.*

- int ppl_assign_Artificial_Parameter_Sequence_const_iterator_from_Artificial_Parameter_Sequence_const_iterator (ppl_Artificial_Parameter_Sequence_const_iterator_t dst, ppl_const_Artificial_Parameter_Sequence_const_iterator_t src)

  Assigns a copy of the const iterator `src` *to* `dst`*.*

- int ppl_delete_Artificial_Parameter_Sequence_const_iterator (ppl_const_Artificial_Parameter_Sequence_const_iterator_t apit)

  Invalidates the handle `apit`*: this makes sure the corresponding resources will eventually be released.*

Dereferencing, Incrementing and Equality Testing

- int ppl_Artificial_Parameter_Sequence_const_iterator_dereference (ppl_const_Artificial_Parameter_Sequence_const_iterator_t apit, ppl_const_Artificial_Parameter_t *pap)

  Dereference `apit` *writing a const handle to the resulting artificial parameter at address* `pap`*.*

- int ppl_Artificial_Parameter_Sequence_const_iterator_increment (ppl_Artificial_Parameter_Sequence_const_iterator_t apit)

  Increment `apit` *so that it "points" to the next artificial parameter.*

- int ppl_Artificial_Parameter_Sequence_const_iterator_equal_test (ppl_const_Artificial_Parameter_Sequence_const_iterator_t x, ppl_const_Artificial_Parameter_Sequence_const_iterator_t y)

  Returns a positive integer if the iterators corresponding to `x` *and* `y` *are equal; returns 0 if they are different.*

7.1.1 Detailed Description

Types and functions for iterating on PIP artificial parameters.

The documentation for this interface was generated from the following file:

- ppl_c.h

7.2 ppl_Artificial_Parameter_tag Interface Reference

Types and functions for PIP artificial parameters.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_Artificial_Parameter_get_Linear_Expression (ppl_const_Artificial_Parameter_t ap, ppl_Linear_Expression_t le)

  Copies into `le` *the linear expression in artificial parameter* `ap`*.*

- int ppl_Artificial_Parameter_coefficient (ppl_const_Artificial_Parameter_t ap, ppl_dimension_type var, ppl_Coefficient_t n)

  Copies into `n` *the coefficient of variable* `var` *in the artificial parameter* `ap`.

- int ppl_Artificial_Parameter_get_inhomogeneous_term (ppl_const_Artificial_Parameter_t ap, ppl_-Coefficient_t n)

  Copies into `n` *the inhomogeneous term of the artificial parameter* `ap`.

- int ppl_Artificial_Parameter_denominator (ppl_const_Artificial_Parameter_t ap, ppl_Coefficient_t n)

  Copies into `n` *the denominator in artificial parameter* `ap`.

Input/Output Functions

- int ppl_io_print_Artificial_Parameter (ppl_const_Artificial_Parameter_t x)

  Prints `x` *to* `stdout`.

- int ppl_io_fprint_Artificial_Parameter (FILE *stream, ppl_const_Artificial_Parameter_t x)

  Prints `x` *to the given output* `stream`.

- int ppl_io_asprint_Artificial_Parameter (char **strp, ppl_const_Artificial_Parameter_t x)

  Prints `x` *to a malloc-allocated string, a pointer to which is returned via* `strp`.

- int ppl_Artificial_Parameter_ascii_dump (ppl_const_Artificial_Parameter_t x, FILE *stream)

  Dumps an ascii representation of `x` *on* `stream`.

- int ppl_Artificial_Parameter_ascii_load (ppl_Artificial_Parameter_t x, FILE *stream)

  Loads an ascii representation of `x` *from* `stream`.

7.2.1 Detailed Description

Types and functions for PIP artificial parameters. The types and functions for PIP artificial parameters provide an interface towards *Artificial_Parameter*.

The documentation for this interface was generated from the following file:

- ppl_c.h

7.3 ppl_BD_Shape_double_tag Interface Reference

Types and functions for ppl_BD_Shape_double_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_delete_BD_Shape_double (ppl_const_BD_Shape_double_t ph)

- int ppl_new_BD_Shape_double_from_space_dimension (ppl_BD_Shape_double_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_BD_Shape_double_from_Int8_Box (ppl_BD_Shape_double_t *pph, ppl_const_Int8_Box_t ph)
- int ppl_new_BD_Shape_double_from_Int16_Box (ppl_BD_Shape_double_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_BD_Shape_double_from_Int32_Box (ppl_BD_Shape_double_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_BD_Shape_double_from_Int64_Box (ppl_BD_Shape_double_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_BD_Shape_double_from_Uint8_Box (ppl_BD_Shape_double_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_BD_Shape_double_from_Uint16_Box (ppl_BD_Shape_double_t *pph, ppl_const_Uint16_Box_t ph)
- int ppl_new_BD_Shape_double_from_Uint32_Box (ppl_BD_Shape_double_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_BD_Shape_double_from_Uint64_Box (ppl_BD_Shape_double_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_BD_Shape_double_from_Z_Box (ppl_BD_Shape_double_t *pph, ppl_const_Z_Box_t ph)
- int ppl_new_BD_Shape_double_from_Rational_Box (ppl_BD_Shape_double_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_BD_Shape_double_from_BD_Shape_int8_t (ppl_BD_Shape_double_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_BD_Shape_double_from_BD_Shape_int16_t (ppl_BD_Shape_double_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_BD_Shape_double_from_BD_Shape_int32_t (ppl_BD_Shape_double_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_BD_Shape_double_from_BD_Shape_int64_t (ppl_BD_Shape_double_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_BD_Shape_double_from_BD_Shape_mpz_class (ppl_BD_Shape_double_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_BD_Shape_double_from_BD_Shape_mpq_class (ppl_BD_Shape_double_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_BD_Shape_double_from_Octagonal_Shape_int8_t (ppl_BD_Shape_double_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_BD_Shape_double_from_Octagonal_Shape_int16_t (ppl_BD_Shape_double_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_BD_Shape_double_from_Octagonal_Shape_int32_t (ppl_BD_Shape_double_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_BD_Shape_double_from_Octagonal_Shape_int64_t (ppl_BD_Shape_double_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_BD_Shape_double_from_Octagonal_Shape_mpz_class (ppl_BD_Shape_double_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_BD_Shape_double_from_Octagonal_Shape_mpq_class (ppl_BD_Shape_double_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_BD_Shape_double_from_C_Polyhedron (ppl_BD_Shape_double_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_BD_Shape_double_from_NNC_Polyhedron (ppl_BD_Shape_double_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_BD_Shape_double_from_Grid (ppl_BD_Shape_double_t *pph, ppl_const_Grid_t ph)

- int ppl_new_BD_Shape_double_from_Float_Box (ppl_BD_Shape_double_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_BD_Shape_double_from_BD_Shape_float (ppl_BD_Shape_double_t *pph, ppl_const_BD_Shape_float_t ph)
- int ppl_new_BD_Shape_double_from_Octagonal_Shape_float (ppl_BD_Shape_double_t *pph, ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_BD_Shape_double_from_Double_Box (ppl_BD_Shape_double_t *pph, ppl_const_Double_Box_t ph)
- int ppl_new_BD_Shape_double_from_BD_Shape_double (ppl_BD_Shape_double_t *pph, ppl_const_BD_Shape_double_t ph)
- int ppl_new_BD_Shape_double_from_Octagonal_Shape_double (ppl_BD_Shape_double_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_BD_Shape_double_from_Long_Double_Box (ppl_BD_Shape_double_t *pph, ppl_const_Long_Double_Box_t ph)
- int ppl_new_BD_Shape_double_from_BD_Shape_long_double (ppl_BD_Shape_double_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_BD_Shape_double_from_Octagonal_Shape_long_double (ppl_BD_Shape_double_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_BD_Shape_double_from_Int8_Box_with_complexity (ppl_BD_Shape_double_t *pph, ppl_const_Int8_Box_t ph, int complexity)
- int ppl_new_BD_Shape_double_from_Int16_Box_with_complexity (ppl_BD_Shape_double_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_BD_Shape_double_from_Int32_Box_with_complexity (ppl_BD_Shape_double_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_BD_Shape_double_from_Int64_Box_with_complexity (ppl_BD_Shape_double_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_BD_Shape_double_from_Uint8_Box_with_complexity (ppl_BD_Shape_double_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_BD_Shape_double_from_Uint16_Box_with_complexity (ppl_BD_Shape_double_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_BD_Shape_double_from_Uint32_Box_with_complexity (ppl_BD_Shape_double_t *pph, ppl_const_Uint32_Box_t ph, int complexity)
- int ppl_new_BD_Shape_double_from_Uint64_Box_with_complexity (ppl_BD_Shape_double_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_BD_Shape_double_from_Z_Box_with_complexity (ppl_BD_Shape_double_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_BD_Shape_double_from_Rational_Box_with_complexity (ppl_BD_Shape_double_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_BD_Shape_double_from_BD_Shape_int8_t_with_complexity (ppl_BD_Shape_double_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)
- int ppl_new_BD_Shape_double_from_BD_Shape_int16_t_with_complexity (ppl_BD_Shape_double_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_BD_Shape_double_from_BD_Shape_int32_t_with_complexity (ppl_BD_Shape_double_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_BD_Shape_double_from_BD_Shape_int64_t_with_complexity (ppl_BD_Shape_double_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_BD_Shape_double_from_BD_Shape_mpz_class_with_complexity (ppl_BD_Shape_double_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_BD_Shape_double_from_BD_Shape_mpq_class_with_complexity (ppl_BD_Shape_double_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_BD_Shape_double_from_Octagonal_Shape_int8_t_with_complexity (ppl_BD_Shape_double_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)

- int ppl_new_BD_Shape_double_from_Octagonal_Shape_int16_t_with_complexity (ppl_BD_Shape_double_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_BD_Shape_double_from_Octagonal_Shape_int32_t_with_complexity (ppl_BD_Shape_double_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_BD_Shape_double_from_Octagonal_Shape_int64_t_with_complexity (ppl_BD_Shape_double_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_new_BD_Shape_double_from_Octagonal_Shape_mpz_class_with_complexity (ppl_BD_Shape_double_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_BD_Shape_double_from_Octagonal_Shape_mpq_class_with_complexity (ppl_BD_Shape_double_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_BD_Shape_double_from_C_Polyhedron_with_complexity (ppl_BD_Shape_double_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_BD_Shape_double_from_NNC_Polyhedron_with_complexity (ppl_BD_Shape_double_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_BD_Shape_double_from_Grid_with_complexity (ppl_BD_Shape_double_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_BD_Shape_double_from_Float_Box_with_complexity (ppl_BD_Shape_double_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_BD_Shape_double_from_BD_Shape_float_with_complexity (ppl_BD_Shape_double_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)
- int ppl_new_BD_Shape_double_from_Octagonal_Shape_float_with_complexity (ppl_BD_Shape_double_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_BD_Shape_double_from_Double_Box_with_complexity (ppl_BD_Shape_double_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_BD_Shape_double_from_BD_Shape_double_with_complexity (ppl_BD_Shape_double_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_BD_Shape_double_from_Octagonal_Shape_double_with_complexity (ppl_BD_Shape_double_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_BD_Shape_double_from_Long_Double_Box_with_complexity (ppl_BD_Shape_double_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_BD_Shape_double_from_BD_Shape_long_double_with_complexity (ppl_BD_Shape_double_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_BD_Shape_double_from_Octagonal_Shape_long_double_with_complexity (ppl_BD_Shape_double_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_BD_Shape_double_from_Constraint_System (ppl_BD_Shape_double_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_BD_Shape_double_from_Congruence_System (ppl_BD_Shape_double_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_new_BD_Shape_double_from_Generator_System (ppl_BD_Shape_double_t *pph, ppl_const_Generator_System_t cs)
- int ppl_BD_Shape_double_space_dimension (ppl_const_BD_Shape_double_t ph, ppl_dimension_type *m)
- int ppl_BD_Shape_double_affine_dimension (ppl_const_BD_Shape_double_t ph, ppl_dimension_type *m)
- int ppl_BD_Shape_double_relation_with_Constraint (ppl_const_BD_Shape_double_t ph, ppl_const_Constraint_t c)
- int ppl_BD_Shape_double_relation_with_Generator (ppl_const_BD_Shape_double_t ph, ppl_const_Generator_t c)
- int ppl_BD_Shape_double_relation_with_Congruence (ppl_const_BD_Shape_double_t ph, ppl_const_Congruence_t c)
- int ppl_BD_Shape_double_get_constraints (ppl_const_BD_Shape_double_t ph, ppl_const_Constraint_System_t *pcs)

- int ppl_BD_Shape_double_get_congruences (ppl_const_BD_Shape_double_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_BD_Shape_double_get_minimized_constraints (ppl_const_BD_Shape_double_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_BD_Shape_double_get_minimized_congruences (ppl_const_BD_Shape_double_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_BD_Shape_double_is_empty (ppl_const_BD_Shape_double_t ph)
- int ppl_BD_Shape_double_is_universe (ppl_const_BD_Shape_double_t ph)
- int ppl_BD_Shape_double_is_bounded (ppl_const_BD_Shape_double_t ph)
- int ppl_BD_Shape_double_contains_integer_point (ppl_const_BD_Shape_double_t ph)
- int ppl_BD_Shape_double_is_topologically_closed (ppl_const_BD_Shape_double_t ph)
- int ppl_BD_Shape_double_is_discrete (ppl_const_BD_Shape_double_t ph)
- int ppl_BD_Shape_double_topological_closure_assign (ppl_BD_Shape_double_t ph)
- int ppl_BD_Shape_double_bounds_from_above (ppl_const_BD_Shape_double_t ph, ppl_const_Linear_Expression_t le)
- int ppl_BD_Shape_double_bounds_from_below (ppl_const_BD_Shape_double_t ph, ppl_const_Linear_Expression_t le)
- int ppl_BD_Shape_double_maximize (ppl_const_BD_Shape_double_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_BD_Shape_double_minimize (ppl_const_BD_Shape_double_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_BD_Shape_double_maximize_with_point (ppl_const_BD_Shape_double_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_BD_Shape_double_minimize_with_point (ppl_const_BD_Shape_double_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_BD_Shape_double_frequency (ppl_const_BD_Shape_double_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_fn, ppl_Coefficient_t ext_fd, ppl_Coefficient_t ext_vn, ppl_Coefficient_t ext_vd)
- int ppl_BD_Shape_double_contains_BD_Shape_double (ppl_const_BD_Shape_double_t x, ppl_const_BD_Shape_double_t y)
- int ppl_BD_Shape_double_strictly_contains_BD_Shape_double (ppl_const_BD_Shape_double_t x, ppl_const_BD_Shape_double_t y)
- int ppl_BD_Shape_double_is_disjoint_from_BD_Shape_double (ppl_const_BD_Shape_double_t x, ppl_const_BD_Shape_double_t y)
- int ppl_BD_Shape_double_equals_BD_Shape_double (ppl_const_BD_Shape_double_t x, ppl_const_BD_Shape_double_t y)
- int ppl_BD_Shape_double_OK (ppl_const_BD_Shape_double_t ph)
- int ppl_BD_Shape_double_add_constraint (ppl_BD_Shape_double_t ph, ppl_const_Constraint_t c)
- int ppl_BD_Shape_double_add_congruence (ppl_BD_Shape_double_t ph, ppl_const_Congruence_t c)
- int ppl_BD_Shape_double_add_constraints (ppl_BD_Shape_double_t ph, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_double_add_congruences (ppl_BD_Shape_double_t ph, ppl_const_Congruence_System_t cs)
- int ppl_BD_Shape_double_refine_with_constraint (ppl_BD_Shape_double_t ph, ppl_const_Constraint_t c)
- int ppl_BD_Shape_double_refine_with_congruence (ppl_BD_Shape_double_t ph, ppl_const_Congruence_t c)
- int ppl_BD_Shape_double_refine_with_constraints (ppl_BD_Shape_double_t ph, ppl_const_Constraint_System_t cs)

- int ppl_BD_Shape_double_refine_with_congruences (ppl_BD_Shape_double_t ph, ppl_const_Congruence_System_t cs)
- int ppl_BD_Shape_double_intersection_assign (ppl_BD_Shape_double_t x, ppl_const_BD_Shape_double_t y)
- int ppl_BD_Shape_double_upper_bound_assign (ppl_BD_Shape_double_t x, ppl_const_BD_Shape_double_t y)
- int ppl_BD_Shape_double_difference_assign (ppl_BD_Shape_double_t x, ppl_const_BD_Shape_double_t y)
- int ppl_BD_Shape_double_concatenate_assign (ppl_BD_Shape_double_t x, ppl_const_BD_Shape_double_t y)
- int ppl_BD_Shape_double_time_elapse_assign (ppl_BD_Shape_double_t x, ppl_const_BD_Shape_double_t y)
- int ppl_BD_Shape_double_upper_bound_assign_if_exact (ppl_BD_Shape_double_t x, ppl_const_BD_Shape_double_t y)
- int ppl_BD_Shape_double_simplify_using_context_assign (ppl_BD_Shape_double_t x, ppl_const_BD_Shape_double_t y)
- int ppl_BD_Shape_double_constrains (ppl_BD_Shape_double_t ph, ppl_dimension_type var)
- int ppl_BD_Shape_double_unconstrain_space_dimension (ppl_BD_Shape_double_t ph, ppl_dimension_type var)
- int ppl_BD_Shape_double_unconstrain_space_dimensions (ppl_BD_Shape_double_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_BD_Shape_double_affine_image (ppl_BD_Shape_double_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_double_affine_preimage (ppl_BD_Shape_double_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_double_bounded_affine_image (ppl_BD_Shape_double_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_double_bounded_affine_preimage (ppl_BD_Shape_double_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_double_generalized_affine_image (ppl_BD_Shape_double_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_double_generalized_affine_preimage (ppl_BD_Shape_double_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_double_generalized_affine_image_lhs_rhs (ppl_BD_Shape_double_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_BD_Shape_double_generalized_affine_preimage_lhs_rhs (ppl_BD_Shape_double_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_BD_Shape_double_add_space_dimensions_and_embed (ppl_BD_Shape_double_t ph, ppl_dimension_type d)
- int ppl_BD_Shape_double_add_space_dimensions_and_project (ppl_BD_Shape_double_t ph, ppl_dimension_type d)
- int ppl_BD_Shape_double_remove_space_dimensions (ppl_BD_Shape_double_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_BD_Shape_double_remove_higher_space_dimensions (ppl_BD_Shape_double_t ph, ppl_dimension_type d)

- int ppl_BD_Shape_double_expand_space_dimension (ppl_BD_Shape_double_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_BD_Shape_double_fold_space_dimensions (ppl_BD_Shape_double_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_BD_Shape_double_map_space_dimensions (ppl_BD_Shape_double_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_BD_Shape_double_drop_some_non_integer_points (ppl_BD_Shape_double_t ph, int complexity)
- int ppl_BD_Shape_double_drop_some_non_integer_points_2 (ppl_BD_Shape_double_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_BD_Shape_double_external_memory_in_bytes (ppl_const_BD_Shape_double_t ps, size_t *sz)
- int ppl_BD_Shape_double_total_memory_in_bytes (ppl_const_BD_Shape_double_t ps, size_t *sz)
- int ppl_BD_Shape_double_BHMZ05_widening_assign_with_tokens (ppl_BD_Shape_double_t x, ppl_const_BD_Shape_double_t y, unsigned *tp)
- int ppl_BD_Shape_double_H79_widening_assign_with_tokens (ppl_BD_Shape_double_t x, ppl_const_BD_Shape_double_t y, unsigned *tp)
- int ppl_BD_Shape_double_BHMZ05_widening_assign (ppl_BD_Shape_double_t x, ppl_const_BD_Shape_double_t y)
- int ppl_BD_Shape_double_H79_widening_assign (ppl_BD_Shape_double_t x, ppl_const_BD_Shape_double_t y)
- int ppl_BD_Shape_double_widening_assign_with_tokens (ppl_BD_Shape_double_t x, ppl_const_BD_Shape_double_t y, unsigned *tp)
- int ppl_BD_Shape_double_widening_assign (ppl_BD_Shape_double_t x, ppl_const_BD_Shape_double_t y)
- int ppl_BD_Shape_double_limited_BHMZ05_extrapolation_assign_with_tokens (ppl_BD_Shape_double_t x, ppl_const_BD_Shape_double_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_BD_Shape_double_limited_H79_extrapolation_assign_with_tokens (ppl_BD_Shape_double_t x, ppl_const_BD_Shape_double_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_BD_Shape_double_limited_CC76_extrapolation_assign_with_tokens (ppl_BD_Shape_double_t x, ppl_const_BD_Shape_double_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_BD_Shape_double_limited_BHMZ05_extrapolation_assign (ppl_BD_Shape_double_t x, ppl_const_BD_Shape_double_t y, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_double_limited_H79_extrapolation_assign (ppl_BD_Shape_double_t x, ppl_const_BD_Shape_double_t y, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_double_limited_CC76_extrapolation_assign (ppl_BD_Shape_double_t x, ppl_const_BD_Shape_double_t y, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_double_CC76_extrapolation_assign_with_tokens (ppl_BD_Shape_double_t x, ppl_const_BD_Shape_double_t y, unsigned *tp)
- int ppl_BD_Shape_double_CC76_extrapolation_assign (ppl_BD_Shape_double_t x, ppl_const_BD_Shape_double_t y)
- int ppl_BD_Shape_double_CC76_narrowing_assign (ppl_BD_Shape_double_t x, ppl_const_BD_Shape_double_t y)
- int ppl_BD_Shape_double_linear_partition (ppl_const_BD_Shape_double_t x, ppl_const_BD_Shape_double_t y, ppl_BD_Shape_double_t *p_inters, ppl_Pointset_Powerset_NNC_Polyhedron_t *p_rest)
- int ppl_BD_Shape_double_wrap_assign (ppl_BD_Shape_double_t ph, ppl_dimension_type ds[ ], size_t n, enum ppl_enum_Bounded_Integer_Type_Width w, enum ppl_enum_Bounded_Integer_Type_Representation r, enum ppl_enum_Bounded_Integer_Type_Overflow o, const ppl_const_Constraint_System_t *pcs, unsigned complexity_threshold, int wrap_individually)

- int ppl_new_BD_Shape_double_recycle_Constraint_System (ppl_BD_Shape_double_t *pph, ppl_Constraint_System_t cs)
- int ppl_new_BD_Shape_double_recycle_Congruence_System (ppl_BD_Shape_double_t *pph, ppl_Congruence_System_t cs)
- int ppl_new_BD_Shape_double_recycle_Generator_System (ppl_BD_Shape_double_t *pph, ppl_Generator_System_t cs)
- int ppl_assign_BD_Shape_double_from_BD_Shape_double (ppl_BD_Shape_double_t dst, ppl_const_BD_Shape_double_t src)
- int ppl_BD_Shape_double_add_recycled_constraints (ppl_BD_Shape_double_t ph, ppl_Constraint_System_t cs)
- int ppl_BD_Shape_double_add_recycled_congruences (ppl_BD_Shape_double_t ph, ppl_Congruence_System_t cs)
- int ppl_termination_test_MS_BD_Shape_double (ppl_const_BD_Shape_double_t pset)
- int ppl_termination_test_PR_BD_Shape_double (ppl_const_BD_Shape_double_t pset)
- int ppl_one_affine_ranking_function_MS_BD_Shape_double (ppl_const_BD_Shape_double_t pset, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_BD_Shape_double (ppl_const_BD_Shape_double_t pset, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_BD_Shape_double (ppl_const_BD_Shape_double_t pset, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_BD_Shape_double (ppl_const_BD_Shape_double_t pset, ppl_Polyhedron_t ph)
- int ppl_termination_test_MS_BD_Shape_double_2 (ppl_const_BD_Shape_double_t pset_before, ppl_const_BD_Shape_double_t pset_after)
- int ppl_termination_test_PR_BD_Shape_double_2 (ppl_const_BD_Shape_double_t pset_before, ppl_const_BD_Shape_double_t pset_after)
- int ppl_one_affine_ranking_function_MS_BD_Shape_double_2 (ppl_const_BD_Shape_double_t pset_before, ppl_const_BD_Shape_double_t pset_after, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_BD_Shape_double_2 (ppl_const_BD_Shape_double_t pset_before, ppl_const_BD_Shape_double_t pset_after, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_BD_Shape_double_2 (ppl_const_BD_Shape_double_t pset_before, ppl_const_BD_Shape_double_t pset_after, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_BD_Shape_double_2 (ppl_const_BD_Shape_double_t pset_before, ppl_const_BD_Shape_double_t pset_after, ppl_Polyhedron_t ph)
- int ppl_io_print_BD_Shape_double (ppl_const_BD_Shape_double_t x)
- int ppl_io_fprint_BD_Shape_double (FILE *stream, ppl_const_BD_Shape_double_t x)
- int ppl_io_asprint_BD_Shape_double (char **strp, ppl_const_BD_Shape_double_t x)
- int ppl_BD_Shape_double_ascii_dump (ppl_const_BD_Shape_double_t x, FILE *stream)
- int ppl_BD_Shape_double_ascii_load (ppl_BD_Shape_double_t x, FILE *stream)

7.3.1 Detailed Description

Types and functions for ppl_BD_Shape_double_tag.

7.3.2 Friends And Related Function Documentation

7.3.2.1 int ppl_delete_BD_Shape_double (ppl_const_BD_Shape_double_t *ph*) [related]

7.3.2.2 int ppl_new_BD_Shape_double_from_space_dimension (ppl_BD_Shape_double_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.3.2.3 int ppl_new_BD_Shape_double_from_Int8_Box (ppl_BD_Shape_double_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.3.2.4 int ppl_new_BD_Shape_double_from_Int16_Box (ppl_BD_Shape_double_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.3.2.5 int ppl_new_BD_Shape_double_from_Int32_Box (ppl_BD_Shape_double_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.3.2.6 int ppl_new_BD_Shape_double_from_Int64_Box (ppl_BD_Shape_double_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.3.2.7 int ppl_new_BD_Shape_double_from_Uint8_Box (ppl_BD_Shape_double_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.3.2.8 int ppl_new_BD_Shape_double_from_Uint16_Box (ppl_BD_Shape_double_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.3.2.9 int ppl_new_BD_Shape_double_from_Uint32_Box (ppl_BD_Shape_double_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.3.2.10 int ppl_new_BD_Shape_double_from_Uint64_Box (ppl_BD_Shape_double_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.3.2.11 int ppl_new_BD_Shape_double_from_Z_Box (ppl_BD_Shape_double_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.3.2.12 int ppl_new_BD_Shape_double_from_Rational_Box (ppl_BD_Shape_double_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.3.2.13 int ppl_new_BD_Shape_double_from_BD_Shape_int8_t (ppl_BD_Shape_double_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.3.2.14 int ppl_new_BD_Shape_double_from_BD_Shape_int16_t (ppl_BD_Shape_double_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.3.2.15 int ppl_new_BD_Shape_double_from_BD_Shape_int32_t (ppl_BD_Shape_double_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.3.2.16 int ppl_new_BD_Shape_double_from_BD_Shape_int64_t (ppl_BD_Shape_double_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.3.2.17 int ppl_new_BD_Shape_double_from_BD_Shape_mpz_class (ppl_BD_Shape_double_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.3.2.18 int ppl_new_BD_Shape_double_from_BD_Shape_mpq_class (ppl_BD_Shape_double_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.3.2.19 int ppl_new_BD_Shape_double_from_Octagonal_Shape_int8_t (ppl_BD_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.3.2.20 int ppl_new_BD_Shape_double_from_Octagonal_Shape_int16_t (ppl_BD_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.3.2.21 int ppl_new_BD_Shape_double_from_Octagonal_Shape_int32_t (ppl_BD_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.3.2.22 int ppl_new_BD_Shape_double_from_Octagonal_Shape_int64_t (ppl_BD_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.3.2.23 int ppl_new_BD_Shape_double_from_Octagonal_Shape_mpz_class (ppl_BD_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.3.2.24 int ppl_new_BD_Shape_double_from_Octagonal_Shape_mpq_class (ppl_BD_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.3.2.25 int ppl_new_BD_Shape_double_from_C_Polyhedron (ppl_BD_Shape_double_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.3.2.26 int ppl_new_BD_Shape_double_from_NNC_Polyhedron (ppl_BD_Shape_double_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.3.2.27 int ppl_new_BD_Shape_double_from_Grid (ppl_BD_Shape_double_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.3.2.28 int ppl_new_BD_Shape_double_from_Float_Box (ppl_BD_Shape_double_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.3.2.29 int ppl_new_BD_Shape_double_from_BD_Shape_float (ppl_BD_Shape_double_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.3.2.30 int ppl_new_BD_Shape_double_from_Octagonal_Shape_float (ppl_BD_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.3.2.31 int ppl_new_BD_Shape_double_from_Double_Box (ppl_BD_Shape_double_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.3.2.32 int ppl_new_BD_Shape_double_from_BD_Shape_double (ppl_BD_Shape_double_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.3.2.33 int ppl_new_BD_Shape_double_from_Octagonal_Shape_double (ppl_BD_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.3.2.34 int ppl_new_BD_Shape_double_from_Long_Double_Box (ppl_BD_Shape_double_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.3.2.35 int ppl_new_BD_Shape_double_from_BD_Shape_long_double (ppl_BD_Shape_double_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.3.2.36 int ppl_new_BD_Shape_double_from_Octagonal_Shape_long_double (ppl_BD_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.3.2.37 int ppl_new_BD_Shape_double_from_Int8_Box_with_complexity (ppl_BD_Shape_double_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.3.2.38 int ppl_new_BD_Shape_double_from_Int16_Box_with_complexity (ppl_BD_Shape_double_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.3.2.39 int ppl_new_BD_Shape_double_from_Int32_Box_with_complexity (ppl_BD_Shape_double_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.3.2.40 int ppl_new_BD_Shape_double_from_Int64_Box_with_complexity (ppl_BD_Shape_double_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.3.2.41 int ppl_new_BD_Shape_double_from_Uint8_Box_with_complexity (ppl_BD_Shape_double_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.3.2.42 int ppl_new_BD_Shape_double_from_Uint16_Box_with_complexity (ppl_BD_Shape_double_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.3.2.43 int ppl_new_BD_Shape_double_from_Uint32_Box_with_complexity (ppl_BD_Shape_double_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.3.2.44 int ppl_new_BD_Shape_double_from_Uint64_Box_with_complexity (ppl_BD_Shape_double_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.3.2.45 int ppl_new_BD_Shape_double_from_Z_Box_with_complexity (ppl_BD_Shape_double_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.3.2.46 int ppl_new_BD_Shape_double_from_Rational_Box_with_complexity (ppl_BD_Shape_double_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.3.2.47 int ppl_new_BD_Shape_double_from_BD_Shape_int8_t_with_complexity (ppl_BD_Shape_double_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.3.2.48 int ppl_new_BD_Shape_double_from_BD_Shape_int16_t_with_complexity (ppl_BD_Shape_double_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.3.2.49 int ppl_new_BD_Shape_double_from_BD_Shape_int32_t_with_complexity (ppl_BD_Shape_double_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.3.2.50 int ppl_new_BD_Shape_double_from_BD_Shape_int64_t_with_complexity (ppl_BD_Shape_double_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.3.2.51 int ppl_new_BD_Shape_double_from_BD_Shape_mpz_class_with_complexity (ppl_BD_Shape_double_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.3.2.52 int ppl_new_BD_Shape_double_from_BD_Shape_mpq_class_with_complexity (ppl_BD_Shape_double_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.3.2.53 int ppl_new_BD_Shape_double_from_Octagonal_Shape_int8_t_with_complexity (ppl_BD_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.3.2.54 int ppl_new_BD_Shape_double_from_Octagonal_Shape_int16_t_with_complexity (ppl_BD_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.3.2.55 int ppl_new_BD_Shape_double_from_Octagonal_Shape_int32_t_with_complexity (ppl_BD_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.3.2.56 int ppl_new_BD_Shape_double_from_Octagonal_Shape_int64_t_with_complexity (ppl_BD_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.3.2.57 int ppl_new_BD_Shape_double_from_Octagonal_Shape_mpz_class_with_complexity (ppl_BD_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.3.2.58 int ppl_new_BD_Shape_double_from_Octagonal_Shape_mpq_class_with_complexity (ppl_BD_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.3.2.59 int ppl_new_BD_Shape_double_from_C_Polyhedron_with_complexity (ppl_BD_Shape_double_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.3.2.60 int ppl_new_BD_Shape_double_from_NNC_Polyhedron_with_complexity (ppl_BD_Shape_double_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.3.2.61 int ppl_new_BD_Shape_double_from_Grid_with_complexity (ppl_BD_Shape_double_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.3.2.62 int ppl_new_BD_Shape_double_from_Float_Box_with_complexity (ppl_BD_Shape_double_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.3.2.63 int ppl_new_BD_Shape_double_from_BD_Shape_float_with_complexity (ppl_BD_Shape_double_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.3.2.64 int ppl_new_BD_Shape_double_from_Octagonal_Shape_float_with_complexity (ppl_BD_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.3.2.65 int ppl_new_BD_Shape_double_from_Double_Box_with_complexity (ppl_BD_Shape_double_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.3.2.66 int ppl_new_BD_Shape_double_from_BD_Shape_double_with_complexity (ppl_BD_Shape_double_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.3.2.67 int ppl_new_BD_Shape_double_from_Octagonal_Shape_double_with_complexity (ppl_BD_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.3.2.68 int ppl_new_BD_Shape_double_from_Long_Double_Box_with_complexity (ppl_BD_Shape_double_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.3.2.69 int ppl_new_BD_Shape_double_from_BD_Shape_long_double_with_complexity (ppl_BD_Shape_double_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.3.2.70 int ppl_new_BD_Shape_double_from_Octagonal_Shape_long_double_with_complexity (ppl_BD_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.3.2.71 int ppl_new_BD_Shape_double_from_Constraint_System (ppl_BD_Shape_double_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.3.2.72 int ppl_new_BD_Shape_double_from_Congruence_System (ppl_BD_Shape_double_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.3.2.73 int ppl_new_BD_Shape_double_from_Generator_System (ppl_BD_Shape_double_t * *pph*, ppl_const_Generator_System_t *cs*) [related]

7.3.2.74 int ppl_BD_Shape_double_space_dimension (ppl_const_BD_Shape_double_t *ph*, ppl_dimension_type * *m*) [related]

7.3.2.75 int ppl_BD_Shape_double_affine_dimension (ppl_const_BD_Shape_double_t *ph*, ppl_dimension_type * *m*) [related]

7.3.2.76 int ppl_BD_Shape_double_relation_with_Constraint (ppl_const_BD_Shape_double_t *ph*, ppl_const_Constraint_t *c*) [related]

7.3.2.77 int ppl_BD_Shape_double_relation_with_Generator (ppl_const_BD_Shape_double_t *ph*, ppl_const_Generator_t *c*) [related]

7.3.2.78 int ppl_BD_Shape_double_relation_with_Congruence (ppl_const_BD_Shape_double_t *ph*, ppl_const_Congruence_t *c*) [related]

7.3.2.79 int ppl_BD_Shape_double_get_constraints (ppl_const_BD_Shape_double_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.3.2.80 int ppl_BD_Shape_double_get_congruences (ppl_const_BD_Shape_double_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.3.2.81 int ppl_BD_Shape_double_get_minimized_constraints (ppl_const_BD_Shape_double_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.3.2.82 int ppl_BD_Shape_double_get_minimized_congruences (ppl_const_BD_Shape_double_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.3.2.83 int ppl_BD_Shape_double_is_empty (ppl_const_BD_Shape_double_t *ph*) [related]

7.3.2.84 int ppl_BD_Shape_double_is_universe (ppl_const_BD_Shape_double_t *ph*) [related]

7.3.2.85 int ppl_BD_Shape_double_is_bounded (ppl_const_BD_Shape_double_t *ph*) [related]

7.3.2.86 int ppl_BD_Shape_double_contains_integer_point (ppl_const_BD_Shape_double_t *ph*) [related]

7.3.2.87 int ppl_BD_Shape_double_is_topologically_closed (ppl_const_BD_Shape_double_t *ph*) [related]

7.3.2.88 int ppl_BD_Shape_double_is_discrete (ppl_const_BD_Shape_double_t *ph*) [related]

7.3.2.89 int ppl_BD_Shape_double_topological_closure_assign (ppl_BD_Shape_double_t *ph*) [related]

7.3.2.90 int ppl_BD_Shape_double_bounds_from_above (ppl_const_BD_Shape_double_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.3.2.91 int ppl_BD_Shape_double_bounds_from_below (ppl_const_BD_Shape_double_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.3.2.92 int ppl_BD_Shape_double_maximize (ppl_const_BD_Shape_double_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.3.2.93 int ppl_BD_Shape_double_minimize (ppl_const_BD_Shape_double_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.3.2.94 int ppl_BD_Shape_double_maximize_with_point (ppl_const_BD_Shape_double_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.3.2.95 int ppl_BD_Shape_double_minimize_with_point (ppl_const_BD_Shape_double_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.3.2.96 int ppl_BD_Shape_double_frequency (ppl_const_BD_Shape_double_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_fn*, ppl_Coefficient_t *ext_fd*, ppl_Coefficient_t *ext_vn*, ppl_Coefficient_t *ext_vd*) [related]

7.3.2.97 int ppl_BD_Shape_double_contains_BD_Shape_double (ppl_const_BD_Shape_double_t *x*, ppl_const_BD_Shape_double_t *y*) [related]

7.3.2.98 int ppl_BD_Shape_double_strictly_contains_BD_Shape_double (ppl_const_BD_Shape_double_t *x*, ppl_const_BD_Shape_double_t *y*) [related]

7.3.2.99 int ppl_BD_Shape_double_is_disjoint_from_BD_Shape_double (ppl_const_BD_Shape_double_t *x*, ppl_const_BD_Shape_double_t *y*) [related]

7.3.2.100 int ppl_BD_Shape_double_equals_BD_Shape_double (ppl_const_BD_Shape_double_t *x*, ppl_const_BD_Shape_double_t *y*) [related]

7.3.2.101 int ppl_BD_Shape_double_OK (ppl_const_BD_Shape_double_t *ph*) [related]

7.3.2.102 int ppl_BD_Shape_double_add_constraint (ppl_BD_Shape_double_t *ph*, ppl_const_Constraint_t *c*) [related]

7.3.2.103 int ppl_BD_Shape_double_add_congruence (ppl_BD_Shape_double_t *ph*, ppl_const_Congruence_t *c*) [related]

7.3.2.104 int ppl_BD_Shape_double_add_constraints (ppl_BD_Shape_double_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.3.2.105 int ppl_BD_Shape_double_add_congruences (ppl_BD_Shape_double_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.3.2.106 int ppl_BD_Shape_double_refine_with_constraint (ppl_BD_Shape_double_t *ph*, ppl_const_Constraint_t *c*) [related]

7.3.2.107 int ppl_BD_Shape_double_refine_with_congruence (ppl_BD_Shape_double_t *ph*, ppl_const_Congruence_t *c*) [related]

7.3.2.108 int ppl_BD_Shape_double_refine_with_constraints (ppl_BD_Shape_double_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.3.2.109 int ppl_BD_Shape_double_refine_with_congruences (ppl_BD_Shape_double_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.3.2.110 int ppl_BD_Shape_double_intersection_assign (ppl_BD_Shape_double_t *x*, ppl_const_BD_Shape_double_t *y*) [related]

7.3.2.111 int ppl_BD_Shape_double_upper_bound_assign (ppl_BD_Shape_double_t *x*, ppl_const_BD_Shape_double_t *y*) [related]

7.3.2.112 int ppl_BD_Shape_double_difference_assign (ppl_BD_Shape_double_t *x*, ppl_const_BD_Shape_double_t *y*) [related]

7.3.2.113 int ppl_BD_Shape_double_concatenate_assign (ppl_BD_Shape_double_t *x*, ppl_const_BD_Shape_double_t *y*) [related]

7.3.2.114 int ppl_BD_Shape_double_time_elapse_assign (ppl_BD_Shape_double_t *x*, ppl_const_BD_Shape_double_t *y*) [related]

7.3.2.115 int ppl_BD_Shape_double_upper_bound_assign_if_exact (ppl_BD_Shape_double_t *x*, ppl_const_BD_Shape_double_t *y*) [related]

7.3.2.116 int ppl_BD_Shape_double_simplify_using_context_assign (ppl_BD_Shape_double_t *x*, ppl_const_BD_Shape_double_t *y*) [related]

7.3.2.117 int ppl_BD_Shape_double_constrains (ppl_BD_Shape_double_t *ph*, ppl_dimension_type *var*) [related]

7.3.2.118 int ppl_BD_Shape_double_unconstrain_space_dimension (ppl_BD_Shape_double_t *ph*, ppl_dimension_type *var*) [related]

7.3.2.119 int ppl_BD_Shape_double_unconstrain_space_dimensions (ppl_BD_Shape_double_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.3.2.120 int ppl_BD_Shape_double_affine_image (ppl_BD_Shape_double_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.3.2.121 int ppl_BD_Shape_double_affine_preimage (ppl_BD_Shape_double_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.3.2.122 int ppl_BD_Shape_double_bounded_affine_image (ppl_BD_Shape_double_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.3.2.123 int ppl_BD_Shape_double_bounded_affine_preimage (ppl_BD_Shape_double_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.3.2.124 int ppl_BD_Shape_double_generalized_affine_image (ppl_BD_Shape_double_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.3.2.125 int ppl_BD_Shape_double_generalized_affine_preimage (ppl_BD_Shape_double_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.3.2.126 int ppl_BD_Shape_double_generalized_affine_image_lhs_rhs (ppl_BD_Shape_double_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.3.2.127 int ppl_BD_Shape_double_generalized_affine_preimage_lhs_rhs (ppl_BD_Shape_double_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.3.2.128 int ppl_BD_Shape_double_add_space_dimensions_and_embed (ppl_BD_Shape_double_t *ph*, ppl_dimension_type *d*) [related]

7.3.2.129 int ppl_BD_Shape_double_add_space_dimensions_and_project (ppl_BD_Shape_double_t *ph*, ppl_dimension_type *d*) [related]

7.3.2.130 int ppl_BD_Shape_double_remove_space_dimensions (ppl_BD_Shape_double_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.3.2.131 int ppl_BD_Shape_double_remove_higher_space_dimensions (ppl_BD_Shape_double_t *ph*, ppl_dimension_type *d*) [related]

7.3.2.132 int ppl_BD_Shape_double_expand_space_dimension (ppl_BD_Shape_double_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.3.2.133 int ppl_BD_Shape_double_fold_space_dimensions (ppl_BD_Shape_double_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.3.2.134 int ppl_BD_Shape_double_map_space_dimensions (ppl_BD_Shape_double_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.3.2.135 int ppl_BD_Shape_double_drop_some_non_integer_points (ppl_BD_Shape_double_t *ph*, int *complexity*) [related]

7.3.2.136 int ppl_BD_Shape_double_drop_some_non_integer_points_2 (ppl_BD_Shape_double_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.3.2.137 int ppl_BD_Shape_double_external_memory_in_bytes (ppl_const_BD_Shape_double_t *ps*, size_t * *sz*) [related]

7.3.2.138 int ppl_BD_Shape_double_total_memory_in_bytes (ppl_const_BD_Shape_double_t *ps*, size_t * *sz*) [related]

7.3.2.139 int ppl_BD_Shape_double_BHMZ05_widening_assign_with_tokens (ppl_BD_Shape_double_t *x*, ppl_const_BD_Shape_double_t *y*, unsigned * *tp*) [related]

7.3.2.140 int ppl_BD_Shape_double_H79_widening_assign_with_tokens (ppl_BD_Shape_double_t *x*, ppl_const_BD_Shape_double_t *y*, unsigned * *tp*) [related]

7.3.2.141 int ppl_BD_Shape_double_BHMZ05_widening_assign (ppl_BD_Shape_double_t *x*, ppl_const_BD_Shape_double_t *y*) [related]

7.3.2.142 int ppl_BD_Shape_double_H79_widening_assign (ppl_BD_Shape_double_t *x*, ppl_const_BD_Shape_double_t *y*) [related]

7.3.2.143 int ppl_BD_Shape_double_widening_assign_with_tokens (ppl_BD_Shape_double_t *x*, ppl_const_BD_Shape_double_t *y*, unsigned * *tp*) [related]

7.3.2.144 int ppl_BD_Shape_double_widening_assign (ppl_BD_Shape_double_t *x*, ppl_const_BD_Shape_double_t *y*) [related]

7.3.2.145 int ppl_BD_Shape_double_limited_BHMZ05_extrapolation_assign_with_tokens (ppl_BD_Shape_double_t *x*, ppl_const_BD_Shape_double_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.3.2.146 int ppl_BD_Shape_double_limited_H79_extrapolation_assign_with_tokens (ppl_BD_Shape_double_t *x*, ppl_const_BD_Shape_double_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.3.2.147 int ppl_BD_Shape_double_limited_CC76_extrapolation_assign_with_tokens (ppl_BD_Shape_double_t *x*, ppl_const_BD_Shape_double_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.3.2.148 int ppl_BD_Shape_double_limited_BHMZ05_extrapolation_assign (ppl_BD_Shape_double_t *x*, ppl_const_BD_Shape_double_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.3.2.149 int ppl_BD_Shape_double_limited_H79_extrapolation_assign (ppl_BD_Shape_double_t *x*, ppl_const_BD_Shape_double_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.3.2.150 int ppl_BD_Shape_double_limited_CC76_extrapolation_assign (ppl_BD_Shape_-double_t *x*, ppl_const_BD_Shape_double_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.3.2.151 int ppl_BD_Shape_double_CC76_extrapolation_assign_with_tokens (ppl_BD_Shape_double_t *x*, ppl_const_BD_Shape_double_t *y*, unsigned * *tp*) [related]

7.3.2.152 int ppl_BD_Shape_double_CC76_extrapolation_assign (ppl_BD_Shape_double_t *x*, ppl_const_BD_Shape_double_t *y*) [related]

7.3.2.153 int ppl_BD_Shape_double_CC76_narrowing_assign (ppl_BD_Shape_double_t *x*, ppl_const_BD_Shape_double_t *y*) [related]

7.3.2.154 int ppl_BD_Shape_double_linear_partition (ppl_const_BD_Shape_double_t *x*, ppl_const_BD_Shape_double_t *y*, ppl_BD_Shape_double_t * *p_inters*, ppl_Pointset_Powerset_NNC_Polyhedron_t * *p_rest*) [related]

7.3.2.155 int ppl_BD_Shape_double_wrap_assign (ppl_BD_Shape_double_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, enum ppl_enum_Bounded_Integer_Type_Width *w*, enum ppl_enum_Bounded_Integer_Type_Representation *r*, enum ppl_enum_Bounded_Integer_Type_Overflow *o*, const ppl_const_Constraint_System_t * *pcs*, unsigned *complexity_threshold*, int *wrap_individually*) [related]

7.3.2.156 int ppl_new_BD_Shape_double_recycle_Constraint_System (ppl_BD_Shape_double_t * *pph*, ppl_Constraint_System_t *cs*) [related]

7.3.2.157 int ppl_new_BD_Shape_double_recycle_Congruence_System (ppl_BD_Shape_double_t * *pph*, ppl_Congruence_System_t *cs*) [related]

7.3.2.158 int ppl_new_BD_Shape_double_recycle_Generator_System (ppl_BD_Shape_double_t * *pph*, ppl_Generator_System_t *cs*) [related]

7.3.2.159 int ppl_assign_BD_Shape_double_from_BD_Shape_double (ppl_BD_Shape_double_t *dst*, ppl_const_BD_Shape_double_t *src*) [related]

7.3.2.160 int ppl_BD_Shape_double_add_recycled_constraints (ppl_BD_Shape_double_t *ph*, ppl_Constraint_System_t *cs*) [related]

7.3.2.161 int ppl_BD_Shape_double_add_recycled_congruences (ppl_BD_Shape_double_t *ph*, ppl_Congruence_System_t *cs*) [related]

7.3.2.162 int ppl_termination_test_MS_BD_Shape_double (ppl_const_BD_Shape_double_t *pset*) [related]

7.3.2.163 int ppl_termination_test_PR_BD_Shape_double (ppl_const_BD_Shape_double_t *pset*) [related]

7.3.2.164 int ppl_one_affine_ranking_function_MS_BD_Shape_double (ppl_const_BD_Shape_double_t *pset*, ppl_Generator_t *point*) [related]

7.3.2.165 int ppl_one_affine_ranking_function_PR_BD_Shape_double (ppl_const_BD_Shape_double_t *pset*, ppl_Generator_t *point*) [related]

7.3.2.166 int ppl_all_affine_ranking_functions_MS_BD_Shape_double (ppl_const_BD_Shape_double_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.3.2.167 int ppl_all_affine_ranking_functions_PR_BD_Shape_double (ppl_const_BD_Shape_double_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.3.2.168 int ppl_termination_test_MS_BD_Shape_double_2 (ppl_const_BD_Shape_double_t *pset_before*, ppl_const_BD_Shape_double_t *pset_after*) [related]

7.3.2.169 int ppl_termination_test_PR_BD_Shape_double_2 (ppl_const_BD_Shape_double_t *pset_before*, ppl_const_BD_Shape_double_t *pset_after*) [related]

7.3.2.170 int ppl_one_affine_ranking_function_MS_BD_Shape_double_2 (ppl_const_BD_Shape_-double_t *pset_before*, ppl_const_BD_Shape_double_t *pset_after*, ppl_Generator_t *point*) [related]

7.3.2.171 int ppl_one_affine_ranking_function_PR_BD_Shape_double_2 (ppl_const_BD_Shape_-double_t *pset_before*, ppl_const_BD_Shape_double_t *pset_after*, ppl_Generator_t *point*) [related]

7.3.2.172 int ppl_all_affine_ranking_functions_MS_BD_Shape_double_2 (ppl_const_BD_Shape_-double_t *pset_before*, ppl_const_BD_Shape_double_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.3.2.173 int ppl_all_affine_ranking_functions_PR_BD_Shape_double_2 (ppl_const_BD_Shape_-double_t *pset_before*, ppl_const_BD_Shape_double_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.3.2.174 int ppl_io_print_BD_Shape_double (ppl_const_BD_Shape_double_t *x*) [related]

7.3.2.175 int ppl_io_fprint_BD_Shape_double (FILE * *stream*, ppl_const_BD_Shape_double_t *x*) [related]

7.3.2.176 int ppl_io_asprint_BD_Shape_double (char ** *strp*, ppl_const_BD_Shape_double_t *x*) [related]

7.3.2.177 int ppl_BD_Shape_double_ascii_dump (ppl_const_BD_Shape_double_t *x*, FILE * *stream*) [related]

7.3.2.178 int ppl_BD_Shape_double_ascii_load (ppl_BD_Shape_double_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.4 ppl_BD_Shape_float_tag Interface Reference

Types and functions for ppl_BD_Shape_float_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_BD_Shape_float (ppl_const_BD_Shape_float_t ph)
- int ppl_new_BD_Shape_float_from_space_dimension (ppl_BD_Shape_float_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_BD_Shape_float_from_Int8_Box (ppl_BD_Shape_float_t *pph, ppl_const_Int8_Box_t ph)
- int ppl_new_BD_Shape_float_from_Int16_Box (ppl_BD_Shape_float_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_BD_Shape_float_from_Int32_Box (ppl_BD_Shape_float_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_BD_Shape_float_from_Int64_Box (ppl_BD_Shape_float_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_BD_Shape_float_from_Uint8_Box (ppl_BD_Shape_float_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_BD_Shape_float_from_Uint16_Box (ppl_BD_Shape_float_t *pph, ppl_const_Uint16_Box_t ph)
- int ppl_new_BD_Shape_float_from_Uint32_Box (ppl_BD_Shape_float_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_BD_Shape_float_from_Uint64_Box (ppl_BD_Shape_float_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_BD_Shape_float_from_Z_Box (ppl_BD_Shape_float_t *pph, ppl_const_Z_Box_t ph)
- int ppl_new_BD_Shape_float_from_Rational_Box (ppl_BD_Shape_float_t *pph, ppl_const_Rational_Box_t ph)

- int ppl_new_BD_Shape_float_from_BD_Shape_int8_t (ppl_BD_Shape_float_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_BD_Shape_float_from_BD_Shape_int16_t (ppl_BD_Shape_float_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_BD_Shape_float_from_BD_Shape_int32_t (ppl_BD_Shape_float_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_BD_Shape_float_from_BD_Shape_int64_t (ppl_BD_Shape_float_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_BD_Shape_float_from_BD_Shape_mpz_class (ppl_BD_Shape_float_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_BD_Shape_float_from_BD_Shape_mpq_class (ppl_BD_Shape_float_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_BD_Shape_float_from_Octagonal_Shape_int8_t (ppl_BD_Shape_float_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_BD_Shape_float_from_Octagonal_Shape_int16_t (ppl_BD_Shape_float_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_BD_Shape_float_from_Octagonal_Shape_int32_t (ppl_BD_Shape_float_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_BD_Shape_float_from_Octagonal_Shape_int64_t (ppl_BD_Shape_float_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_BD_Shape_float_from_Octagonal_Shape_mpz_class (ppl_BD_Shape_float_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_BD_Shape_float_from_Octagonal_Shape_mpq_class (ppl_BD_Shape_float_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_BD_Shape_float_from_C_Polyhedron (ppl_BD_Shape_float_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_BD_Shape_float_from_NNC_Polyhedron (ppl_BD_Shape_float_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_BD_Shape_float_from_Grid (ppl_BD_Shape_float_t *pph, ppl_const_Grid_t ph)
- int ppl_new_BD_Shape_float_from_Float_Box (ppl_BD_Shape_float_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_BD_Shape_float_from_BD_Shape_float (ppl_BD_Shape_float_t *pph, ppl_const_BD_Shape_float_t ph)
- int ppl_new_BD_Shape_float_from_Octagonal_Shape_float (ppl_BD_Shape_float_t *pph, ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_BD_Shape_float_from_Double_Box (ppl_BD_Shape_float_t *pph, ppl_const_Double_Box_t ph)
- int ppl_new_BD_Shape_float_from_BD_Shape_double (ppl_BD_Shape_float_t *pph, ppl_const_BD_Shape_double_t ph)
- int ppl_new_BD_Shape_float_from_Octagonal_Shape_double (ppl_BD_Shape_float_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_BD_Shape_float_from_Long_Double_Box (ppl_BD_Shape_float_t *pph, ppl_const_Long_Double_Box_t ph)
- int ppl_new_BD_Shape_float_from_BD_Shape_long_double (ppl_BD_Shape_float_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_BD_Shape_float_from_Octagonal_Shape_long_double (ppl_BD_Shape_float_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_BD_Shape_float_from_Int8_Box_with_complexity (ppl_BD_Shape_float_t *pph, ppl_const_Int8_Box_t ph, int complexity)
- int ppl_new_BD_Shape_float_from_Int16_Box_with_complexity (ppl_BD_Shape_float_t *pph, ppl_const_Int16_Box_t ph, int complexity)

- int ppl_new_BD_Shape_float_from_Int32_Box_with_complexity (ppl_BD_Shape_float_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_BD_Shape_float_from_Int64_Box_with_complexity (ppl_BD_Shape_float_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_BD_Shape_float_from_Uint8_Box_with_complexity (ppl_BD_Shape_float_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_BD_Shape_float_from_Uint16_Box_with_complexity (ppl_BD_Shape_float_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_BD_Shape_float_from_Uint32_Box_with_complexity (ppl_BD_Shape_float_t *pph, ppl_const_Uint32_Box_t ph, int complexity)
- int ppl_new_BD_Shape_float_from_Uint64_Box_with_complexity (ppl_BD_Shape_float_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_BD_Shape_float_from_Z_Box_with_complexity (ppl_BD_Shape_float_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_BD_Shape_float_from_Rational_Box_with_complexity (ppl_BD_Shape_float_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_BD_Shape_float_from_BD_Shape_int8_t_with_complexity (ppl_BD_Shape_float_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)
- int ppl_new_BD_Shape_float_from_BD_Shape_int16_t_with_complexity (ppl_BD_Shape_float_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_BD_Shape_float_from_BD_Shape_int32_t_with_complexity (ppl_BD_Shape_float_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_BD_Shape_float_from_BD_Shape_int64_t_with_complexity (ppl_BD_Shape_float_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_BD_Shape_float_from_BD_Shape_mpz_class_with_complexity (ppl_BD_Shape_float_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_BD_Shape_float_from_BD_Shape_mpq_class_with_complexity (ppl_BD_Shape_float_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_BD_Shape_float_from_Octagonal_Shape_int8_t_with_complexity (ppl_BD_Shape_float_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_BD_Shape_float_from_Octagonal_Shape_int16_t_with_complexity (ppl_BD_Shape_float_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_BD_Shape_float_from_Octagonal_Shape_int32_t_with_complexity (ppl_BD_Shape_float_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_BD_Shape_float_from_Octagonal_Shape_int64_t_with_complexity (ppl_BD_Shape_float_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_new_BD_Shape_float_from_Octagonal_Shape_mpz_class_with_complexity (ppl_BD_Shape_float_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_BD_Shape_float_from_Octagonal_Shape_mpq_class_with_complexity (ppl_BD_Shape_float_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_BD_Shape_float_from_C_Polyhedron_with_complexity (ppl_BD_Shape_float_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_BD_Shape_float_from_NNC_Polyhedron_with_complexity (ppl_BD_Shape_float_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_BD_Shape_float_from_Grid_with_complexity (ppl_BD_Shape_float_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_BD_Shape_float_from_Float_Box_with_complexity (ppl_BD_Shape_float_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_BD_Shape_float_from_BD_Shape_float_with_complexity (ppl_BD_Shape_float_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)
- int ppl_new_BD_Shape_float_from_Octagonal_Shape_float_with_complexity (ppl_BD_Shape_float_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)

- int ppl_new_BD_Shape_float_from_Double_Box_with_complexity (ppl_BD_Shape_float_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_BD_Shape_float_from_BD_Shape_double_with_complexity (ppl_BD_Shape_float_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_BD_Shape_float_from_Octagonal_Shape_double_with_complexity (ppl_BD_Shape_float_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_BD_Shape_float_from_Long_Double_Box_with_complexity (ppl_BD_Shape_float_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_BD_Shape_float_from_BD_Shape_long_double_with_complexity (ppl_BD_Shape_float_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_BD_Shape_float_from_Octagonal_Shape_long_double_with_complexity (ppl_BD_Shape_float_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_BD_Shape_float_from_Constraint_System (ppl_BD_Shape_float_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_BD_Shape_float_from_Congruence_System (ppl_BD_Shape_float_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_new_BD_Shape_float_from_Generator_System (ppl_BD_Shape_float_t *pph, ppl_const_Generator_System_t cs)
- int ppl_BD_Shape_float_space_dimension (ppl_const_BD_Shape_float_t ph, ppl_dimension_type *m)
- int ppl_BD_Shape_float_affine_dimension (ppl_const_BD_Shape_float_t ph, ppl_dimension_type *m)
- int ppl_BD_Shape_float_relation_with_Constraint (ppl_const_BD_Shape_float_t ph, ppl_const_Constraint_t c)
- int ppl_BD_Shape_float_relation_with_Generator (ppl_const_BD_Shape_float_t ph, ppl_const_Generator_t c)
- int ppl_BD_Shape_float_relation_with_Congruence (ppl_const_BD_Shape_float_t ph, ppl_const_Congruence_t c)
- int ppl_BD_Shape_float_get_constraints (ppl_const_BD_Shape_float_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_BD_Shape_float_get_congruences (ppl_const_BD_Shape_float_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_BD_Shape_float_get_minimized_constraints (ppl_const_BD_Shape_float_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_BD_Shape_float_get_minimized_congruences (ppl_const_BD_Shape_float_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_BD_Shape_float_is_empty (ppl_const_BD_Shape_float_t ph)
- int ppl_BD_Shape_float_is_universe (ppl_const_BD_Shape_float_t ph)
- int ppl_BD_Shape_float_is_bounded (ppl_const_BD_Shape_float_t ph)
- int ppl_BD_Shape_float_contains_integer_point (ppl_const_BD_Shape_float_t ph)
- int ppl_BD_Shape_float_is_topologically_closed (ppl_const_BD_Shape_float_t ph)
- int ppl_BD_Shape_float_is_discrete (ppl_const_BD_Shape_float_t ph)
- int ppl_BD_Shape_float_topological_closure_assign (ppl_BD_Shape_float_t ph)
- int ppl_BD_Shape_float_bounds_from_above (ppl_const_BD_Shape_float_t ph, ppl_const_Linear_Expression_t le)
- int ppl_BD_Shape_float_bounds_from_below (ppl_const_BD_Shape_float_t ph, ppl_const_Linear_Expression_t le)
- int ppl_BD_Shape_float_maximize (ppl_const_BD_Shape_float_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_BD_Shape_float_minimize (ppl_const_BD_Shape_float_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)

- int ppl_BD_Shape_float_maximize_with_point (ppl_const_BD_Shape_float_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_BD_Shape_float_minimize_with_point (ppl_const_BD_Shape_float_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_BD_Shape_float_frequency (ppl_const_BD_Shape_float_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_fn, ppl_Coefficient_t ext_fd, ppl_Coefficient_t ext_vn, ppl_Coefficient_t ext_vd)
- int ppl_BD_Shape_float_contains_BD_Shape_float (ppl_const_BD_Shape_float_t x, ppl_const_BD_Shape_float_t y)
- int ppl_BD_Shape_float_strictly_contains_BD_Shape_float (ppl_const_BD_Shape_float_t x, ppl_const_BD_Shape_float_t y)
- int ppl_BD_Shape_float_is_disjoint_from_BD_Shape_float (ppl_const_BD_Shape_float_t x, ppl_const_BD_Shape_float_t y)
- int ppl_BD_Shape_float_equals_BD_Shape_float (ppl_const_BD_Shape_float_t x, ppl_const_BD_Shape_float_t y)
- int ppl_BD_Shape_float_OK (ppl_const_BD_Shape_float_t ph)
- int ppl_BD_Shape_float_add_constraint (ppl_BD_Shape_float_t ph, ppl_const_Constraint_t c)
- int ppl_BD_Shape_float_add_congruence (ppl_BD_Shape_float_t ph, ppl_const_Congruence_t c)
- int ppl_BD_Shape_float_add_constraints (ppl_BD_Shape_float_t ph, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_float_add_congruences (ppl_BD_Shape_float_t ph, ppl_const_Congruence_System_t cs)
- int ppl_BD_Shape_float_refine_with_constraint (ppl_BD_Shape_float_t ph, ppl_const_Constraint_t c)
- int ppl_BD_Shape_float_refine_with_congruence (ppl_BD_Shape_float_t ph, ppl_const_Congruence_t c)
- int ppl_BD_Shape_float_refine_with_constraints (ppl_BD_Shape_float_t ph, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_float_refine_with_congruences (ppl_BD_Shape_float_t ph, ppl_const_Congruence_System_t cs)
- int ppl_BD_Shape_float_intersection_assign (ppl_BD_Shape_float_t x, ppl_const_BD_Shape_float_t y)
- int ppl_BD_Shape_float_upper_bound_assign (ppl_BD_Shape_float_t x, ppl_const_BD_Shape_float_t y)
- int ppl_BD_Shape_float_difference_assign (ppl_BD_Shape_float_t x, ppl_const_BD_Shape_float_t y)
- int ppl_BD_Shape_float_concatenate_assign (ppl_BD_Shape_float_t x, ppl_const_BD_Shape_float_t y)
- int ppl_BD_Shape_float_time_elapse_assign (ppl_BD_Shape_float_t x, ppl_const_BD_Shape_float_t y)
- int ppl_BD_Shape_float_upper_bound_assign_if_exact (ppl_BD_Shape_float_t x, ppl_const_BD_Shape_float_t y)
- int ppl_BD_Shape_float_simplify_using_context_assign (ppl_BD_Shape_float_t x, ppl_const_BD_Shape_float_t y)
- int ppl_BD_Shape_float_constrains (ppl_BD_Shape_float_t ph, ppl_dimension_type var)
- int ppl_BD_Shape_float_unconstrain_space_dimension (ppl_BD_Shape_float_t ph, ppl_dimension_type var)
- int ppl_BD_Shape_float_unconstrain_space_dimensions (ppl_BD_Shape_float_t ph, ppl_dimension_type ds[ ], size_t n)

- int ppl_BD_Shape_float_affine_image (ppl_BD_Shape_float_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_float_affine_preimage (ppl_BD_Shape_float_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_float_bounded_affine_image (ppl_BD_Shape_float_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_float_bounded_affine_preimage (ppl_BD_Shape_float_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_float_generalized_affine_image (ppl_BD_Shape_float_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_float_generalized_affine_preimage (ppl_BD_Shape_float_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_float_generalized_affine_image_lhs_rhs (ppl_BD_Shape_float_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_BD_Shape_float_generalized_affine_preimage_lhs_rhs (ppl_BD_Shape_float_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_BD_Shape_float_add_space_dimensions_and_embed (ppl_BD_Shape_float_t ph, ppl_dimension_type d)
- int ppl_BD_Shape_float_add_space_dimensions_and_project (ppl_BD_Shape_float_t ph, ppl_dimension_type d)
- int ppl_BD_Shape_float_remove_space_dimensions (ppl_BD_Shape_float_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_BD_Shape_float_remove_higher_space_dimensions (ppl_BD_Shape_float_t ph, ppl_dimension_type d)
- int ppl_BD_Shape_float_expand_space_dimension (ppl_BD_Shape_float_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_BD_Shape_float_fold_space_dimensions (ppl_BD_Shape_float_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_BD_Shape_float_map_space_dimensions (ppl_BD_Shape_float_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_BD_Shape_float_drop_some_non_integer_points (ppl_BD_Shape_float_t ph, int complexity)
- int ppl_BD_Shape_float_drop_some_non_integer_points_2 (ppl_BD_Shape_float_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_BD_Shape_float_external_memory_in_bytes (ppl_const_BD_Shape_float_t ps, size_t *sz)
- int ppl_BD_Shape_float_total_memory_in_bytes (ppl_const_BD_Shape_float_t ps, size_t *sz)
- int ppl_BD_Shape_float_BHMZ05_widening_assign_with_tokens (ppl_BD_Shape_float_t x, ppl_const_BD_Shape_float_t y, unsigned *tp)
- int ppl_BD_Shape_float_H79_widening_assign_with_tokens (ppl_BD_Shape_float_t x, ppl_const_BD_Shape_float_t y, unsigned *tp)
- int ppl_BD_Shape_float_BHMZ05_widening_assign (ppl_BD_Shape_float_t x, ppl_const_BD_Shape_float_t y)
- int ppl_BD_Shape_float_H79_widening_assign (ppl_BD_Shape_float_t x, ppl_const_BD_Shape_float_t y)
- int ppl_BD_Shape_float_widening_assign_with_tokens (ppl_BD_Shape_float_t x, ppl_const_BD_Shape_float_t y, unsigned *tp)

- int ppl_BD_Shape_float_widening_assign (ppl_BD_Shape_float_t x, ppl_const_BD_Shape_float_t y)
- int ppl_BD_Shape_float_limited_BHMZ05_extrapolation_assign_with_tokens (ppl_BD_Shape_float_t x, ppl_const_BD_Shape_float_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_BD_Shape_float_limited_H79_extrapolation_assign_with_tokens (ppl_BD_Shape_float_t x, ppl_const_BD_Shape_float_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_BD_Shape_float_limited_CC76_extrapolation_assign_with_tokens (ppl_BD_Shape_float_t x, ppl_const_BD_Shape_float_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_BD_Shape_float_limited_BHMZ05_extrapolation_assign (ppl_BD_Shape_float_t x, ppl_const_BD_Shape_float_t y, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_float_limited_H79_extrapolation_assign (ppl_BD_Shape_float_t x, ppl_const_BD_Shape_float_t y, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_float_limited_CC76_extrapolation_assign (ppl_BD_Shape_float_t x, ppl_const_BD_Shape_float_t y, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_float_CC76_extrapolation_assign_with_tokens (ppl_BD_Shape_float_t x, ppl_const_BD_Shape_float_t y, unsigned *tp)
- int ppl_BD_Shape_float_CC76_extrapolation_assign (ppl_BD_Shape_float_t x, ppl_const_BD_Shape_float_t y)
- int ppl_BD_Shape_float_CC76_narrowing_assign (ppl_BD_Shape_float_t x, ppl_const_BD_Shape_float_t y)
- int ppl_BD_Shape_float_linear_partition (ppl_const_BD_Shape_float_t x, ppl_const_BD_Shape_float_t y, ppl_BD_Shape_float_t *p_inters, ppl_Pointset_Powerset_NNC_Polyhedron_t *p_rest)
- int ppl_BD_Shape_float_wrap_assign (ppl_BD_Shape_float_t ph, ppl_dimension_type ds[ ], size_t n, enum ppl_enum_Bounded_Integer_Type_Width w, enum ppl_enum_Bounded_Integer_Type_Representation r, enum ppl_enum_Bounded_Integer_Type_Overflow o, const ppl_const_Constraint_System_t *pcs, unsigned complexity_threshold, int wrap_individually)
- int ppl_new_BD_Shape_float_recycle_Constraint_System (ppl_BD_Shape_float_t *pph, ppl_Constraint_System_t cs)
- int ppl_new_BD_Shape_float_recycle_Congruence_System (ppl_BD_Shape_float_t *pph, ppl_Congruence_System_t cs)
- int ppl_new_BD_Shape_float_recycle_Generator_System (ppl_BD_Shape_float_t *pph, ppl_Generator_System_t cs)
- int ppl_assign_BD_Shape_float_from_BD_Shape_float (ppl_BD_Shape_float_t dst, ppl_const_BD_Shape_float_t src)
- int ppl_BD_Shape_float_add_recycled_constraints (ppl_BD_Shape_float_t ph, ppl_Constraint_System_t cs)
- int ppl_BD_Shape_float_add_recycled_congruences (ppl_BD_Shape_float_t ph, ppl_Congruence_System_t cs)
- int ppl_termination_test_MS_BD_Shape_float (ppl_const_BD_Shape_float_t pset)
- int ppl_termination_test_PR_BD_Shape_float (ppl_const_BD_Shape_float_t pset)
- int ppl_one_affine_ranking_function_MS_BD_Shape_float (ppl_const_BD_Shape_float_t pset, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_BD_Shape_float (ppl_const_BD_Shape_float_t pset, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_BD_Shape_float (ppl_const_BD_Shape_float_t pset, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_BD_Shape_float (ppl_const_BD_Shape_float_t pset, ppl_Polyhedron_t ph)
- int ppl_termination_test_MS_BD_Shape_float_2 (ppl_const_BD_Shape_float_t pset_before, ppl_const_BD_Shape_float_t pset_after)
- int ppl_termination_test_PR_BD_Shape_float_2 (ppl_const_BD_Shape_float_t pset_before, ppl_const_BD_Shape_float_t pset_after)

- int ppl_one_affine_ranking_function_MS_BD_Shape_float_2 (ppl_const_BD_Shape_float_t pset_-before, ppl_const_BD_Shape_float_t pset_after, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_BD_Shape_float_2 (ppl_const_BD_Shape_float_t pset_-before, ppl_const_BD_Shape_float_t pset_after, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_BD_Shape_float_2 (ppl_const_BD_Shape_float_t pset_-before, ppl_const_BD_Shape_float_t pset_after, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_BD_Shape_float_2 (ppl_const_BD_Shape_float_t pset_-before, ppl_const_BD_Shape_float_t pset_after, ppl_Polyhedron_t ph)
- int ppl_io_print_BD_Shape_float (ppl_const_BD_Shape_float_t x)
- int ppl_io_fprint_BD_Shape_float (FILE ∗stream, ppl_const_BD_Shape_float_t x)
- int ppl_io_asprint_BD_Shape_float (char ∗∗strp, ppl_const_BD_Shape_float_t x)
- int ppl_BD_Shape_float_ascii_dump (ppl_const_BD_Shape_float_t x, FILE ∗stream)
- int ppl_BD_Shape_float_ascii_load (ppl_BD_Shape_float_t x, FILE ∗stream)

7.4.1 Detailed Description

Types and functions for ppl_BD_Shape_float_tag.

7.4.2 Friends And Related Function Documentation

7.4.2.1 int ppl_delete_BD_Shape_float (ppl_const_BD_Shape_float_t *ph*) [related]

7.4.2.2 int ppl_new_BD_Shape_float_from_space_dimension (ppl_BD_Shape_float_t ∗ *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.4.2.3 int ppl_new_BD_Shape_float_from_Int8_Box (ppl_BD_Shape_float_t ∗ *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.4.2.4 int ppl_new_BD_Shape_float_from_Int16_Box (ppl_BD_Shape_float_t ∗ *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.4.2.5 int ppl_new_BD_Shape_float_from_Int32_Box (ppl_BD_Shape_float_t ∗ *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.4.2.6 int ppl_new_BD_Shape_float_from_Int64_Box (ppl_BD_Shape_float_t ∗ *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.4.2.7 int ppl_new_BD_Shape_float_from_Uint8_Box (ppl_BD_Shape_float_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.4.2.8 int ppl_new_BD_Shape_float_from_Uint16_Box (ppl_BD_Shape_float_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.4.2.9 int ppl_new_BD_Shape_float_from_Uint32_Box (ppl_BD_Shape_float_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.4.2.10 int ppl_new_BD_Shape_float_from_Uint64_Box (ppl_BD_Shape_float_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.4.2.11 int ppl_new_BD_Shape_float_from_Z_Box (ppl_BD_Shape_float_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.4.2.12 int ppl_new_BD_Shape_float_from_Rational_Box (ppl_BD_Shape_float_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.4.2.13 int ppl_new_BD_Shape_float_from_BD_Shape_int8_t (ppl_BD_Shape_float_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.4.2.14 int ppl_new_BD_Shape_float_from_BD_Shape_int16_t (ppl_BD_Shape_float_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.4.2.15 int ppl_new_BD_Shape_float_from_BD_Shape_int32_t (ppl_BD_Shape_float_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.4.2.16 int ppl_new_BD_Shape_float_from_BD_Shape_int64_t (ppl_BD_Shape_float_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.4.2.17 int ppl_new_BD_Shape_float_from_BD_Shape_mpz_class (ppl_BD_Shape_float_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.4.2.18 int ppl_new_BD_Shape_float_from_BD_Shape_mpq_class (ppl_BD_Shape_float_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.4.2.19 int ppl_new_BD_Shape_float_from_Octagonal_Shape_int8_t (ppl_BD_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.4.2.20 int ppl_new_BD_Shape_float_from_Octagonal_Shape_int16_t (ppl_BD_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.4.2.21 int ppl_new_BD_Shape_float_from_Octagonal_Shape_int32_t (ppl_BD_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.4.2.22 int ppl_new_BD_Shape_float_from_Octagonal_Shape_int64_t (ppl_BD_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.4.2.23 int ppl_new_BD_Shape_float_from_Octagonal_Shape_mpz_class (ppl_BD_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.4.2.24 int ppl_new_BD_Shape_float_from_Octagonal_Shape_mpq_class (ppl_BD_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.4.2.25 int ppl_new_BD_Shape_float_from_C_Polyhedron (ppl_BD_Shape_float_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.4.2.26 int ppl_new_BD_Shape_float_from_NNC_Polyhedron (ppl_BD_Shape_float_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.4.2.27 int ppl_new_BD_Shape_float_from_Grid (ppl_BD_Shape_float_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.4.2.28 int ppl_new_BD_Shape_float_from_Float_Box (ppl_BD_Shape_float_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.4.2.29 int ppl_new_BD_Shape_float_from_BD_Shape_float (ppl_BD_Shape_float_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.4.2.30 int ppl_new_BD_Shape_float_from_Octagonal_Shape_float (ppl_BD_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.4.2.31 int ppl_new_BD_Shape_float_from_Double_Box (ppl_BD_Shape_float_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.4.2.32 int ppl_new_BD_Shape_float_from_BD_Shape_double (ppl_BD_Shape_float_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.4.2.33 int ppl_new_BD_Shape_float_from_Octagonal_Shape_double (ppl_BD_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.4.2.34 int ppl_new_BD_Shape_float_from_Long_Double_Box (ppl_BD_Shape_float_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.4.2.35 int ppl_new_BD_Shape_float_from_BD_Shape_long_double (ppl_BD_Shape_float_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.4.2.36 int ppl_new_BD_Shape_float_from_Octagonal_Shape_long_double (ppl_BD_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.4.2.37 int ppl_new_BD_Shape_float_from_Int8_Box_with_complexity (ppl_BD_Shape_float_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.4.2.38 int ppl_new_BD_Shape_float_from_Int16_Box_with_complexity (ppl_BD_Shape_float_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.4.2.39 int ppl_new_BD_Shape_float_from_Int32_Box_with_complexity (ppl_BD_Shape_float_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.4.2.40 int ppl_new_BD_Shape_float_from_Int64_Box_with_complexity (ppl_BD_Shape_float_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.4.2.41 int ppl_new_BD_Shape_float_from_Uint8_Box_with_complexity (ppl_BD_Shape_float_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.4.2.42 int ppl_new_BD_Shape_float_from_Uint16_Box_with_complexity (ppl_BD_Shape_float_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.4.2.43 int ppl_new_BD_Shape_float_from_Uint32_Box_with_complexity (ppl_BD_Shape_float_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.4.2.44 int ppl_new_BD_Shape_float_from_Uint64_Box_with_complexity (ppl_BD_Shape_float_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.4.2.45 int ppl_new_BD_Shape_float_from_Z_Box_with_complexity (ppl_BD_Shape_float_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.4.2.46 int ppl_new_BD_Shape_float_from_Rational_Box_with_complexity (ppl_BD_Shape_float_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.4.2.47 int ppl_new_BD_Shape_float_from_BD_Shape_int8_t_with_complexity (ppl_BD_Shape_float_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.4.2.48 int ppl_new_BD_Shape_float_from_BD_Shape_int16_t_with_complexity (ppl_BD_Shape_float_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.4.2.49 int ppl_new_BD_Shape_float_from_BD_Shape_int32_t_with_complexity (ppl_BD_Shape_float_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.4.2.50 int ppl_new_BD_Shape_float_from_BD_Shape_int64_t_with_complexity (ppl_BD_Shape_float_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.4.2.51 int ppl_new_BD_Shape_float_from_BD_Shape_mpz_class_with_complexity (ppl_BD_Shape_float_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.4.2.52 int ppl_new_BD_Shape_float_from_BD_Shape_mpq_class_with_complexity (ppl_BD_Shape_float_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.4.2.53 int ppl_new_BD_Shape_float_from_Octagonal_Shape_int8_t_with_complexity (ppl_BD_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.4.2.54 int ppl_new_BD_Shape_float_from_Octagonal_Shape_int16_t_with_complexity (ppl_BD_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.4.2.55 int ppl_new_BD_Shape_float_from_Octagonal_Shape_int32_t_with_complexity (ppl_BD_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.4.2.56 int ppl_new_BD_Shape_float_from_Octagonal_Shape_int64_t_with_complexity (ppl_BD_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.4.2.57 int ppl_new_BD_Shape_float_from_Octagonal_Shape_mpz_class_with_complexity (ppl_BD_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.4.2.58 int ppl_new_BD_Shape_float_from_Octagonal_Shape_mpq_class_with_complexity (ppl_BD_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.4.2.59 int ppl_new_BD_Shape_float_from_C_Polyhedron_with_complexity (ppl_BD_Shape_float_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.4.2.60 int ppl_new_BD_Shape_float_from_NNC_Polyhedron_with_complexity (ppl_BD_Shape_float_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.4.2.61 int ppl_new_BD_Shape_float_from_Grid_with_complexity (ppl_BD_Shape_float_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.4.2.62 int ppl_new_BD_Shape_float_from_Float_Box_with_complexity (ppl_BD_Shape_float_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.4.2.63 int ppl_new_BD_Shape_float_from_BD_Shape_float_with_complexity (ppl_BD_Shape_float_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.4.2.64 int ppl_new_BD_Shape_float_from_Octagonal_Shape_float_with_complexity (ppl_BD_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.4.2.65 int ppl_new_BD_Shape_float_from_Double_Box_with_complexity (ppl_BD_Shape_float_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.4.2.66 int ppl_new_BD_Shape_float_from_BD_Shape_double_with_complexity (ppl_BD_Shape_float_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.4.2.67 int ppl_new_BD_Shape_float_from_Octagonal_Shape_double_with_complexity (ppl_BD_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.4.2.68 int ppl_new_BD_Shape_float_from_Long_Double_Box_with_complexity (ppl_BD_Shape_float_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.4.2.69 int ppl_new_BD_Shape_float_from_BD_Shape_long_double_with_complexity (ppl_BD_Shape_float_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.4.2.70 int ppl_new_BD_Shape_float_from_Octagonal_Shape_long_double_with_complexity (ppl_BD_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.4.2.71 int ppl_new_BD_Shape_float_from_Constraint_System (ppl_BD_Shape_float_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.4.2.72 int ppl_new_BD_Shape_float_from_Congruence_System (ppl_BD_Shape_float_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.4.2.73 int ppl_new_BD_Shape_float_from_Generator_System (ppl_BD_Shape_float_t * *pph*, ppl_const_Generator_System_t *cs*) [related]

7.4.2.74 int ppl_BD_Shape_float_space_dimension (ppl_const_BD_Shape_float_t *ph*, ppl_dimension_type * *m*) [related]

7.4.2.75 int ppl_BD_Shape_float_affine_dimension (ppl_const_BD_Shape_float_t *ph*, ppl_dimension_type * *m*) [related]

7.4.2.76 int ppl_BD_Shape_float_relation_with_Constraint (ppl_const_BD_Shape_float_t *ph*, ppl_const_Constraint_t *c*) [related]

7.4.2.77 int ppl_BD_Shape_float_relation_with_Generator (ppl_const_BD_Shape_float_t *ph*, ppl_const_Generator_t *c*) [related]

7.4.2.78 int ppl_BD_Shape_float_relation_with_Congruence (ppl_const_BD_Shape_float_t *ph*, ppl_const_Congruence_t *c*) [related]

7.4.2.79 int ppl_BD_Shape_float_get_constraints (ppl_const_BD_Shape_float_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.4.2.80 int ppl_BD_Shape_float_get_congruences (ppl_const_BD_Shape_float_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.4.2.81 int ppl_BD_Shape_float_get_minimized_constraints (ppl_const_BD_Shape_float_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.4.2.82 int ppl_BD_Shape_float_get_minimized_congruences (ppl_const_BD_Shape_float_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.4.2.83 int ppl_BD_Shape_float_is_empty (ppl_const_BD_Shape_float_t *ph*) [related]

7.4.2.84 int ppl_BD_Shape_float_is_universe (ppl_const_BD_Shape_float_t *ph*) [related]

7.4.2.85 int ppl_BD_Shape_float_is_bounded (ppl_const_BD_Shape_float_t *ph*) [related]

7.4.2.86 int ppl_BD_Shape_float_contains_integer_point (ppl_const_BD_Shape_float_t *ph*) [related]

7.4.2.87 int ppl_BD_Shape_float_is_topologically_closed (ppl_const_BD_Shape_float_t *ph*) [related]

7.4.2.88 int ppl_BD_Shape_float_is_discrete (ppl_const_BD_Shape_float_t *ph*) [related]

7.4.2.89 int ppl_BD_Shape_float_topological_closure_assign (ppl_BD_Shape_float_t *ph*) [related]

7.4.2.90 int ppl_BD_Shape_float_bounds_from_above (ppl_const_BD_Shape_float_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.4.2.91 int ppl_BD_Shape_float_bounds_from_below (ppl_const_BD_Shape_float_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.4.2.92 int ppl_BD_Shape_float_maximize (ppl_const_BD_Shape_float_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.4.2.93 int ppl_BD_Shape_float_minimize (ppl_const_BD_Shape_float_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.4.2.94 int ppl_BD_Shape_float_maximize_with_point (ppl_const_BD_Shape_float_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.4.2.95 int ppl_BD_Shape_float_minimize_with_point (ppl_const_BD_Shape_float_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.4.2.96 int ppl_BD_Shape_float_frequency (ppl_const_BD_Shape_float_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_fn*, ppl_Coefficient_t *ext_fd*, ppl_Coefficient_t *ext_vn*, ppl_Coefficient_t *ext_vd*) [related]

7.4.2.97 int ppl_BD_Shape_float_contains_BD_Shape_float (ppl_const_BD_Shape_float_t *x*, ppl_const_BD_Shape_float_t *y*) [related]

7.4.2.98 int ppl_BD_Shape_float_strictly_contains_BD_Shape_float (ppl_const_BD_Shape_float_t *x*, ppl_const_BD_Shape_float_t *y*) [related]

7.4.2.99 int ppl_BD_Shape_float_is_disjoint_from_BD_Shape_float (ppl_const_BD_Shape_float_t *x*, ppl_const_BD_Shape_float_t *y*) [related]

7.4.2.100 int ppl_BD_Shape_float_equals_BD_Shape_float (ppl_const_BD_Shape_float_t *x*, ppl_const_BD_Shape_float_t *y*) [related]

7.4.2.101 int ppl_BD_Shape_float_OK (ppl_const_BD_Shape_float_t *ph*) [related]

7.4.2.102 int ppl_BD_Shape_float_add_constraint (ppl_BD_Shape_float_t *ph*, ppl_const_Constraint_t *c*) [related]

7.4.2.103 int ppl_BD_Shape_float_add_congruence (ppl_BD_Shape_float_t *ph*, ppl_const_Congruence_t *c*) [related]

7.4.2.104 int ppl_BD_Shape_float_add_constraints (ppl_BD_Shape_float_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.4.2.105 int ppl_BD_Shape_float_add_congruences (ppl_BD_Shape_float_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.4.2.106 int ppl_BD_Shape_float_refine_with_constraint (ppl_BD_Shape_float_t *ph*, ppl_const_Constraint_t *c*) [related]

7.4.2.107 int ppl_BD_Shape_float_refine_with_congruence (ppl_BD_Shape_float_t *ph*, ppl_const_Congruence_t *c*) [related]

7.4.2.108 int ppl_BD_Shape_float_refine_with_constraints (ppl_BD_Shape_float_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.4.2.109 int ppl_BD_Shape_float_refine_with_congruences (ppl_BD_Shape_float_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.4.2.110 int ppl_BD_Shape_float_intersection_assign (ppl_BD_Shape_float_t *x*, ppl_const_BD_Shape_float_t *y*) [related]

7.4.2.111 int ppl_BD_Shape_float_upper_bound_assign (ppl_BD_Shape_float_t *x*, ppl_const_BD_Shape_float_t *y*) [related]

7.4.2.112 int ppl_BD_Shape_float_difference_assign (ppl_BD_Shape_float_t *x*, ppl_const_BD_Shape_float_t *y*) [related]

7.4.2.113 int ppl_BD_Shape_float_concatenate_assign (ppl_BD_Shape_float_t *x*, ppl_const_BD_Shape_float_t *y*) [related]

7.4.2.114 int ppl_BD_Shape_float_time_elapse_assign (ppl_BD_Shape_float_t *x*, ppl_const_BD_Shape_float_t *y*) [related]

7.4.2.115 int ppl_BD_Shape_float_upper_bound_assign_if_exact (ppl_BD_Shape_float_t *x*, ppl_const_BD_Shape_float_t *y*) [related]

7.4.2.116 int ppl_BD_Shape_float_simplify_using_context_assign (ppl_BD_Shape_float_t *x*, ppl_const_BD_Shape_float_t *y*) [related]

7.4.2.117 int ppl_BD_Shape_float_constrains (ppl_BD_Shape_float_t *ph*, ppl_dimension_type *var*) [related]

7.4.2.118 int ppl_BD_Shape_float_unconstrain_space_dimension (ppl_BD_Shape_float_t *ph*, ppl_dimension_type *var*) [related]

7.4.2.119 int ppl_BD_Shape_float_unconstrain_space_dimensions (ppl_BD_Shape_float_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.4.2.120 int ppl_BD_Shape_float_affine_image (ppl_BD_Shape_float_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.4.2.121 int ppl_BD_Shape_float_affine_preimage (ppl_BD_Shape_float_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.4.2.122 int ppl_BD_Shape_float_bounded_affine_image (ppl_BD_Shape_float_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.4.2.123 int ppl_BD_Shape_float_bounded_affine_preimage (ppl_BD_Shape_float_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.4.2.124 int ppl_BD_Shape_float_generalized_affine_image (ppl_BD_Shape_float_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.4.2.125 int ppl_BD_Shape_float_generalized_affine_preimage (ppl_BD_Shape_float_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.4.2.126 int ppl_BD_Shape_float_generalized_affine_image_lhs_rhs (ppl_BD_Shape_float_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.4.2.127 int ppl_BD_Shape_float_generalized_affine_preimage_lhs_rhs (ppl_BD_Shape_float_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.4.2.128 int ppl_BD_Shape_float_add_space_dimensions_and_embed (ppl_BD_Shape_float_t *ph*, ppl_dimension_type *d*) [related]

7.4.2.129 int ppl_BD_Shape_float_add_space_dimensions_and_project (ppl_BD_Shape_float_t *ph*, ppl_dimension_type *d*) [related]

7.4.2.130 int ppl_BD_Shape_float_remove_space_dimensions (ppl_BD_Shape_float_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.4.2.131 int ppl_BD_Shape_float_remove_higher_space_dimensions (ppl_BD_Shape_float_t *ph*, ppl_dimension_type *d*) [related]

7.4.2.132 int ppl_BD_Shape_float_expand_space_dimension (ppl_BD_Shape_float_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.4.2.133 int ppl_BD_Shape_float_fold_space_dimensions (ppl_BD_Shape_float_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.4.2.134 int ppl_BD_Shape_float_map_space_dimensions (ppl_BD_Shape_float_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.4.2.135 int ppl_BD_Shape_float_drop_some_non_integer_points (ppl_BD_Shape_float_t *ph*, int *complexity*) [related]

7.4.2.136 int ppl_BD_Shape_float_drop_some_non_integer_points_2 (ppl_BD_Shape_float_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.4.2.137 int ppl_BD_Shape_float_external_memory_in_bytes (ppl_const_BD_Shape_float_t *ps*, size_t * *sz*) [related]

7.4.2.138 int ppl_BD_Shape_float_total_memory_in_bytes (ppl_const_BD_Shape_float_t *ps*, size_t * *sz*) [related]

7.4.2.139 int ppl_BD_Shape_float_BHMZ05_widening_assign_with_tokens (ppl_BD_Shape_float_t *x*, ppl_const_BD_Shape_float_t *y*, unsigned * *tp*) [related]

7.4.2.140 int ppl_BD_Shape_float_H79_widening_assign_with_tokens (ppl_BD_Shape_float_t *x*, ppl_const_BD_Shape_float_t *y*, unsigned * *tp*) [related]

7.4.2.141 int ppl_BD_Shape_float_BHMZ05_widening_assign (ppl_BD_Shape_float_t *x*, ppl_const_BD_Shape_float_t *y*) [related]

7.4.2.142 int ppl_BD_Shape_float_H79_widening_assign (ppl_BD_Shape_float_t *x*, ppl_const_BD_Shape_float_t *y*) [related]

7.4.2.143 int ppl_BD_Shape_float_widening_assign_with_tokens (ppl_BD_Shape_float_t *x*, ppl_const_BD_Shape_float_t *y*, unsigned * *tp*) [related]

7.4.2.144 int ppl_BD_Shape_float_widening_assign (ppl_BD_Shape_float_t *x*, ppl_const_BD_Shape_float_t *y*) [related]

7.4.2.145 int ppl_BD_Shape_float_limited_BHMZ05_extrapolation_assign_with_tokens (ppl_BD_Shape_float_t *x*, ppl_const_BD_Shape_float_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.4.2.146 int ppl_BD_Shape_float_limited_H79_extrapolation_assign_with_tokens (ppl_BD_Shape_float_t *x*, ppl_const_BD_Shape_float_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.4.2.147 int ppl_BD_Shape_float_limited_CC76_extrapolation_assign_with_tokens (ppl_BD_Shape_float_t *x*, ppl_const_BD_Shape_float_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.4.2.148 int ppl_BD_Shape_float_limited_BHMZ05_extrapolation_assign (ppl_BD_Shape_float_t *x*, ppl_const_BD_Shape_float_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.4.2.149 int ppl_BD_Shape_float_limited_H79_extrapolation_assign (ppl_BD_Shape_float_t *x*, ppl_const_BD_Shape_float_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.4.2.150 int ppl_BD_Shape_float_limited_CC76_extrapolation_assign (ppl_BD_Shape_float_t *x*, ppl_const_BD_Shape_float_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.4.2.151 int ppl_BD_Shape_float_CC76_extrapolation_assign_with_tokens (ppl_BD_Shape_float_t *x*, ppl_const_BD_Shape_float_t *y*, unsigned * *tp*) [related]

7.4.2.152 int ppl_BD_Shape_float_CC76_extrapolation_assign (ppl_BD_Shape_float_t *x*, ppl_const_BD_Shape_float_t *y*) [related]

7.4.2.153 int ppl_BD_Shape_float_CC76_narrowing_assign (ppl_BD_Shape_float_t *x*, ppl_const_BD_Shape_float_t *y*) [related]

7.4.2.154 int ppl_BD_Shape_float_linear_partition (ppl_const_BD_Shape_float_t *x*, ppl_const_BD_Shape_float_t *y*, ppl_BD_Shape_float_t * *p_inters*, ppl_Pointset_Powerset_NNC_Polyhedron_t * *p_rest*) [related]

7.4.2.155 int ppl_BD_Shape_float_wrap_assign (ppl_BD_Shape_float_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, enum ppl_enum_Bounded_Integer_Type_Width *w*, enum ppl_enum_Bounded_Integer_Type_Representation *r*, enum ppl_enum_Bounded_Integer_Type_Overflow *o*, const ppl_const_Constraint_System_t * *pcs*, unsigned *complexity_threshold*, int *wrap_individually*) [related]

7.4.2.156 int ppl_new_BD_Shape_float_recycle_Constraint_System (ppl_BD_Shape_float_t * *pph*, ppl_Constraint_System_t *cs*) [related]

7.4.2.157 int ppl_new_BD_Shape_float_recycle_Congruence_System (ppl_BD_Shape_float_t * *pph*, ppl_Congruence_System_t *cs*) [related]

7.4.2.158 int ppl_new_BD_Shape_float_recycle_Generator_System (ppl_BD_Shape_float_t * *pph*, ppl_Generator_System_t *cs*) [related]

7.4.2.159 int ppl_assign_BD_Shape_float_from_BD_Shape_float (ppl_BD_Shape_float_t *dst*, ppl_const_BD_Shape_float_t *src*) [related]

7.4.2.160 int ppl_BD_Shape_float_add_recycled_constraints (ppl_BD_Shape_float_t *ph*, ppl_Constraint_System_t *cs*) [related]

7.4.2.161 int ppl_BD_Shape_float_add_recycled_congruences (ppl_BD_Shape_float_t *ph*, ppl_Congruence_System_t *cs*) [related]

7.4.2.162 int ppl_termination_test_MS_BD_Shape_float (ppl_const_BD_Shape_float_t *pset*) [related]

7.4.2.163 int ppl_termination_test_PR_BD_Shape_float (ppl_const_BD_Shape_float_t *pset*) [related]

7.4.2.164 int ppl_one_affine_ranking_function_MS_BD_Shape_float (ppl_const_BD_Shape_float_t *pset*, ppl_Generator_t *point*) [related]

7.4.2.165 int ppl_one_affine_ranking_function_PR_BD_Shape_float (ppl_const_BD_Shape_float_t *pset*, ppl_Generator_t *point*) [related]

7.4.2.166 int ppl_all_affine_ranking_functions_MS_BD_Shape_float (ppl_const_BD_Shape_float_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.4.2.167 int ppl_all_affine_ranking_functions_PR_BD_Shape_float (ppl_const_BD_Shape_float_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.4.2.168 int ppl_termination_test_MS_BD_Shape_float_2 (ppl_const_BD_Shape_float_t *pset_before*, ppl_const_BD_Shape_float_t *pset_after*) [related]

7.4.2.169 int ppl_termination_test_PR_BD_Shape_float_2 (ppl_const_BD_Shape_float_t *pset_before*, ppl_const_BD_Shape_float_t *pset_after*) [related]

7.4.2.170 int ppl_one_affine_ranking_function_MS_BD_Shape_float_2 (ppl_const_BD_Shape_float_t *pset_before*, ppl_const_BD_Shape_float_t *pset_after*, ppl_Generator_t *point*) [related]

7.4.2.171 int ppl_one_affine_ranking_function_PR_BD_Shape_float_2 (ppl_const_BD_Shape_float_t *pset_before*, ppl_const_BD_Shape_float_t *pset_after*, ppl_Generator_t *point*) [related]

7.4.2.172 int ppl_all_affine_ranking_functions_MS_BD_Shape_float_2 (ppl_const_BD_Shape_float_t *pset_before*, ppl_const_BD_Shape_float_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.4.2.173 int ppl_all_affine_ranking_functions_PR_BD_Shape_float_2 (ppl_const_BD_Shape_float_t *pset_before*, ppl_const_BD_Shape_float_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.4.2.174 int ppl_io_print_BD_Shape_float (ppl_const_BD_Shape_float_t *x*) [related]

7.4.2.175 int ppl_io_fprint_BD_Shape_float (FILE * *stream*, ppl_const_BD_Shape_float_t *x*) [related]

7.4.2.176 int ppl_io_asprint_BD_Shape_float (char ** *strp*, ppl_const_BD_Shape_float_t *x*) [related]

7.4.2.177 int ppl_BD_Shape_float_ascii_dump (ppl_const_BD_Shape_float_t *x*, FILE * *stream*) [related]

7.4.2.178 int ppl_BD_Shape_float_ascii_load (ppl_BD_Shape_float_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.5 ppl_BD_Shape_int16_t_tag Interface Reference

Types and functions for ppl_BD_Shape_int16_t_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_BD_Shape_int16_t (ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_BD_Shape_int16_t_from_space_dimension (ppl_BD_Shape_int16_t_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_BD_Shape_int16_t_from_Int8_Box (ppl_BD_Shape_int16_t_t *pph, ppl_const_Int8_Box_t ph)
- int ppl_new_BD_Shape_int16_t_from_Int16_Box (ppl_BD_Shape_int16_t_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_BD_Shape_int16_t_from_Int32_Box (ppl_BD_Shape_int16_t_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_BD_Shape_int16_t_from_Int64_Box (ppl_BD_Shape_int16_t_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_BD_Shape_int16_t_from_Uint8_Box (ppl_BD_Shape_int16_t_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_BD_Shape_int16_t_from_Uint16_Box (ppl_BD_Shape_int16_t_t *pph, ppl_const_Uint16_Box_t ph)

- int ppl_new_BD_Shape_int16_t_from_Uint32_Box (ppl_BD_Shape_int16_t_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_BD_Shape_int16_t_from_Uint64_Box (ppl_BD_Shape_int16_t_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_BD_Shape_int16_t_from_Z_Box (ppl_BD_Shape_int16_t_t *pph, ppl_const_Z_Box_t ph)
- int ppl_new_BD_Shape_int16_t_from_Rational_Box (ppl_BD_Shape_int16_t_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_BD_Shape_int16_t_from_BD_Shape_int8_t (ppl_BD_Shape_int16_t_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_BD_Shape_int16_t_from_BD_Shape_int16_t (ppl_BD_Shape_int16_t_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_BD_Shape_int16_t_from_BD_Shape_int32_t (ppl_BD_Shape_int16_t_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_BD_Shape_int16_t_from_BD_Shape_int64_t (ppl_BD_Shape_int16_t_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_BD_Shape_int16_t_from_BD_Shape_mpz_class (ppl_BD_Shape_int16_t_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_BD_Shape_int16_t_from_BD_Shape_mpq_class (ppl_BD_Shape_int16_t_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_BD_Shape_int16_t_from_Octagonal_Shape_int8_t (ppl_BD_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_BD_Shape_int16_t_from_Octagonal_Shape_int16_t (ppl_BD_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_BD_Shape_int16_t_from_Octagonal_Shape_int32_t (ppl_BD_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_BD_Shape_int16_t_from_Octagonal_Shape_int64_t (ppl_BD_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_BD_Shape_int16_t_from_Octagonal_Shape_mpz_class (ppl_BD_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_BD_Shape_int16_t_from_Octagonal_Shape_mpq_class (ppl_BD_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_BD_Shape_int16_t_from_C_Polyhedron (ppl_BD_Shape_int16_t_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_BD_Shape_int16_t_from_NNC_Polyhedron (ppl_BD_Shape_int16_t_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_BD_Shape_int16_t_from_Grid (ppl_BD_Shape_int16_t_t *pph, ppl_const_Grid_t ph)
- int ppl_new_BD_Shape_int16_t_from_Float_Box (ppl_BD_Shape_int16_t_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_BD_Shape_int16_t_from_BD_Shape_float (ppl_BD_Shape_int16_t_t *pph, ppl_const_BD_Shape_float_t ph)
- int ppl_new_BD_Shape_int16_t_from_Octagonal_Shape_float (ppl_BD_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_BD_Shape_int16_t_from_Double_Box (ppl_BD_Shape_int16_t_t *pph, ppl_const_Double_Box_t ph)
- int ppl_new_BD_Shape_int16_t_from_BD_Shape_double (ppl_BD_Shape_int16_t_t *pph, ppl_const_BD_Shape_double_t ph)
- int ppl_new_BD_Shape_int16_t_from_Octagonal_Shape_double (ppl_BD_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_BD_Shape_int16_t_from_Long_Double_Box (ppl_BD_Shape_int16_t_t *pph, ppl_const_Long_Double_Box_t ph)

- int ppl_new_BD_Shape_int16_t_from_BD_Shape_long_double (ppl_BD_Shape_int16_t_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_BD_Shape_int16_t_from_Octagonal_Shape_long_double (ppl_BD_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_BD_Shape_int16_t_from_Int8_Box_with_complexity (ppl_BD_Shape_int16_t_t *pph, ppl_const_Int8_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int16_t_from_Int16_Box_with_complexity (ppl_BD_Shape_int16_t_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int16_t_from_Int32_Box_with_complexity (ppl_BD_Shape_int16_t_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int16_t_from_Int64_Box_with_complexity (ppl_BD_Shape_int16_t_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int16_t_from_Uint8_Box_with_complexity (ppl_BD_Shape_int16_t_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int16_t_from_Uint16_Box_with_complexity (ppl_BD_Shape_int16_t_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int16_t_from_Uint32_Box_with_complexity (ppl_BD_Shape_int16_t_t *pph, ppl_const_Uint32_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int16_t_from_Uint64_Box_with_complexity (ppl_BD_Shape_int16_t_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int16_t_from_Z_Box_with_complexity (ppl_BD_Shape_int16_t_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int16_t_from_Rational_Box_with_complexity (ppl_BD_Shape_int16_t_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int16_t_from_BD_Shape_int8_t_with_complexity (ppl_BD_Shape_int16_t_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)
- int ppl_new_BD_Shape_int16_t_from_BD_Shape_int16_t_with_complexity (ppl_BD_Shape_int16_t_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_BD_Shape_int16_t_from_BD_Shape_int32_t_with_complexity (ppl_BD_Shape_int16_t_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_BD_Shape_int16_t_from_BD_Shape_int64_t_with_complexity (ppl_BD_Shape_int16_t_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_BD_Shape_int16_t_from_BD_Shape_mpz_class_with_complexity (ppl_BD_Shape_int16_t_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_BD_Shape_int16_t_from_BD_Shape_mpq_class_with_complexity (ppl_BD_Shape_int16_t_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_BD_Shape_int16_t_from_Octagonal_Shape_int8_t_with_complexity (ppl_BD_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_BD_Shape_int16_t_from_Octagonal_Shape_int16_t_with_complexity (ppl_BD_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_BD_Shape_int16_t_from_Octagonal_Shape_int32_t_with_complexity (ppl_BD_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_BD_Shape_int16_t_from_Octagonal_Shape_int64_t_with_complexity (ppl_BD_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_new_BD_Shape_int16_t_from_Octagonal_Shape_mpz_class_with_complexity (ppl_BD_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_BD_Shape_int16_t_from_Octagonal_Shape_mpq_class_with_complexity (ppl_BD_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_BD_Shape_int16_t_from_C_Polyhedron_with_complexity (ppl_BD_Shape_int16_t_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_BD_Shape_int16_t_from_NNC_Polyhedron_with_complexity (ppl_BD_Shape_int16_t_t *pph, ppl_const_Polyhedron_t ph, int complexity)

- int ppl_new_BD_Shape_int16_t_from_Grid_with_complexity (ppl_BD_Shape_int16_t_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_BD_Shape_int16_t_from_Float_Box_with_complexity (ppl_BD_Shape_int16_t_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int16_t_from_BD_Shape_float_with_complexity (ppl_BD_Shape_int16_t_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)
- int ppl_new_BD_Shape_int16_t_from_Octagonal_Shape_float_with_complexity (ppl_BD_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_BD_Shape_int16_t_from_Double_Box_with_complexity (ppl_BD_Shape_int16_t_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int16_t_from_BD_Shape_double_with_complexity (ppl_BD_Shape_int16_t_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_BD_Shape_int16_t_from_Octagonal_Shape_double_with_complexity (ppl_BD_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_BD_Shape_int16_t_from_Long_Double_Box_with_complexity (ppl_BD_Shape_int16_t_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int16_t_from_BD_Shape_long_double_with_complexity (ppl_BD_Shape_int16_t_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_BD_Shape_int16_t_from_Octagonal_Shape_long_double_with_complexity (ppl_BD_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_BD_Shape_int16_t_from_Constraint_System (ppl_BD_Shape_int16_t_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_BD_Shape_int16_t_from_Congruence_System (ppl_BD_Shape_int16_t_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_new_BD_Shape_int16_t_from_Generator_System (ppl_BD_Shape_int16_t_t *pph, ppl_const_Generator_System_t cs)
- int ppl_BD_Shape_int16_t_space_dimension (ppl_const_BD_Shape_int16_t_t ph, ppl_dimension_type *m)
- int ppl_BD_Shape_int16_t_affine_dimension (ppl_const_BD_Shape_int16_t_t ph, ppl_dimension_type *m)
- int ppl_BD_Shape_int16_t_relation_with_Constraint (ppl_const_BD_Shape_int16_t_t ph, ppl_const_Constraint_t c)
- int ppl_BD_Shape_int16_t_relation_with_Generator (ppl_const_BD_Shape_int16_t_t ph, ppl_const_Generator_t c)
- int ppl_BD_Shape_int16_t_relation_with_Congruence (ppl_const_BD_Shape_int16_t_t ph, ppl_const_Congruence_t c)
- int ppl_BD_Shape_int16_t_get_constraints (ppl_const_BD_Shape_int16_t_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_BD_Shape_int16_t_get_congruences (ppl_const_BD_Shape_int16_t_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_BD_Shape_int16_t_get_minimized_constraints (ppl_const_BD_Shape_int16_t_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_BD_Shape_int16_t_get_minimized_congruences (ppl_const_BD_Shape_int16_t_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_BD_Shape_int16_t_is_empty (ppl_const_BD_Shape_int16_t_t ph)
- int ppl_BD_Shape_int16_t_is_universe (ppl_const_BD_Shape_int16_t_t ph)
- int ppl_BD_Shape_int16_t_is_bounded (ppl_const_BD_Shape_int16_t_t ph)
- int ppl_BD_Shape_int16_t_contains_integer_point (ppl_const_BD_Shape_int16_t_t ph)
- int ppl_BD_Shape_int16_t_is_topologically_closed (ppl_const_BD_Shape_int16_t_t ph)
- int ppl_BD_Shape_int16_t_is_discrete (ppl_const_BD_Shape_int16_t_t ph)
- int ppl_BD_Shape_int16_t_topological_closure_assign (ppl_BD_Shape_int16_t_t ph)

- int ppl_BD_Shape_int16_t_bounds_from_above (ppl_const_BD_Shape_int16_t_t ph, ppl_const_Linear_Expression_t le)
- int ppl_BD_Shape_int16_t_bounds_from_below (ppl_const_BD_Shape_int16_t_t ph, ppl_const_Linear_Expression_t le)
- int ppl_BD_Shape_int16_t_maximize (ppl_const_BD_Shape_int16_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_BD_Shape_int16_t_minimize (ppl_const_BD_Shape_int16_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_BD_Shape_int16_t_maximize_with_point (ppl_const_BD_Shape_int16_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_BD_Shape_int16_t_minimize_with_point (ppl_const_BD_Shape_int16_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_BD_Shape_int16_t_frequency (ppl_const_BD_Shape_int16_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_fn, ppl_Coefficient_t ext_fd, ppl_Coefficient_t ext_vn, ppl_Coefficient_t ext_vd)
- int ppl_BD_Shape_int16_t_contains_BD_Shape_int16_t (ppl_const_BD_Shape_int16_t_t x, ppl_const_BD_Shape_int16_t_t y)
- int ppl_BD_Shape_int16_t_strictly_contains_BD_Shape_int16_t (ppl_const_BD_Shape_int16_t_t x, ppl_const_BD_Shape_int16_t_t y)
- int ppl_BD_Shape_int16_t_is_disjoint_from_BD_Shape_int16_t (ppl_const_BD_Shape_int16_t_t x, ppl_const_BD_Shape_int16_t_t y)
- int ppl_BD_Shape_int16_t_equals_BD_Shape_int16_t (ppl_const_BD_Shape_int16_t_t x, ppl_const_BD_Shape_int16_t_t y)
- int ppl_BD_Shape_int16_t_OK (ppl_const_BD_Shape_int16_t_t ph)
- int ppl_BD_Shape_int16_t_add_constraint (ppl_BD_Shape_int16_t_t ph, ppl_const_Constraint_t c)
- int ppl_BD_Shape_int16_t_add_congruence (ppl_BD_Shape_int16_t_t ph, ppl_const_Congruence_t c)
- int ppl_BD_Shape_int16_t_add_constraints (ppl_BD_Shape_int16_t_t ph, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_int16_t_add_congruences (ppl_BD_Shape_int16_t_t ph, ppl_const_Congruence_System_t cs)
- int ppl_BD_Shape_int16_t_refine_with_constraint (ppl_BD_Shape_int16_t_t ph, ppl_const_Constraint_t c)
- int ppl_BD_Shape_int16_t_refine_with_congruence (ppl_BD_Shape_int16_t_t ph, ppl_const_Congruence_t c)
- int ppl_BD_Shape_int16_t_refine_with_constraints (ppl_BD_Shape_int16_t_t ph, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_int16_t_refine_with_congruences (ppl_BD_Shape_int16_t_t ph, ppl_const_Congruence_System_t cs)
- int ppl_BD_Shape_int16_t_intersection_assign (ppl_BD_Shape_int16_t_t x, ppl_const_BD_Shape_int16_t_t y)
- int ppl_BD_Shape_int16_t_upper_bound_assign (ppl_BD_Shape_int16_t_t x, ppl_const_BD_Shape_int16_t_t y)
- int ppl_BD_Shape_int16_t_difference_assign (ppl_BD_Shape_int16_t_t x, ppl_const_BD_Shape_int16_t_t y)
- int ppl_BD_Shape_int16_t_concatenate_assign (ppl_BD_Shape_int16_t_t x, ppl_const_BD_Shape_int16_t_t y)
- int ppl_BD_Shape_int16_t_time_elapse_assign (ppl_BD_Shape_int16_t_t x, ppl_const_BD_Shape_int16_t_t y)

- int ppl_BD_Shape_int16_t_upper_bound_assign_if_exact (ppl_BD_Shape_int16_t_t x, ppl_const_BD_Shape_int16_t_t y)
- int ppl_BD_Shape_int16_t_simplify_using_context_assign (ppl_BD_Shape_int16_t_t x, ppl_const_BD_Shape_int16_t_t y)
- int ppl_BD_Shape_int16_t_constrains (ppl_BD_Shape_int16_t_t ph, ppl_dimension_type var)
- int ppl_BD_Shape_int16_t_unconstrain_space_dimension (ppl_BD_Shape_int16_t_t ph, ppl_dimension_type var)
- int ppl_BD_Shape_int16_t_unconstrain_space_dimensions (ppl_BD_Shape_int16_t_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_BD_Shape_int16_t_affine_image (ppl_BD_Shape_int16_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_int16_t_affine_preimage (ppl_BD_Shape_int16_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_int16_t_bounded_affine_image (ppl_BD_Shape_int16_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_int16_t_bounded_affine_preimage (ppl_BD_Shape_int16_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_int16_t_generalized_affine_image (ppl_BD_Shape_int16_t_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_int16_t_generalized_affine_preimage (ppl_BD_Shape_int16_t_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_int16_t_generalized_affine_image_lhs_rhs (ppl_BD_Shape_int16_t_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_BD_Shape_int16_t_generalized_affine_preimage_lhs_rhs (ppl_BD_Shape_int16_t_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_BD_Shape_int16_t_add_space_dimensions_and_embed (ppl_BD_Shape_int16_t_t ph, ppl_dimension_type d)
- int ppl_BD_Shape_int16_t_add_space_dimensions_and_project (ppl_BD_Shape_int16_t_t ph, ppl_dimension_type d)
- int ppl_BD_Shape_int16_t_remove_space_dimensions (ppl_BD_Shape_int16_t_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_BD_Shape_int16_t_remove_higher_space_dimensions (ppl_BD_Shape_int16_t_t ph, ppl_dimension_type d)
- int ppl_BD_Shape_int16_t_expand_space_dimension (ppl_BD_Shape_int16_t_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_BD_Shape_int16_t_fold_space_dimensions (ppl_BD_Shape_int16_t_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_BD_Shape_int16_t_map_space_dimensions (ppl_BD_Shape_int16_t_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_BD_Shape_int16_t_drop_some_non_integer_points (ppl_BD_Shape_int16_t_t ph, int complexity)
- int ppl_BD_Shape_int16_t_drop_some_non_integer_points_2 (ppl_BD_Shape_int16_t_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_BD_Shape_int16_t_external_memory_in_bytes (ppl_const_BD_Shape_int16_t_t ps, size_t *sz)
- int ppl_BD_Shape_int16_t_total_memory_in_bytes (ppl_const_BD_Shape_int16_t_t ps, size_t *sz)

- int ppl_BD_Shape_int16_t_BHMZ05_widening_assign_with_tokens (ppl_BD_Shape_int16_t_t x, ppl_const_BD_Shape_int16_t_t y, unsigned *tp)
- int ppl_BD_Shape_int16_t_H79_widening_assign_with_tokens (ppl_BD_Shape_int16_t_t x, ppl_const_BD_Shape_int16_t_t y, unsigned *tp)
- int ppl_BD_Shape_int16_t_BHMZ05_widening_assign (ppl_BD_Shape_int16_t_t x, ppl_const_BD_Shape_int16_t_t y)
- int ppl_BD_Shape_int16_t_H79_widening_assign (ppl_BD_Shape_int16_t_t x, ppl_const_BD_Shape_int16_t_t y)
- int ppl_BD_Shape_int16_t_widening_assign_with_tokens (ppl_BD_Shape_int16_t_t x, ppl_const_BD_Shape_int16_t_t y, unsigned *tp)
- int ppl_BD_Shape_int16_t_widening_assign (ppl_BD_Shape_int16_t_t x, ppl_const_BD_Shape_int16_t_t y)
- int ppl_BD_Shape_int16_t_limited_BHMZ05_extrapolation_assign_with_tokens (ppl_BD_Shape_int16_t_t x, ppl_const_BD_Shape_int16_t_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_BD_Shape_int16_t_limited_H79_extrapolation_assign_with_tokens (ppl_BD_Shape_int16_t_t x, ppl_const_BD_Shape_int16_t_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_BD_Shape_int16_t_limited_CC76_extrapolation_assign_with_tokens (ppl_BD_Shape_int16_t_t x, ppl_const_BD_Shape_int16_t_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_BD_Shape_int16_t_limited_BHMZ05_extrapolation_assign (ppl_BD_Shape_int16_t_t x, ppl_const_BD_Shape_int16_t_t y, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_int16_t_limited_H79_extrapolation_assign (ppl_BD_Shape_int16_t_t x, ppl_const_BD_Shape_int16_t_t y, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_int16_t_limited_CC76_extrapolation_assign (ppl_BD_Shape_int16_t_t x, ppl_const_BD_Shape_int16_t_t y, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_int16_t_CC76_extrapolation_assign_with_tokens (ppl_BD_Shape_int16_t_t x, ppl_const_BD_Shape_int16_t_t y, unsigned *tp)
- int ppl_BD_Shape_int16_t_CC76_extrapolation_assign (ppl_BD_Shape_int16_t_t x, ppl_const_BD_Shape_int16_t_t y)
- int ppl_BD_Shape_int16_t_CC76_narrowing_assign (ppl_BD_Shape_int16_t_t x, ppl_const_BD_Shape_int16_t_t y)
- int ppl_BD_Shape_int16_t_linear_partition (ppl_const_BD_Shape_int16_t_t x, ppl_const_BD_Shape_int16_t_t y, ppl_BD_Shape_int16_t_t *p_inters, ppl_Pointset_Powerset_NNC_Polyhedron_t *p_rest)
- int ppl_BD_Shape_int16_t_wrap_assign (ppl_BD_Shape_int16_t_t ph, ppl_dimension_type ds[ ], size_t n, enum ppl_enum_Bounded_Integer_Type_Width w, enum ppl_enum_Bounded_Integer_Type_Representation r, enum ppl_enum_Bounded_Integer_Type_Overflow o, const ppl_const_Constraint_System_t *pcs, unsigned complexity_threshold, int wrap_individually)
- int ppl_new_BD_Shape_int16_t_recycle_Constraint_System (ppl_BD_Shape_int16_t_t *pph, ppl_Constraint_System_t cs)
- int ppl_new_BD_Shape_int16_t_recycle_Congruence_System (ppl_BD_Shape_int16_t_t *pph, ppl_Congruence_System_t cs)
- int ppl_new_BD_Shape_int16_t_recycle_Generator_System (ppl_BD_Shape_int16_t_t *pph, ppl_Generator_System_t cs)
- int ppl_assign_BD_Shape_int16_t_from_BD_Shape_int16_t (ppl_BD_Shape_int16_t_t dst, ppl_const_BD_Shape_int16_t_t src)
- int ppl_BD_Shape_int16_t_add_recycled_constraints (ppl_BD_Shape_int16_t_t ph, ppl_Constraint_System_t cs)
- int ppl_BD_Shape_int16_t_add_recycled_congruences (ppl_BD_Shape_int16_t_t ph, ppl_Congruence_System_t cs)

- int ppl_termination_test_MS_BD_Shape_int16_t (ppl_const_BD_Shape_int16_t_t pset)
- int ppl_termination_test_PR_BD_Shape_int16_t (ppl_const_BD_Shape_int16_t_t pset)
- int ppl_one_affine_ranking_function_MS_BD_Shape_int16_t (ppl_const_BD_Shape_int16_t_t pset, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_BD_Shape_int16_t (ppl_const_BD_Shape_int16_t_t pset, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_BD_Shape_int16_t (ppl_const_BD_Shape_int16_t_t pset, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_BD_Shape_int16_t (ppl_const_BD_Shape_int16_t_t pset, ppl_Polyhedron_t ph)
- int ppl_termination_test_MS_BD_Shape_int16_t_2 (ppl_const_BD_Shape_int16_t_t pset_before, ppl_const_BD_Shape_int16_t_t pset_after)
- int ppl_termination_test_PR_BD_Shape_int16_t_2 (ppl_const_BD_Shape_int16_t_t pset_before, ppl_const_BD_Shape_int16_t_t pset_after)
- int ppl_one_affine_ranking_function_MS_BD_Shape_int16_t_2 (ppl_const_BD_Shape_int16_t_t pset_before, ppl_const_BD_Shape_int16_t_t pset_after, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_BD_Shape_int16_t_2 (ppl_const_BD_Shape_int16_t_t pset_before, ppl_const_BD_Shape_int16_t_t pset_after, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_BD_Shape_int16_t_2 (ppl_const_BD_Shape_int16_t_t pset_before, ppl_const_BD_Shape_int16_t_t pset_after, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_BD_Shape_int16_t_2 (ppl_const_BD_Shape_int16_t_t pset_before, ppl_const_BD_Shape_int16_t_t pset_after, ppl_Polyhedron_t ph)
- int ppl_io_print_BD_Shape_int16_t (ppl_const_BD_Shape_int16_t_t x)
- int ppl_io_fprint_BD_Shape_int16_t (FILE *stream, ppl_const_BD_Shape_int16_t_t x)
- int ppl_io_asprint_BD_Shape_int16_t (char **strp, ppl_const_BD_Shape_int16_t_t x)
- int ppl_BD_Shape_int16_t_ascii_dump (ppl_const_BD_Shape_int16_t_t x, FILE *stream)
- int ppl_BD_Shape_int16_t_ascii_load (ppl_BD_Shape_int16_t_t x, FILE *stream)

7.5.1 Detailed Description

Types and functions for ppl_BD_Shape_int16_t_tag.

7.5.2 Friends And Related Function Documentation

7.5.2.1 int ppl_delete_BD_Shape_int16_t (ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.5.2.2 int ppl_new_BD_Shape_int16_t_from_space_dimension (ppl_BD_Shape_int16_t_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.5.2.3 int ppl_new_BD_Shape_int16_t_from_Int8_Box (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.5.2.4 int ppl_new_BD_Shape_int16_t_from_Int16_Box (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.5.2.5 int ppl_new_BD_Shape_int16_t_from_Int32_Box (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.5.2.6 int ppl_new_BD_Shape_int16_t_from_Int64_Box (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.5.2.7 int ppl_new_BD_Shape_int16_t_from_Uint8_Box (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.5.2.8 int ppl_new_BD_Shape_int16_t_from_Uint16_Box (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.5.2.9 int ppl_new_BD_Shape_int16_t_from_Uint32_Box (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.5.2.10 int ppl_new_BD_Shape_int16_t_from_Uint64_Box (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.5.2.11 int ppl_new_BD_Shape_int16_t_from_Z_Box (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.5.2.12 int ppl_new_BD_Shape_int16_t_from_Rational_Box (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.5.2.13 int ppl_new_BD_Shape_int16_t_from_BD_Shape_int8_t (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.5.2.14 int ppl_new_BD_Shape_int16_t_from_BD_Shape_int16_t (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.5.2.15 int ppl_new_BD_Shape_int16_t_from_BD_Shape_int32_t (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.5.2.16 int ppl_new_BD_Shape_int16_t_from_BD_Shape_int64_t (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.5.2.17 int ppl_new_BD_Shape_int16_t_from_BD_Shape_mpz_class (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.5.2.18 int ppl_new_BD_Shape_int16_t_from_BD_Shape_mpq_class (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.5.2.19 int ppl_new_BD_Shape_int16_t_from_Octagonal_Shape_int8_t (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.5.2.20 int ppl_new_BD_Shape_int16_t_from_Octagonal_Shape_int16_t (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.5.2.21 int ppl_new_BD_Shape_int16_t_from_Octagonal_Shape_int32_t (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.5.2.22 int ppl_new_BD_Shape_int16_t_from_Octagonal_Shape_int64_t (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.5.2.23 int ppl_new_BD_Shape_int16_t_from_Octagonal_Shape_mpz_class (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.5.2.24 int ppl_new_BD_Shape_int16_t_from_Octagonal_Shape_mpq_class (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.5.2.25 int ppl_new_BD_Shape_int16_t_from_C_Polyhedron (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.5.2.26 int ppl_new_BD_Shape_int16_t_from_NNC_Polyhedron (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.5.2.27 int ppl_new_BD_Shape_int16_t_from_Grid (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.5.2.28 int ppl_new_BD_Shape_int16_t_from_Float_Box (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.5.2.29 int ppl_new_BD_Shape_int16_t_from_BD_Shape_float (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.5.2.30 int ppl_new_BD_Shape_int16_t_from_Octagonal_Shape_float (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.5.2.31 int ppl_new_BD_Shape_int16_t_from_Double_Box (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.5.2.32 int ppl_new_BD_Shape_int16_t_from_BD_Shape_double (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.5.2.33 int ppl_new_BD_Shape_int16_t_from_Octagonal_Shape_double (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.5.2.34 int ppl_new_BD_Shape_int16_t_from_Long_Double_Box (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.5.2.35 int ppl_new_BD_Shape_int16_t_from_BD_Shape_long_double (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.5.2.36 int ppl_new_BD_Shape_int16_t_from_Octagonal_Shape_long_double (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.5.2.37 int ppl_new_BD_Shape_int16_t_from_Int8_Box_with_complexity (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.5.2.38 int ppl_new_BD_Shape_int16_t_from_Int16_Box_with_complexity (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.5.2.39 int ppl_new_BD_Shape_int16_t_from_Int32_Box_with_complexity (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.5.2.40 int ppl_new_BD_Shape_int16_t_from_Int64_Box_with_complexity (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.5.2.41 int ppl_new_BD_Shape_int16_t_from_Uint8_Box_with_complexity (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.5.2.42 int ppl_new_BD_Shape_int16_t_from_Uint16_Box_with_complexity (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.5.2.43 int ppl_new_BD_Shape_int16_t_from_Uint32_Box_with_complexity (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.5.2.44 int ppl_new_BD_Shape_int16_t_from_Uint64_Box_with_complexity (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.5.2.45 int ppl_new_BD_Shape_int16_t_from_Z_Box_with_complexity (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.5.2.46 int ppl_new_BD_Shape_int16_t_from_Rational_Box_with_complexity (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.5.2.47 int ppl_new_BD_Shape_int16_t_from_BD_Shape_int8_t_with_complexity (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.5.2.48 int ppl_new_BD_Shape_int16_t_from_BD_Shape_int16_t_with_complexity (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.5.2.49 int ppl_new_BD_Shape_int16_t_from_BD_Shape_int32_t_with_complexity (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.5.2.50 int ppl_new_BD_Shape_int16_t_from_BD_Shape_int64_t_with_complexity (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.5.2.51 int ppl_new_BD_Shape_int16_t_from_BD_Shape_mpz_class_with_complexity (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.5.2.52 int ppl_new_BD_Shape_int16_t_from_BD_Shape_mpq_class_with_complexity (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.5.2.53 int ppl_new_BD_Shape_int16_t_from_Octagonal_Shape_int8_t_with_complexity (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.5.2.54 int ppl_new_BD_Shape_int16_t_from_Octagonal_Shape_int16_t_with_complexity (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.5.2.55 int ppl_new_BD_Shape_int16_t_from_Octagonal_Shape_int32_t_with_complexity (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.5.2.56 int ppl_new_BD_Shape_int16_t_from_Octagonal_Shape_int64_t_with_complexity (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.5.2.57 int ppl_new_BD_Shape_int16_t_from_Octagonal_Shape_mpz_class_with_complexity (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.5.2.58 int ppl_new_BD_Shape_int16_t_from_Octagonal_Shape_mpq_class_with_complexity (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.5.2.59 int ppl_new_BD_Shape_int16_t_from_C_Polyhedron_with_complexity (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.5.2.60 int ppl_new_BD_Shape_int16_t_from_NNC_Polyhedron_with_complexity (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.5.2.61 int ppl_new_BD_Shape_int16_t_from_Grid_with_complexity (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.5.2.62 int ppl_new_BD_Shape_int16_t_from_Float_Box_with_complexity (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.5.2.63 int ppl_new_BD_Shape_int16_t_from_BD_Shape_float_with_complexity (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.5.2.64 **int ppl_new_BD_Shape_int16_t_from_Octagonal_Shape_float_with_complexity (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]**

7.5.2.65 **int ppl_new_BD_Shape_int16_t_from_Double_Box_with_complexity (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]**

7.5.2.66 **int ppl_new_BD_Shape_int16_t_from_BD_Shape_double_with_complexity (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]**

7.5.2.67 **int ppl_new_BD_Shape_int16_t_from_Octagonal_Shape_double_with_complexity (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]**

7.5.2.68 **int ppl_new_BD_Shape_int16_t_from_Long_Double_Box_with_complexity (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]**

7.5.2.69 **int ppl_new_BD_Shape_int16_t_from_BD_Shape_long_double_with_complexity (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]**

7.5.2.70 **int ppl_new_BD_Shape_int16_t_from_Octagonal_Shape_long_double_with_complexity (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]**

7.5.2.71 **int ppl_new_BD_Shape_int16_t_from_Constraint_System (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]**

7.5.2.72 int ppl_new_BD_Shape_int16_t_from_Congruence_System (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.5.2.73 int ppl_new_BD_Shape_int16_t_from_Generator_System (ppl_BD_Shape_int16_t_t * *pph*, ppl_const_Generator_System_t *cs*) [related]

7.5.2.74 int ppl_BD_Shape_int16_t_space_dimension (ppl_const_BD_Shape_int16_t_t *ph*, ppl_dimension_type * *m*) [related]

7.5.2.75 int ppl_BD_Shape_int16_t_affine_dimension (ppl_const_BD_Shape_int16_t_t *ph*, ppl_dimension_type * *m*) [related]

7.5.2.76 int ppl_BD_Shape_int16_t_relation_with_Constraint (ppl_const_BD_Shape_int16_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.5.2.77 int ppl_BD_Shape_int16_t_relation_with_Generator (ppl_const_BD_Shape_int16_t_t *ph*, ppl_const_Generator_t *c*) [related]

7.5.2.78 int ppl_BD_Shape_int16_t_relation_with_Congruence (ppl_const_BD_Shape_int16_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.5.2.79 int ppl_BD_Shape_int16_t_get_constraints (ppl_const_BD_Shape_int16_t_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.5.2.80 int ppl_BD_Shape_int16_t_get_congruences (ppl_const_BD_Shape_int16_t_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.5.2.81 int ppl_BD_Shape_int16_t_get_minimized_constraints (ppl_const_BD_Shape_int16_t_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.5.2.82 int ppl_BD_Shape_int16_t_get_minimized_congruences (ppl_const_BD_Shape_int16_t_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.5.2.83 int ppl_BD_Shape_int16_t_is_empty (ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.5.2.84 int ppl_BD_Shape_int16_t_is_universe (ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.5.2.85 int ppl_BD_Shape_int16_t_is_bounded (ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.5.2.86 int ppl_BD_Shape_int16_t_contains_integer_point (ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.5.2.87 int ppl_BD_Shape_int16_t_is_topologically_closed (ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.5.2.88 int ppl_BD_Shape_int16_t_is_discrete (ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.5.2.89 int ppl_BD_Shape_int16_t_topological_closure_assign (ppl_BD_Shape_int16_t_t *ph*) [related]

7.5.2.90 int ppl_BD_Shape_int16_t_bounds_from_above (ppl_const_BD_Shape_int16_t_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.5.2.91 int ppl_BD_Shape_int16_t_bounds_from_below (ppl_const_BD_Shape_int16_t_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.5.2.92 int ppl_BD_Shape_int16_t_maximize (ppl_const_BD_Shape_int16_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.5.2.93 int ppl_BD_Shape_int16_t_minimize (ppl_const_BD_Shape_int16_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.5.2.94 int ppl_BD_Shape_int16_t_maximize_with_point (ppl_const_BD_Shape_int16_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.5.2.95 int ppl_BD_Shape_int16_t_minimize_with_point (ppl_const_BD_Shape_int16_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.5.2.96 int ppl_BD_Shape_int16_t_frequency (ppl_const_BD_Shape_int16_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_fn*, ppl_Coefficient_t *ext_fd*, ppl_Coefficient_t *ext_vn*, ppl_Coefficient_t *ext_vd*) [related]

7.5.2.97 int ppl_BD_Shape_int16_t_contains_BD_Shape_int16_t (ppl_const_BD_Shape_int16_t_t *x*, ppl_const_BD_Shape_int16_t_t *y*) [related]

7.5.2.98 int ppl_BD_Shape_int16_t_strictly_contains_BD_Shape_int16_t (ppl_const_BD_Shape_int16_t_t *x*, ppl_const_BD_Shape_int16_t_t *y*) [related]

7.5.2.99 int ppl_BD_Shape_int16_t_is_disjoint_from_BD_Shape_int16_t (ppl_const_BD_Shape_int16_t_t *x*, ppl_const_BD_Shape_int16_t_t *y*) [related]

7.5.2.100 int ppl_BD_Shape_int16_t_equals_BD_Shape_int16_t (ppl_const_BD_Shape_int16_t_t *x*, ppl_const_BD_Shape_int16_t_t *y*) [related]

7.5.2.101 int ppl_BD_Shape_int16_t_OK (ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.5.2.102 int ppl_BD_Shape_int16_t_add_constraint (ppl_BD_Shape_int16_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.5.2.103 int ppl_BD_Shape_int16_t_add_congruence (ppl_BD_Shape_int16_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.5.2.104 int ppl_BD_Shape_int16_t_add_constraints (ppl_BD_Shape_int16_t_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.5.2.105 int ppl_BD_Shape_int16_t_add_congruences (ppl_BD_Shape_int16_t_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.5.2.106 int ppl_BD_Shape_int16_t_refine_with_constraint (ppl_BD_Shape_int16_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.5.2.107 int ppl_BD_Shape_int16_t_refine_with_congruence (ppl_BD_Shape_int16_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.5.2.108 int ppl_BD_Shape_int16_t_refine_with_constraints (ppl_BD_Shape_int16_t_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.5.2.109 int ppl_BD_Shape_int16_t_refine_with_congruences (ppl_BD_Shape_int16_t_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.5.2.110 int ppl_BD_Shape_int16_t_intersection_assign (ppl_BD_Shape_int16_t_t *x*, ppl_const_BD_Shape_int16_t_t *y*) [related]

7.5.2.111 int ppl_BD_Shape_int16_t_upper_bound_assign (ppl_BD_Shape_int16_t_t *x*, ppl_const_BD_Shape_int16_t_t *y*) [related]

7.5.2.112 int ppl_BD_Shape_int16_t_difference_assign (ppl_BD_Shape_int16_t_t *x*, ppl_const_BD_Shape_int16_t_t *y*) [related]

7.5.2.113 int ppl_BD_Shape_int16_t_concatenate_assign (ppl_BD_Shape_int16_t_t *x*, ppl_const_BD_Shape_int16_t_t *y*) [related]

7.5.2.114 int ppl_BD_Shape_int16_t_time_elapse_assign (ppl_BD_Shape_int16_t_t *x*, ppl_const_BD_Shape_int16_t_t *y*) [related]

7.5.2.115 int ppl_BD_Shape_int16_t_upper_bound_assign_if_exact (ppl_BD_Shape_int16_t_t *x*, ppl_const_BD_Shape_int16_t_t *y*) [related]

7.5.2.116 int ppl_BD_Shape_int16_t_simplify_using_context_assign (ppl_BD_Shape_int16_t_t *x*, ppl_const_BD_Shape_int16_t_t *y*) [related]

7.5.2.117 int ppl_BD_Shape_int16_t_constrains (ppl_BD_Shape_int16_t_t *ph*, ppl_dimension_type *var*) [related]

7.5.2.118 int ppl_BD_Shape_int16_t_unconstrain_space_dimension (ppl_BD_Shape_int16_t_t *ph*, ppl_dimension_type *var*) [related]

7.5.2.119 int ppl_BD_Shape_int16_t_unconstrain_space_dimensions (ppl_BD_Shape_int16_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.5.2.120 int ppl_BD_Shape_int16_t_affine_image (ppl_BD_Shape_int16_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.5.2.121 int ppl_BD_Shape_int16_t_affine_preimage (ppl_BD_Shape_int16_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.5.2.122 int ppl_BD_Shape_int16_t_bounded_affine_image (ppl_BD_Shape_int16_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.5.2.123 int ppl_BD_Shape_int16_t_bounded_affine_preimage (ppl_BD_Shape_int16_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.5.2.124 int ppl_BD_Shape_int16_t_generalized_affine_image (ppl_BD_Shape_int16_t_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.5.2.125 int ppl_BD_Shape_int16_t_generalized_affine_preimage (ppl_BD_Shape_int16_t_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.5.2.126 int ppl_BD_Shape_int16_t_generalized_affine_image_lhs_rhs (ppl_BD_Shape_int16_t_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.5.2.127 int ppl_BD_Shape_int16_t_generalized_affine_preimage_lhs_rhs (ppl_BD_Shape_int16_t_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.5.2.128 int ppl_BD_Shape_int16_t_add_space_dimensions_and_embed (ppl_BD_Shape_int16_t_t *ph*, ppl_dimension_type *d*) [related]

7.5.2.129 int ppl_BD_Shape_int16_t_add_space_dimensions_and_project (ppl_BD_Shape_int16_t_t *ph*, ppl_dimension_type *d*) [related]

7.5.2.130 int ppl_BD_Shape_int16_t_remove_space_dimensions (ppl_BD_Shape_int16_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.5.2.131 int ppl_BD_Shape_int16_t_remove_higher_space_dimensions (ppl_BD_Shape_int16_t_t *ph*, ppl_dimension_type *d*) [related]

7.5.2.132 int ppl_BD_Shape_int16_t_expand_space_dimension (ppl_BD_Shape_int16_t_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.5.2.133 int ppl_BD_Shape_int16_t_fold_space_dimensions (ppl_BD_Shape_int16_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.5.2.134 int ppl_BD_Shape_int16_t_map_space_dimensions (ppl_BD_Shape_int16_t_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.5.2.135 int ppl_BD_Shape_int16_t_drop_some_non_integer_points (ppl_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.5.2.136 int ppl_BD_Shape_int16_t_drop_some_non_integer_points_2 (ppl_BD_Shape_int16_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.5.2.137 int ppl_BD_Shape_int16_t_external_memory_in_bytes (ppl_const_BD_Shape_int16_t_t *ps*, size_t * *sz*) [related]

7.5.2.138 int ppl_BD_Shape_int16_t_total_memory_in_bytes (ppl_const_BD_Shape_int16_t_t *ps*, size_t * *sz*) [related]

7.5.2.139 int ppl_BD_Shape_int16_t_BHMZ05_widening_assign_with_tokens (ppl_BD_Shape_int16_t_t *x*, ppl_const_BD_Shape_int16_t_t *y*, unsigned * *tp*) [related]

7.5.2.140 int ppl_BD_Shape_int16_t_H79_widening_assign_with_tokens (ppl_BD_Shape_int16_t_t *x*, ppl_const_BD_Shape_int16_t_t *y*, unsigned * *tp*) [related]

7.5.2.141 int ppl_BD_Shape_int16_t_BHMZ05_widening_assign (ppl_BD_Shape_int16_t_t *x*, ppl_const_BD_Shape_int16_t_t *y*) [related]

7.5.2.142 int ppl_BD_Shape_int16_t_H79_widening_assign (ppl_BD_Shape_int16_t_t *x*, ppl_const_BD_Shape_int16_t_t *y*) [related]

7.5.2.143 int ppl_BD_Shape_int16_t_widening_assign_with_tokens (ppl_BD_Shape_int16_t_t *x*, ppl_const_BD_Shape_int16_t_t *y*, unsigned * *tp*) [related]

7.5.2.144 int ppl_BD_Shape_int16_t_widening_assign (ppl_BD_Shape_int16_t_t *x*, ppl_const_BD_Shape_int16_t_t *y*) [related]

7.5.2.145 int ppl_BD_Shape_int16_t_limited_BHMZ05_extrapolation_assign_with_tokens (ppl_BD_Shape_int16_t_t *x*, ppl_const_BD_Shape_int16_t_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.5.2.146 int ppl_BD_Shape_int16_t_limited_H79_extrapolation_assign_with_tokens (ppl_BD_Shape_int16_t_t *x*, ppl_const_BD_Shape_int16_t_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.5.2.147 int ppl_BD_Shape_int16_t_limited_CC76_extrapolation_assign_with_tokens (ppl_BD_Shape_int16_t_t *x*, ppl_const_BD_Shape_int16_t_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.5.2.148 int ppl_BD_Shape_int16_t_limited_BHMZ05_extrapolation_assign (ppl_BD_Shape_int16_t_t *x*, ppl_const_BD_Shape_int16_t_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.5.2.149 int ppl_BD_Shape_int16_t_limited_H79_extrapolation_assign (ppl_BD_Shape_int16_t_t *x*, ppl_const_BD_Shape_int16_t_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.5.2.150 int ppl_BD_Shape_int16_t_limited_CC76_extrapolation_assign (ppl_BD_Shape_int16_t_t *x*, ppl_const_BD_Shape_int16_t_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.5.2.151 int ppl_BD_Shape_int16_t_CC76_extrapolation_assign_with_tokens (ppl_BD_Shape_int16_t_t *x*, ppl_const_BD_Shape_int16_t_t *y*, unsigned * *tp*) [related]

7.5.2.152 int ppl_BD_Shape_int16_t_CC76_extrapolation_assign (ppl_BD_Shape_int16_t_t *x*, ppl_const_BD_Shape_int16_t_t *y*) [related]

7.5.2.153 int ppl_BD_Shape_int16_t_CC76_narrowing_assign (ppl_BD_Shape_int16_t_t *x*, ppl_const_BD_Shape_int16_t_t *y*) [related]

7.5.2.154 int ppl_BD_Shape_int16_t_linear_partition (ppl_const_BD_Shape_int16_t_t *x*, ppl_const_BD_Shape_int16_t_t *y*, ppl_BD_Shape_int16_t_t * *p_inters*, ppl_Pointset_Powerset_NNC_Polyhedron_t * *p_rest*) [related]

7.5.2.155 int ppl_BD_Shape_int16_t_wrap_assign (ppl_BD_Shape_int16_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, enum ppl_enum_Bounded_Integer_Type_Width *w*, enum ppl_enum_Bounded_Integer_Type_Representation *r*, enum ppl_enum_Bounded_Integer_Type_Overflow *o*, const ppl_const_Constraint_System_t * *pcs*, unsigned *complexity_threshold*, int *wrap_individually*) [related]

7.5.2.156 int ppl_new_BD_Shape_int16_t_recycle_Constraint_System (ppl_BD_Shape_int16_t_t * *pph*, ppl_Constraint_System_t *cs*) [related]

7.5.2.157 int ppl_new_BD_Shape_int16_t_recycle_Congruence_System (ppl_BD_Shape_int16_t_t * *pph*, ppl_Congruence_System_t *cs*) [related]

7.5.2.158 int ppl_new_BD_Shape_int16_t_recycle_Generator_System (ppl_BD_Shape_int16_t_t * *pph*, ppl_Generator_System_t *cs*) [related]

7.5.2.159 int ppl_assign_BD_Shape_int16_t_from_BD_Shape_int16_t (ppl_BD_Shape_int16_t_t *dst*, ppl_const_BD_Shape_int16_t_t *src*) [related]

7.5.2.160 int ppl_BD_Shape_int16_t_add_recycled_constraints (ppl_BD_Shape_int16_t_t *ph*, ppl_Constraint_System_t *cs*) [related]

7.5.2.161 int ppl_BD_Shape_int16_t_add_recycled_congruences (ppl_BD_Shape_int16_t_t *ph*, ppl_Congruence_System_t *cs*) [related]

7.5.2.162 int ppl_termination_test_MS_BD_Shape_int16_t (ppl_const_BD_Shape_int16_t_t *pset*) [related]

7.5.2.163 int ppl_termination_test_PR_BD_Shape_int16_t (ppl_const_BD_Shape_int16_t_t *pset*) [related]

7.5.2.164 int ppl_one_affine_ranking_function_MS_BD_Shape_int16_t (ppl_const_BD_Shape_int16_t_t *pset*, ppl_Generator_t *point*) [related]

7.5.2.165 int ppl_one_affine_ranking_function_PR_BD_Shape_int16_t (ppl_const_BD_Shape_int16_t_t *pset*, ppl_Generator_t *point*) [related]

7.5.2.166 int ppl_all_affine_ranking_functions_MS_BD_Shape_int16_t (ppl_const_BD_Shape_int16_t_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.5.2.167 int ppl_all_affine_ranking_functions_PR_BD_Shape_int16_t (ppl_const_BD_Shape_int16_t_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.5.2.168 int ppl_termination_test_MS_BD_Shape_int16_t_2 (ppl_const_BD_Shape_int16_t_t *pset_before*, ppl_const_BD_Shape_int16_t_t *pset_after*) [related]

7.5.2.169 int ppl_termination_test_PR_BD_Shape_int16_t_2 (ppl_const_BD_Shape_int16_t_t *pset_before*, ppl_const_BD_Shape_int16_t_t *pset_after*) [related]

7.5.2.170 int ppl_one_affine_ranking_function_MS_BD_Shape_int16_t_2 (ppl_const_BD_Shape_int16_t_t *pset_before*, ppl_const_BD_Shape_int16_t_t *pset_after*, ppl_Generator_t *point*) [related]

7.5.2.171 int ppl_one_affine_ranking_function_PR_BD_Shape_int16_t_2 (ppl_const_BD_Shape_int16_t_t *pset_before*, ppl_const_BD_Shape_int16_t_t *pset_after*, ppl_Generator_t *point*) [related]

7.5.2.172 int ppl_all_affine_ranking_functions_MS_BD_Shape_int16_t_2 (ppl_const_BD_Shape_int16_t_t *pset_before*, ppl_const_BD_Shape_int16_t_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.5.2.173 int ppl_all_affine_ranking_functions_PR_BD_Shape_int16_t_2 (ppl_const_BD_Shape_int16_t_t *pset_before*, ppl_const_BD_Shape_int16_t_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.5.2.174 int ppl_io_print_BD_Shape_int16_t (ppl_const_BD_Shape_int16_t_t *x*) [related]

7.5.2.175 int ppl_io_fprint_BD_Shape_int16_t (FILE * *stream*, ppl_const_BD_Shape_int16_t_t *x*) [related]

7.5.2.176 int ppl_io_asprint_BD_Shape_int16_t (char ** *strp*, ppl_const_BD_Shape_int16_t_t *x*) [related]

7.5.2.177 int ppl_BD_Shape_int16_t_ascii_dump (ppl_const_BD_Shape_int16_t_t *x*, FILE * *stream*) [related]

7.5.2.178 int ppl_BD_Shape_int16_t_ascii_load (ppl_BD_Shape_int16_t_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.6 ppl_BD_Shape_int32_t_tag Interface Reference

Types and functions for ppl_BD_Shape_int32_t_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_BD_Shape_int32_t (ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_BD_Shape_int32_t_from_space_dimension (ppl_BD_Shape_int32_t_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_BD_Shape_int32_t_from_Int8_Box (ppl_BD_Shape_int32_t_t *pph, ppl_const_Int8_Box_t ph)
- int ppl_new_BD_Shape_int32_t_from_Int16_Box (ppl_BD_Shape_int32_t_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_BD_Shape_int32_t_from_Int32_Box (ppl_BD_Shape_int32_t_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_BD_Shape_int32_t_from_Int64_Box (ppl_BD_Shape_int32_t_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_BD_Shape_int32_t_from_Uint8_Box (ppl_BD_Shape_int32_t_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_BD_Shape_int32_t_from_Uint16_Box (ppl_BD_Shape_int32_t_t *pph, ppl_const_Uint16_Box_t ph)
- int ppl_new_BD_Shape_int32_t_from_Uint32_Box (ppl_BD_Shape_int32_t_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_BD_Shape_int32_t_from_Uint64_Box (ppl_BD_Shape_int32_t_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_BD_Shape_int32_t_from_Z_Box (ppl_BD_Shape_int32_t_t *pph, ppl_const_Z_Box_t ph)
- int ppl_new_BD_Shape_int32_t_from_Rational_Box (ppl_BD_Shape_int32_t_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_BD_Shape_int32_t_from_BD_Shape_int8_t (ppl_BD_Shape_int32_t_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_BD_Shape_int32_t_from_BD_Shape_int16_t (ppl_BD_Shape_int32_t_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_BD_Shape_int32_t_from_BD_Shape_int32_t (ppl_BD_Shape_int32_t_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_BD_Shape_int32_t_from_BD_Shape_int64_t (ppl_BD_Shape_int32_t_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_BD_Shape_int32_t_from_BD_Shape_mpz_class (ppl_BD_Shape_int32_t_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_BD_Shape_int32_t_from_BD_Shape_mpq_class (ppl_BD_Shape_int32_t_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_BD_Shape_int32_t_from_Octagonal_Shape_int8_t (ppl_BD_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_BD_Shape_int32_t_from_Octagonal_Shape_int16_t (ppl_BD_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)

- int ppl_new_BD_Shape_int32_t_from_Octagonal_Shape_int32_t (ppl_BD_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_BD_Shape_int32_t_from_Octagonal_Shape_int64_t (ppl_BD_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_BD_Shape_int32_t_from_Octagonal_Shape_mpz_class (ppl_BD_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_BD_Shape_int32_t_from_Octagonal_Shape_mpq_class (ppl_BD_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_BD_Shape_int32_t_from_C_Polyhedron (ppl_BD_Shape_int32_t_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_BD_Shape_int32_t_from_NNC_Polyhedron (ppl_BD_Shape_int32_t_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_BD_Shape_int32_t_from_Grid (ppl_BD_Shape_int32_t_t *pph, ppl_const_Grid_t ph)
- int ppl_new_BD_Shape_int32_t_from_Float_Box (ppl_BD_Shape_int32_t_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_BD_Shape_int32_t_from_BD_Shape_float (ppl_BD_Shape_int32_t_t *pph, ppl_const_BD_Shape_float_t ph)
- int ppl_new_BD_Shape_int32_t_from_Octagonal_Shape_float (ppl_BD_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_BD_Shape_int32_t_from_Double_Box (ppl_BD_Shape_int32_t_t *pph, ppl_const_Double_Box_t ph)
- int ppl_new_BD_Shape_int32_t_from_BD_Shape_double (ppl_BD_Shape_int32_t_t *pph, ppl_const_BD_Shape_double_t ph)
- int ppl_new_BD_Shape_int32_t_from_Octagonal_Shape_double (ppl_BD_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_BD_Shape_int32_t_from_Long_Double_Box (ppl_BD_Shape_int32_t_t *pph, ppl_const_Long_Double_Box_t ph)
- int ppl_new_BD_Shape_int32_t_from_BD_Shape_long_double (ppl_BD_Shape_int32_t_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_BD_Shape_int32_t_from_Octagonal_Shape_long_double (ppl_BD_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_BD_Shape_int32_t_from_Int8_Box_with_complexity (ppl_BD_Shape_int32_t_t *pph, ppl_const_Int8_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int32_t_from_Int16_Box_with_complexity (ppl_BD_Shape_int32_t_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int32_t_from_Int32_Box_with_complexity (ppl_BD_Shape_int32_t_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int32_t_from_Int64_Box_with_complexity (ppl_BD_Shape_int32_t_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int32_t_from_Uint8_Box_with_complexity (ppl_BD_Shape_int32_t_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int32_t_from_Uint16_Box_with_complexity (ppl_BD_Shape_int32_t_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int32_t_from_Uint32_Box_with_complexity (ppl_BD_Shape_int32_t_t *pph, ppl_const_Uint32_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int32_t_from_Uint64_Box_with_complexity (ppl_BD_Shape_int32_t_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int32_t_from_Z_Box_with_complexity (ppl_BD_Shape_int32_t_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int32_t_from_Rational_Box_with_complexity (ppl_BD_Shape_int32_t_t *pph, ppl_const_Rational_Box_t ph, int complexity)

- int ppl_new_BD_Shape_int32_t_from_BD_Shape_int8_t_with_complexity (ppl_BD_Shape_int32_t_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)
- int ppl_new_BD_Shape_int32_t_from_BD_Shape_int16_t_with_complexity (ppl_BD_Shape_int32_t_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_BD_Shape_int32_t_from_BD_Shape_int32_t_with_complexity (ppl_BD_Shape_int32_t_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_BD_Shape_int32_t_from_BD_Shape_int64_t_with_complexity (ppl_BD_Shape_int32_t_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_BD_Shape_int32_t_from_BD_Shape_mpz_class_with_complexity (ppl_BD_Shape_int32_t_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_BD_Shape_int32_t_from_BD_Shape_mpq_class_with_complexity (ppl_BD_Shape_int32_t_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_BD_Shape_int32_t_from_Octagonal_Shape_int8_t_with_complexity (ppl_BD_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_BD_Shape_int32_t_from_Octagonal_Shape_int16_t_with_complexity (ppl_BD_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_BD_Shape_int32_t_from_Octagonal_Shape_int32_t_with_complexity (ppl_BD_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_BD_Shape_int32_t_from_Octagonal_Shape_int64_t_with_complexity (ppl_BD_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_new_BD_Shape_int32_t_from_Octagonal_Shape_mpz_class_with_complexity (ppl_BD_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_BD_Shape_int32_t_from_Octagonal_Shape_mpq_class_with_complexity (ppl_BD_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_BD_Shape_int32_t_from_C_Polyhedron_with_complexity (ppl_BD_Shape_int32_t_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_BD_Shape_int32_t_from_NNC_Polyhedron_with_complexity (ppl_BD_Shape_int32_t_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_BD_Shape_int32_t_from_Grid_with_complexity (ppl_BD_Shape_int32_t_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_BD_Shape_int32_t_from_Float_Box_with_complexity (ppl_BD_Shape_int32_t_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int32_t_from_BD_Shape_float_with_complexity (ppl_BD_Shape_int32_t_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)
- int ppl_new_BD_Shape_int32_t_from_Octagonal_Shape_float_with_complexity (ppl_BD_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_BD_Shape_int32_t_from_Double_Box_with_complexity (ppl_BD_Shape_int32_t_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int32_t_from_BD_Shape_double_with_complexity (ppl_BD_Shape_int32_t_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_BD_Shape_int32_t_from_Octagonal_Shape_double_with_complexity (ppl_BD_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_BD_Shape_int32_t_from_Long_Double_Box_with_complexity (ppl_BD_Shape_int32_t_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int32_t_from_BD_Shape_long_double_with_complexity (ppl_BD_Shape_int32_t_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_BD_Shape_int32_t_from_Octagonal_Shape_long_double_with_complexity (ppl_BD_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_BD_Shape_int32_t_from_Constraint_System (ppl_BD_Shape_int32_t_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_BD_Shape_int32_t_from_Congruence_System (ppl_BD_Shape_int32_t_t *pph, ppl_const_Congruence_System_t cs)

- int ppl_new_BD_Shape_int32_t_from_Generator_System (ppl_BD_Shape_int32_t_t *pph, ppl_const_Generator_System_t cs)
- int ppl_BD_Shape_int32_t_space_dimension (ppl_const_BD_Shape_int32_t_t ph, ppl_dimension_type *m)
- int ppl_BD_Shape_int32_t_affine_dimension (ppl_const_BD_Shape_int32_t_t ph, ppl_dimension_type *m)
- int ppl_BD_Shape_int32_t_relation_with_Constraint (ppl_const_BD_Shape_int32_t_t ph, ppl_const_Constraint_t c)
- int ppl_BD_Shape_int32_t_relation_with_Generator (ppl_const_BD_Shape_int32_t_t ph, ppl_const_Generator_t c)
- int ppl_BD_Shape_int32_t_relation_with_Congruence (ppl_const_BD_Shape_int32_t_t ph, ppl_const_Congruence_t c)
- int ppl_BD_Shape_int32_t_get_constraints (ppl_const_BD_Shape_int32_t_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_BD_Shape_int32_t_get_congruences (ppl_const_BD_Shape_int32_t_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_BD_Shape_int32_t_get_minimized_constraints (ppl_const_BD_Shape_int32_t_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_BD_Shape_int32_t_get_minimized_congruences (ppl_const_BD_Shape_int32_t_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_BD_Shape_int32_t_is_empty (ppl_const_BD_Shape_int32_t_t ph)
- int ppl_BD_Shape_int32_t_is_universe (ppl_const_BD_Shape_int32_t_t ph)
- int ppl_BD_Shape_int32_t_is_bounded (ppl_const_BD_Shape_int32_t_t ph)
- int ppl_BD_Shape_int32_t_contains_integer_point (ppl_const_BD_Shape_int32_t_t ph)
- int ppl_BD_Shape_int32_t_is_topologically_closed (ppl_const_BD_Shape_int32_t_t ph)
- int ppl_BD_Shape_int32_t_is_discrete (ppl_const_BD_Shape_int32_t_t ph)
- int ppl_BD_Shape_int32_t_topological_closure_assign (ppl_BD_Shape_int32_t_t ph)
- int ppl_BD_Shape_int32_t_bounds_from_above (ppl_const_BD_Shape_int32_t_t ph, ppl_const_Linear_Expression_t le)
- int ppl_BD_Shape_int32_t_bounds_from_below (ppl_const_BD_Shape_int32_t_t ph, ppl_const_Linear_Expression_t le)
- int ppl_BD_Shape_int32_t_maximize (ppl_const_BD_Shape_int32_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_BD_Shape_int32_t_minimize (ppl_const_BD_Shape_int32_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_BD_Shape_int32_t_maximize_with_point (ppl_const_BD_Shape_int32_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_BD_Shape_int32_t_minimize_with_point (ppl_const_BD_Shape_int32_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_BD_Shape_int32_t_frequency (ppl_const_BD_Shape_int32_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_fn, ppl_Coefficient_t ext_fd, ppl_Coefficient_t ext_vn, ppl_Coefficient_t ext_vd)
- int ppl_BD_Shape_int32_t_contains_BD_Shape_int32_t (ppl_const_BD_Shape_int32_t_t x, ppl_const_BD_Shape_int32_t_t y)
- int ppl_BD_Shape_int32_t_strictly_contains_BD_Shape_int32_t (ppl_const_BD_Shape_int32_t_t x, ppl_const_BD_Shape_int32_t_t y)
- int ppl_BD_Shape_int32_t_is_disjoint_from_BD_Shape_int32_t (ppl_const_BD_Shape_int32_t_t x, ppl_const_BD_Shape_int32_t_t y)
- int ppl_BD_Shape_int32_t_equals_BD_Shape_int32_t (ppl_const_BD_Shape_int32_t_t x, ppl_const_BD_Shape_int32_t_t y)

- int ppl_BD_Shape_int32_t_OK (ppl_const_BD_Shape_int32_t_t ph)
- int ppl_BD_Shape_int32_t_add_constraint (ppl_BD_Shape_int32_t_t ph, ppl_const_Constraint_t c)
- int ppl_BD_Shape_int32_t_add_congruence (ppl_BD_Shape_int32_t_t ph, ppl_const_Congruence_t c)
- int ppl_BD_Shape_int32_t_add_constraints (ppl_BD_Shape_int32_t_t ph, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_int32_t_add_congruences (ppl_BD_Shape_int32_t_t ph, ppl_const_Congruence_System_t cs)
- int ppl_BD_Shape_int32_t_refine_with_constraint (ppl_BD_Shape_int32_t_t ph, ppl_const_Constraint_t c)
- int ppl_BD_Shape_int32_t_refine_with_congruence (ppl_BD_Shape_int32_t_t ph, ppl_const_Congruence_t c)
- int ppl_BD_Shape_int32_t_refine_with_constraints (ppl_BD_Shape_int32_t_t ph, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_int32_t_refine_with_congruences (ppl_BD_Shape_int32_t_t ph, ppl_const_Congruence_System_t cs)
- int ppl_BD_Shape_int32_t_intersection_assign (ppl_BD_Shape_int32_t_t x, ppl_const_BD_Shape_int32_t_t y)
- int ppl_BD_Shape_int32_t_upper_bound_assign (ppl_BD_Shape_int32_t_t x, ppl_const_BD_Shape_int32_t_t y)
- int ppl_BD_Shape_int32_t_difference_assign (ppl_BD_Shape_int32_t_t x, ppl_const_BD_Shape_int32_t_t y)
- int ppl_BD_Shape_int32_t_concatenate_assign (ppl_BD_Shape_int32_t_t x, ppl_const_BD_Shape_int32_t_t y)
- int ppl_BD_Shape_int32_t_time_elapse_assign (ppl_BD_Shape_int32_t_t x, ppl_const_BD_Shape_int32_t_t y)
- int ppl_BD_Shape_int32_t_upper_bound_assign_if_exact (ppl_BD_Shape_int32_t_t x, ppl_const_BD_Shape_int32_t_t y)
- int ppl_BD_Shape_int32_t_simplify_using_context_assign (ppl_BD_Shape_int32_t_t x, ppl_const_BD_Shape_int32_t_t y)
- int ppl_BD_Shape_int32_t_constrains (ppl_BD_Shape_int32_t_t ph, ppl_dimension_type var)
- int ppl_BD_Shape_int32_t_unconstrain_space_dimension (ppl_BD_Shape_int32_t_t ph, ppl_dimension_type var)
- int ppl_BD_Shape_int32_t_unconstrain_space_dimensions (ppl_BD_Shape_int32_t_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_BD_Shape_int32_t_affine_image (ppl_BD_Shape_int32_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_int32_t_affine_preimage (ppl_BD_Shape_int32_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_int32_t_bounded_affine_image (ppl_BD_Shape_int32_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_int32_t_bounded_affine_preimage (ppl_BD_Shape_int32_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_int32_t_generalized_affine_image (ppl_BD_Shape_int32_t_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_int32_t_generalized_affine_preimage (ppl_BD_Shape_int32_t_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)

- int ppl_BD_Shape_int32_t_generalized_affine_image_lhs_rhs (ppl_BD_Shape_int32_t_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_BD_Shape_int32_t_generalized_affine_preimage_lhs_rhs (ppl_BD_Shape_int32_t_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_BD_Shape_int32_t_add_space_dimensions_and_embed (ppl_BD_Shape_int32_t_t ph, ppl_dimension_type d)
- int ppl_BD_Shape_int32_t_add_space_dimensions_and_project (ppl_BD_Shape_int32_t_t ph, ppl_dimension_type d)
- int ppl_BD_Shape_int32_t_remove_space_dimensions (ppl_BD_Shape_int32_t_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_BD_Shape_int32_t_remove_higher_space_dimensions (ppl_BD_Shape_int32_t_t ph, ppl_dimension_type d)
- int ppl_BD_Shape_int32_t_expand_space_dimension (ppl_BD_Shape_int32_t_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_BD_Shape_int32_t_fold_space_dimensions (ppl_BD_Shape_int32_t_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_BD_Shape_int32_t_map_space_dimensions (ppl_BD_Shape_int32_t_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_BD_Shape_int32_t_drop_some_non_integer_points (ppl_BD_Shape_int32_t_t ph, int complexity)
- int ppl_BD_Shape_int32_t_drop_some_non_integer_points_2 (ppl_BD_Shape_int32_t_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_BD_Shape_int32_t_external_memory_in_bytes (ppl_const_BD_Shape_int32_t_t ps, size_t *sz)
- int ppl_BD_Shape_int32_t_total_memory_in_bytes (ppl_const_BD_Shape_int32_t_t ps, size_t *sz)
- int ppl_BD_Shape_int32_t_BHMZ05_widening_assign_with_tokens (ppl_BD_Shape_int32_t_t x, ppl_const_BD_Shape_int32_t_t y, unsigned *tp)
- int ppl_BD_Shape_int32_t_H79_widening_assign_with_tokens (ppl_BD_Shape_int32_t_t x, ppl_const_BD_Shape_int32_t_t y, unsigned *tp)
- int ppl_BD_Shape_int32_t_BHMZ05_widening_assign (ppl_BD_Shape_int32_t_t x, ppl_const_BD_Shape_int32_t_t y)
- int ppl_BD_Shape_int32_t_H79_widening_assign (ppl_BD_Shape_int32_t_t x, ppl_const_BD_Shape_int32_t_t y)
- int ppl_BD_Shape_int32_t_widening_assign_with_tokens (ppl_BD_Shape_int32_t_t x, ppl_const_BD_Shape_int32_t_t y, unsigned *tp)
- int ppl_BD_Shape_int32_t_widening_assign (ppl_BD_Shape_int32_t_t x, ppl_const_BD_Shape_int32_t_t y)
- int ppl_BD_Shape_int32_t_limited_BHMZ05_extrapolation_assign_with_tokens (ppl_BD_Shape_int32_t_t x, ppl_const_BD_Shape_int32_t_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_BD_Shape_int32_t_limited_H79_extrapolation_assign_with_tokens (ppl_BD_Shape_int32_t_t x, ppl_const_BD_Shape_int32_t_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_BD_Shape_int32_t_limited_CC76_extrapolation_assign_with_tokens (ppl_BD_Shape_int32_t_t x, ppl_const_BD_Shape_int32_t_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_BD_Shape_int32_t_limited_BHMZ05_extrapolation_assign (ppl_BD_Shape_int32_t_t x, ppl_const_BD_Shape_int32_t_t y, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_int32_t_limited_H79_extrapolation_assign (ppl_BD_Shape_int32_t_t x, ppl_const_BD_Shape_int32_t_t y, ppl_const_Constraint_System_t cs)

- int ppl_BD_Shape_int32_t_limited_CC76_extrapolation_assign (ppl_BD_Shape_int32_t_t x, ppl_const_BD_Shape_int32_t_t y, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_int32_t_CC76_extrapolation_assign_with_tokens (ppl_BD_Shape_int32_t_t x, ppl_const_BD_Shape_int32_t_t y, unsigned *tp)
- int ppl_BD_Shape_int32_t_CC76_extrapolation_assign (ppl_BD_Shape_int32_t_t x, ppl_const_BD_Shape_int32_t_t y)
- int ppl_BD_Shape_int32_t_CC76_narrowing_assign (ppl_BD_Shape_int32_t_t x, ppl_const_BD_Shape_int32_t_t y)
- int ppl_BD_Shape_int32_t_linear_partition (ppl_const_BD_Shape_int32_t_t x, ppl_const_BD_Shape_int32_t_t y, ppl_BD_Shape_int32_t_t *p_inters, ppl_Pointset_Powerset_NNC_Polyhedron_t *p_rest)
- int ppl_BD_Shape_int32_t_wrap_assign (ppl_BD_Shape_int32_t_t ph, ppl_dimension_type ds[ ], size_t n, enum ppl_enum_Bounded_Integer_Type_Width w, enum ppl_enum_Bounded_Integer_Type_Representation r, enum ppl_enum_Bounded_Integer_Type_Overflow o, const ppl_const_Constraint_System_t *pcs, unsigned complexity_threshold, int wrap_individually)
- int ppl_new_BD_Shape_int32_t_recycle_Constraint_System (ppl_BD_Shape_int32_t_t *pph, ppl_Constraint_System_t cs)
- int ppl_new_BD_Shape_int32_t_recycle_Congruence_System (ppl_BD_Shape_int32_t_t *pph, ppl_Congruence_System_t cs)
- int ppl_new_BD_Shape_int32_t_recycle_Generator_System (ppl_BD_Shape_int32_t_t *pph, ppl_Generator_System_t cs)
- int ppl_assign_BD_Shape_int32_t_from_BD_Shape_int32_t (ppl_BD_Shape_int32_t_t dst, ppl_const_BD_Shape_int32_t_t src)
- int ppl_BD_Shape_int32_t_add_recycled_constraints (ppl_BD_Shape_int32_t_t ph, ppl_Constraint_System_t cs)
- int ppl_BD_Shape_int32_t_add_recycled_congruences (ppl_BD_Shape_int32_t_t ph, ppl_Congruence_System_t cs)
- int ppl_termination_test_MS_BD_Shape_int32_t (ppl_const_BD_Shape_int32_t_t pset)
- int ppl_termination_test_PR_BD_Shape_int32_t (ppl_const_BD_Shape_int32_t_t pset)
- int ppl_one_affine_ranking_function_MS_BD_Shape_int32_t (ppl_const_BD_Shape_int32_t_t pset, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_BD_Shape_int32_t (ppl_const_BD_Shape_int32_t_t pset, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_BD_Shape_int32_t (ppl_const_BD_Shape_int32_t_t pset, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_BD_Shape_int32_t (ppl_const_BD_Shape_int32_t_t pset, ppl_Polyhedron_t ph)
- int ppl_termination_test_MS_BD_Shape_int32_t_2 (ppl_const_BD_Shape_int32_t_t pset_before, ppl_const_BD_Shape_int32_t_t pset_after)
- int ppl_termination_test_PR_BD_Shape_int32_t_2 (ppl_const_BD_Shape_int32_t_t pset_before, ppl_const_BD_Shape_int32_t_t pset_after)
- int ppl_one_affine_ranking_function_MS_BD_Shape_int32_t_2 (ppl_const_BD_Shape_int32_t_t pset_before, ppl_const_BD_Shape_int32_t_t pset_after, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_BD_Shape_int32_t_2 (ppl_const_BD_Shape_int32_t_t pset_before, ppl_const_BD_Shape_int32_t_t pset_after, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_BD_Shape_int32_t_2 (ppl_const_BD_Shape_int32_t_t pset_before, ppl_const_BD_Shape_int32_t_t pset_after, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_BD_Shape_int32_t_2 (ppl_const_BD_Shape_int32_t_t pset_before, ppl_const_BD_Shape_int32_t_t pset_after, ppl_Polyhedron_t ph)
- int ppl_io_print_BD_Shape_int32_t (ppl_const_BD_Shape_int32_t_t x)
- int ppl_io_fprint_BD_Shape_int32_t (FILE *stream, ppl_const_BD_Shape_int32_t_t x)
- int ppl_io_asprint_BD_Shape_int32_t (char **strp, ppl_const_BD_Shape_int32_t_t x)

- int ppl_BD_Shape_int32_t_ascii_dump (ppl_const_BD_Shape_int32_t_t x, FILE *stream)
- int ppl_BD_Shape_int32_t_ascii_load (ppl_BD_Shape_int32_t_t x, FILE *stream)

7.6.1 Detailed Description

Types and functions for ppl_BD_Shape_int32_t_tag.

7.6.2 Friends And Related Function Documentation

7.6.2.1 int ppl_delete_BD_Shape_int32_t (ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.6.2.2 int ppl_new_BD_Shape_int32_t_from_space_dimension (ppl_BD_Shape_int32_t_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.6.2.3 int ppl_new_BD_Shape_int32_t_from_Int8_Box (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.6.2.4 int ppl_new_BD_Shape_int32_t_from_Int16_Box (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.6.2.5 int ppl_new_BD_Shape_int32_t_from_Int32_Box (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.6.2.6 int ppl_new_BD_Shape_int32_t_from_Int64_Box (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.6.2.7 int ppl_new_BD_Shape_int32_t_from_Uint8_Box (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.6.2.8 int ppl_new_BD_Shape_int32_t_from_Uint16_Box (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.6.2.9 int ppl_new_BD_Shape_int32_t_from_Uint32_Box (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.6.2.10 int ppl_new_BD_Shape_int32_t_from_Uint64_Box (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.6.2.11 int ppl_new_BD_Shape_int32_t_from_Z_Box (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.6.2.12 int ppl_new_BD_Shape_int32_t_from_Rational_Box (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.6.2.13 int ppl_new_BD_Shape_int32_t_from_BD_Shape_int8_t (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.6.2.14 int ppl_new_BD_Shape_int32_t_from_BD_Shape_int16_t (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.6.2.15 int ppl_new_BD_Shape_int32_t_from_BD_Shape_int32_t (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.6.2.16 int ppl_new_BD_Shape_int32_t_from_BD_Shape_int64_t (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.6.2.17 int ppl_new_BD_Shape_int32_t_from_BD_Shape_mpz_class (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.6.2.18 int ppl_new_BD_Shape_int32_t_from_BD_Shape_mpq_class (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.6.2.19 int ppl_new_BD_Shape_int32_t_from_Octagonal_Shape_int8_t (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.6.2.20 int ppl_new_BD_Shape_int32_t_from_Octagonal_Shape_int16_t (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.6.2.21 int ppl_new_BD_Shape_int32_t_from_Octagonal_Shape_int32_t (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.6.2.22 int ppl_new_BD_Shape_int32_t_from_Octagonal_Shape_int64_t (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.6.2.23 int ppl_new_BD_Shape_int32_t_from_Octagonal_Shape_mpz_class (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.6.2.24 int ppl_new_BD_Shape_int32_t_from_Octagonal_Shape_mpq_class (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.6.2.25 int ppl_new_BD_Shape_int32_t_from_C_Polyhedron (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.6.2.26 int ppl_new_BD_Shape_int32_t_from_NNC_Polyhedron (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.6.2.27 int ppl_new_BD_Shape_int32_t_from_Grid (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.6.2.28 int ppl_new_BD_Shape_int32_t_from_Float_Box (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.6.2.29 int ppl_new_BD_Shape_int32_t_from_BD_Shape_float (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.6.2.30 int ppl_new_BD_Shape_int32_t_from_Octagonal_Shape_float (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.6.2.31 int ppl_new_BD_Shape_int32_t_from_Double_Box (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.6.2.32 int ppl_new_BD_Shape_int32_t_from_BD_Shape_double (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.6.2.33 int ppl_new_BD_Shape_int32_t_from_Octagonal_Shape_double (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.6.2.34 int ppl_new_BD_Shape_int32_t_from_Long_Double_Box (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.6.2.35 int ppl_new_BD_Shape_int32_t_from_BD_Shape_long_double (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.6.2.36 int ppl_new_BD_Shape_int32_t_from_Octagonal_Shape_long_double (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.6.2.37 int ppl_new_BD_Shape_int32_t_from_Int8_Box_with_complexity (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.6.2.38 int ppl_new_BD_Shape_int32_t_from_Int16_Box_with_complexity (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.6.2.39 int ppl_new_BD_Shape_int32_t_from_Int32_Box_with_complexity (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.6.2.40 int ppl_new_BD_Shape_int32_t_from_Int64_Box_with_complexity (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.6.2.41 int ppl_new_BD_Shape_int32_t_from_Uint8_Box_with_complexity (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.6.2.42 int ppl_new_BD_Shape_int32_t_from_Uint16_Box_with_complexity (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.6.2.43 int ppl_new_BD_Shape_int32_t_from_Uint32_Box_with_complexity (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.6.2.44 int ppl_new_BD_Shape_int32_t_from_Uint64_Box_with_complexity (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.6.2.45 int ppl_new_BD_Shape_int32_t_from_Z_Box_with_complexity (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.6.2.46 int ppl_new_BD_Shape_int32_t_from_Rational_Box_with_complexity (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.6.2.47 int ppl_new_BD_Shape_int32_t_from_BD_Shape_int8_t_with_complexity (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.6.2.48 int ppl_new_BD_Shape_int32_t_from_BD_Shape_int16_t_with_complexity (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.6.2.49 int ppl_new_BD_Shape_int32_t_from_BD_Shape_int32_t_with_complexity (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.6.2.50 int ppl_new_BD_Shape_int32_t_from_BD_Shape_int64_t_with_complexity (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.6.2.51 int ppl_new_BD_Shape_int32_t_from_BD_Shape_mpz_class_with_complexity (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.6.2.52 int ppl_new_BD_Shape_int32_t_from_BD_Shape_mpq_class_with_complexity (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.6.2.53 int ppl_new_BD_Shape_int32_t_from_Octagonal_Shape_int8_t_with_complexity (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.6.2.54 int ppl_new_BD_Shape_int32_t_from_Octagonal_Shape_int16_t_with_complexity (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.6.2.55 int ppl_new_BD_Shape_int32_t_from_Octagonal_Shape_int32_t_with_complexity (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.6.2.56 int ppl_new_BD_Shape_int32_t_from_Octagonal_Shape_int64_t_with_complexity (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.6.2.57 int ppl_new_BD_Shape_int32_t_from_Octagonal_Shape_mpz_class_with_complexity (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.6.2.58 int ppl_new_BD_Shape_int32_t_from_Octagonal_Shape_mpq_class_with_complexity (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.6.2.59 int ppl_new_BD_Shape_int32_t_from_C_Polyhedron_with_complexity (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.6.2.60 int ppl_new_BD_Shape_int32_t_from_NNC_Polyhedron_with_complexity (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.6.2.61 int ppl_new_BD_Shape_int32_t_from_Grid_with_complexity (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.6.2.62 int ppl_new_BD_Shape_int32_t_from_Float_Box_with_complexity (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.6.2.63 int ppl_new_BD_Shape_int32_t_from_BD_Shape_float_with_complexity (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.6.2.64 int ppl_new_BD_Shape_int32_t_from_Octagonal_Shape_float_with_complexity (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.6.2.65 int ppl_new_BD_Shape_int32_t_from_Double_Box_with_complexity (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.6.2.66 int ppl_new_BD_Shape_int32_t_from_BD_Shape_double_with_complexity (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.6.2.67 int ppl_new_BD_Shape_int32_t_from_Octagonal_Shape_double_with_complexity (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.6.2.68 int ppl_new_BD_Shape_int32_t_from_Long_Double_Box_with_complexity (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.6.2.69 int ppl_new_BD_Shape_int32_t_from_BD_Shape_long_double_with_complexity (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.6.2.70 int ppl_new_BD_Shape_int32_t_from_Octagonal_Shape_long_double_with_complexity (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.6.2.71 int ppl_new_BD_Shape_int32_t_from_Constraint_System (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.6.2.72 int ppl_new_BD_Shape_int32_t_from_Congruence_System (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.6.2.73 int ppl_new_BD_Shape_int32_t_from_Generator_System (ppl_BD_Shape_int32_t_t * *pph*, ppl_const_Generator_System_t *cs*) [related]

7.6.2.74 int ppl_BD_Shape_int32_t_space_dimension (ppl_const_BD_Shape_int32_t_t *ph*, ppl_dimension_type * *m*) [related]

7.6.2.75 int ppl_BD_Shape_int32_t_affine_dimension (ppl_const_BD_Shape_int32_t_t *ph*, ppl_dimension_type * *m*) [related]

7.6.2.76 int ppl_BD_Shape_int32_t_relation_with_Constraint (ppl_const_BD_Shape_int32_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.6.2.77 int ppl_BD_Shape_int32_t_relation_with_Generator (ppl_const_BD_Shape_int32_t_t *ph*, ppl_const_Generator_t *c*) [related]

7.6.2.78 int ppl_BD_Shape_int32_t_relation_with_Congruence (ppl_const_BD_Shape_int32_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.6.2.79 int ppl_BD_Shape_int32_t_get_constraints (ppl_const_BD_Shape_int32_t_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.6.2.80 int ppl_BD_Shape_int32_t_get_congruences (ppl_const_BD_Shape_int32_t_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.6.2.81 int ppl_BD_Shape_int32_t_get_minimized_constraints (ppl_const_BD_Shape_int32_t_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.6.2.82 int ppl_BD_Shape_int32_t_get_minimized_congruences (ppl_const_BD_Shape_int32_t_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.6.2.83 int ppl_BD_Shape_int32_t_is_empty (ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.6.2.84 int ppl_BD_Shape_int32_t_is_universe (ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.6.2.85 int ppl_BD_Shape_int32_t_is_bounded (ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.6.2.86 int ppl_BD_Shape_int32_t_contains_integer_point (ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.6.2.87 int ppl_BD_Shape_int32_t_is_topologically_closed (ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.6.2.88 int ppl_BD_Shape_int32_t_is_discrete (ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.6.2.89 int ppl_BD_Shape_int32_t_topological_closure_assign (ppl_BD_Shape_int32_t_t *ph*) [related]

7.6.2.90 int ppl_BD_Shape_int32_t_bounds_from_above (ppl_const_BD_Shape_int32_t_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.6.2.91 int ppl_BD_Shape_int32_t_bounds_from_below (ppl_const_BD_Shape_int32_t_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.6.2.92 int ppl_BD_Shape_int32_t_maximize (ppl_const_BD_Shape_int32_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.6.2.93 int ppl_BD_Shape_int32_t_minimize (ppl_const_BD_Shape_int32_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.6.2.94 int ppl_BD_Shape_int32_t_maximize_with_point (ppl_const_BD_Shape_int32_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.6.2.95 int ppl_BD_Shape_int32_t_minimize_with_point (ppl_const_BD_Shape_int32_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.6.2.96 int ppl_BD_Shape_int32_t_frequency (ppl_const_BD_Shape_int32_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_fn*, ppl_Coefficient_t *ext_fd*, ppl_Coefficient_t *ext_vn*, ppl_Coefficient_t *ext_vd*) [related]

7.6.2.97 int ppl_BD_Shape_int32_t_contains_BD_Shape_int32_t (ppl_const_BD_Shape_int32_t_t *x*, ppl_const_BD_Shape_int32_t_t *y*) [related]

7.6.2.98 int ppl_BD_Shape_int32_t_strictly_contains_BD_Shape_int32_t (ppl_const_BD_Shape_int32_t_t *x*, ppl_const_BD_Shape_int32_t_t *y*) [related]

7.6.2.99 int ppl_BD_Shape_int32_t_is_disjoint_from_BD_Shape_int32_t (ppl_const_BD_Shape_int32_t_t *x*, ppl_const_BD_Shape_int32_t_t *y*) [related]

7.6.2.100 int ppl_BD_Shape_int32_t_equals_BD_Shape_int32_t (ppl_const_BD_Shape_int32_t_t *x*, ppl_const_BD_Shape_int32_t_t *y*) [related]

7.6.2.101 int ppl_BD_Shape_int32_t_OK (ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.6.2.102 int ppl_BD_Shape_int32_t_add_constraint (ppl_BD_Shape_int32_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.6.2.103 int ppl_BD_Shape_int32_t_add_congruence (ppl_BD_Shape_int32_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.6.2.104 int ppl_BD_Shape_int32_t_add_constraints (ppl_BD_Shape_int32_t_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.6.2.105 int ppl_BD_Shape_int32_t_add_congruences (ppl_BD_Shape_int32_t_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.6.2.106 int ppl_BD_Shape_int32_t_refine_with_constraint (ppl_BD_Shape_int32_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.6.2.107 int ppl_BD_Shape_int32_t_refine_with_congruence (ppl_BD_Shape_int32_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.6.2.108 int ppl_BD_Shape_int32_t_refine_with_constraints (ppl_BD_Shape_int32_t_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.6.2.109 int ppl_BD_Shape_int32_t_refine_with_congruences (ppl_BD_Shape_int32_t_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.6.2.110 int ppl_BD_Shape_int32_t_intersection_assign (ppl_BD_Shape_int32_t_t *x*, ppl_const_BD_Shape_int32_t_t *y*) [related]

7.6.2.111 int ppl_BD_Shape_int32_t_upper_bound_assign (ppl_BD_Shape_int32_t_t *x*, ppl_const_BD_Shape_int32_t_t *y*) [related]

7.6.2.112 int ppl_BD_Shape_int32_t_difference_assign (ppl_BD_Shape_int32_t_t *x*, ppl_const_BD_Shape_int32_t_t *y*) [related]

7.6.2.113 int ppl_BD_Shape_int32_t_concatenate_assign (ppl_BD_Shape_int32_t_t *x*, ppl_const_BD_Shape_int32_t_t *y*) [related]

7.6.2.114 int ppl_BD_Shape_int32_t_time_elapse_assign (ppl_BD_Shape_int32_t_t *x*, ppl_const_BD_Shape_int32_t_t *y*) [related]

7.6.2.115 int ppl_BD_Shape_int32_t_upper_bound_assign_if_exact (ppl_BD_Shape_int32_t_t *x*, ppl_const_BD_Shape_int32_t_t *y*) [related]

7.6.2.116 int ppl_BD_Shape_int32_t_simplify_using_context_assign (ppl_BD_Shape_int32_t_t *x*, ppl_const_BD_Shape_int32_t_t *y*) [related]

7.6.2.117 int ppl_BD_Shape_int32_t_constrains (ppl_BD_Shape_int32_t_t *ph*, ppl_dimension_type *var*) [related]

7.6.2.118 int ppl_BD_Shape_int32_t_unconstrain_space_dimension (ppl_BD_Shape_int32_t_t *ph*, ppl_dimension_type *var*) [related]

7.6.2.119 int ppl_BD_Shape_int32_t_unconstrain_space_dimensions (ppl_BD_Shape_int32_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.6.2.120 int ppl_BD_Shape_int32_t_affine_image (ppl_BD_Shape_int32_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.6.2.121 int ppl_BD_Shape_int32_t_affine_preimage (ppl_BD_Shape_int32_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.6.2.122 int ppl_BD_Shape_int32_t_bounded_affine_image (ppl_BD_Shape_int32_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.6.2.123 int ppl_BD_Shape_int32_t_bounded_affine_preimage (ppl_BD_Shape_int32_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.6.2.124 int ppl_BD_Shape_int32_t_generalized_affine_image (ppl_BD_Shape_int32_t_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.6.2.125 int ppl_BD_Shape_int32_t_generalized_affine_preimage (ppl_BD_Shape_int32_t_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.6.2.126 int ppl_BD_Shape_int32_t_generalized_affine_image_lhs_rhs (ppl_BD_Shape_int32_t_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.6.2.127 int ppl_BD_Shape_int32_t_generalized_affine_preimage_lhs_rhs (ppl_BD_Shape_int32_t_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.6.2.128 int ppl_BD_Shape_int32_t_add_space_dimensions_and_embed (ppl_BD_Shape_int32_t_t *ph*, ppl_dimension_type *d*) [related]

7.6.2.129 int ppl_BD_Shape_int32_t_add_space_dimensions_and_project (ppl_BD_Shape_int32_t_t *ph*, ppl_dimension_type *d*) [related]

7.6.2.130 int ppl_BD_Shape_int32_t_remove_space_dimensions (ppl_BD_Shape_int32_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.6.2.131 int ppl_BD_Shape_int32_t_remove_higher_space_dimensions (ppl_BD_Shape_int32_t_t *ph*, ppl_dimension_type *d*) [related]

7.6.2.132 int ppl_BD_Shape_int32_t_expand_space_dimension (ppl_BD_Shape_int32_t_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.6.2.133 int ppl_BD_Shape_int32_t_fold_space_dimensions (ppl_BD_Shape_int32_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.6.2.134 int ppl_BD_Shape_int32_t_map_space_dimensions (ppl_BD_Shape_int32_t_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.6.2.135 int ppl_BD_Shape_int32_t_drop_some_non_integer_points (ppl_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.6.2.136 int ppl_BD_Shape_int32_t_drop_some_non_integer_points_2 (ppl_BD_Shape_int32_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.6.2.137 int ppl_BD_Shape_int32_t_external_memory_in_bytes (ppl_const_BD_Shape_int32_t_t *ps*, size_t * *sz*) [related]

7.6.2.138 int ppl_BD_Shape_int32_t_total_memory_in_bytes (ppl_const_BD_Shape_int32_t_t *ps*, size_t * *sz*) [related]

7.6.2.139 int ppl_BD_Shape_int32_t_BHMZ05_widening_assign_with_tokens (ppl_BD_Shape_int32_t_t *x*, ppl_const_BD_Shape_int32_t_t *y*, unsigned * *tp*) [related]

7.6.2.140 int ppl_BD_Shape_int32_t_H79_widening_assign_with_tokens (ppl_BD_Shape_int32_t_t *x*, ppl_const_BD_Shape_int32_t_t *y*, unsigned * *tp*) [related]

7.6.2.141 int ppl_BD_Shape_int32_t_BHMZ05_widening_assign (ppl_BD_Shape_int32_t_t *x*, ppl_const_BD_Shape_int32_t_t *y*) [related]

7.6.2.142 int ppl_BD_Shape_int32_t_H79_widening_assign (ppl_BD_Shape_int32_t_t *x*, ppl_const_BD_Shape_int32_t_t *y*) [related]

7.6.2.143 int ppl_BD_Shape_int32_t_widening_assign_with_tokens (ppl_BD_Shape_int32_t_t *x*, ppl_const_BD_Shape_int32_t_t *y*, unsigned * *tp*) [related]

7.6.2.144 int ppl_BD_Shape_int32_t_widening_assign (ppl_BD_Shape_int32_t_t *x*, ppl_const_BD_Shape_int32_t_t *y*) [related]

7.6.2.145 int ppl_BD_Shape_int32_t_limited_BHMZ05_extrapolation_assign_with_tokens (ppl_BD_Shape_int32_t_t *x*, ppl_const_BD_Shape_int32_t_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.6.2.146 int ppl_BD_Shape_int32_t_limited_H79_extrapolation_assign_with_tokens (ppl_BD_Shape_int32_t_t *x*, ppl_const_BD_Shape_int32_t_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.6.2.147 int ppl_BD_Shape_int32_t_limited_CC76_extrapolation_assign_with_tokens (ppl_BD_Shape_int32_t_t *x*, ppl_const_BD_Shape_int32_t_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.6.2.148 int ppl_BD_Shape_int32_t_limited_BHMZ05_extrapolation_assign (ppl_BD_Shape_int32_t_t *x*, ppl_const_BD_Shape_int32_t_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.6.2.149 int ppl_BD_Shape_int32_t_limited_H79_extrapolation_assign (ppl_BD_Shape_int32_t_t *x*, ppl_const_BD_Shape_int32_t_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.6.2.150 int ppl_BD_Shape_int32_t_limited_CC76_extrapolation_assign (ppl_BD_Shape_int32_t_t *x*, ppl_const_BD_Shape_int32_t_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.6.2.151 int ppl_BD_Shape_int32_t_CC76_extrapolation_assign_with_tokens (ppl_BD_Shape_int32_t_t *x*, ppl_const_BD_Shape_int32_t_t *y*, unsigned * *tp*) [related]

7.6.2.152 int ppl_BD_Shape_int32_t_CC76_extrapolation_assign (ppl_BD_Shape_int32_t_t *x*, ppl_const_BD_Shape_int32_t_t *y*) [related]

7.6.2.153 int ppl_BD_Shape_int32_t_CC76_narrowing_assign (ppl_BD_Shape_int32_t_t *x*, ppl_const_BD_Shape_int32_t_t *y*) [related]

7.6.2.154 int ppl_BD_Shape_int32_t_linear_partition (ppl_const_BD_Shape_int32_t_t *x*, ppl_const_BD_Shape_int32_t_t *y*, ppl_BD_Shape_int32_t_t * *p_inters*, ppl_Pointset_Powerset_NNC_Polyhedron_t * *p_rest*) [related]

7.6.2.155 int ppl_BD_Shape_int32_t_wrap_assign (ppl_BD_Shape_int32_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, enum ppl_enum_Bounded_Integer_Type_Width *w*, enum ppl_enum_Bounded_Integer_Type_Representation *r*, enum ppl_enum_Bounded_Integer_Type_Overflow *o*, const ppl_const_Constraint_System_t * *pcs*, unsigned *complexity_threshold*, int *wrap_individually*) [related]

7.6.2.156 int ppl_new_BD_Shape_int32_t_recycle_Constraint_System (ppl_BD_Shape_int32_t_t * *pph*, ppl_Constraint_System_t *cs*) [related]

7.6.2.157 int ppl_new_BD_Shape_int32_t_recycle_Congruence_System (ppl_BD_Shape_int32_t_t * *pph*, ppl_Congruence_System_t *cs*) [related]

7.6.2.158 int ppl_new_BD_Shape_int32_t_recycle_Generator_System (ppl_BD_Shape_int32_t_t * *pph*, ppl_Generator_System_t *cs*) [related]

7.6.2.159 int ppl_assign_BD_Shape_int32_t_from_BD_Shape_int32_t (ppl_BD_Shape_int32_t_t *dst*, ppl_const_BD_Shape_int32_t_t *src*) [related]

7.6.2.160 int ppl_BD_Shape_int32_t_add_recycled_constraints (ppl_BD_Shape_int32_t_t *ph*, ppl_Constraint_System_t *cs*) [related]

7.6.2.161 int ppl_BD_Shape_int32_t_add_recycled_congruences (ppl_BD_Shape_int32_t_t *ph*, ppl_Congruence_System_t *cs*) [related]

7.6.2.162 int ppl_termination_test_MS_BD_Shape_int32_t (ppl_const_BD_Shape_int32_t_t *pset*) [related]

7.6.2.163 int ppl_termination_test_PR_BD_Shape_int32_t (ppl_const_BD_Shape_int32_t_t *pset*) [related]

7.6.2.164 int ppl_one_affine_ranking_function_MS_BD_Shape_int32_t (ppl_const_BD_Shape_int32_t_t *pset*, ppl_Generator_t *point*) [related]

7.6.2.165 int ppl_one_affine_ranking_function_PR_BD_Shape_int32_t (ppl_const_BD_Shape_int32_t_t *pset*, ppl_Generator_t *point*) [related]

7.6.2.166 int ppl_all_affine_ranking_functions_MS_BD_Shape_int32_t (ppl_const_BD_Shape_int32_t_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.6.2.167 int ppl_all_affine_ranking_functions_PR_BD_Shape_int32_t (ppl_const_BD_Shape_int32_t_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.6.2.168 int ppl_termination_test_MS_BD_Shape_int32_t_2 (ppl_const_BD_Shape_int32_t_t *pset_before*, ppl_const_BD_Shape_int32_t_t *pset_after*) [related]

7.6.2.169 int ppl_termination_test_PR_BD_Shape_int32_t_2 (ppl_const_BD_Shape_int32_t_t *pset_before*, ppl_const_BD_Shape_int32_t_t *pset_after*) [related]

7.6.2.170 int ppl_one_affine_ranking_function_MS_BD_Shape_int32_t_2 (ppl_const_BD_Shape_int32_t_t *pset_before*, ppl_const_BD_Shape_int32_t_t *pset_after*, ppl_Generator_t *point*) [related]

7.6.2.171 int ppl_one_affine_ranking_function_PR_BD_Shape_int32_t_2 (ppl_const_BD_Shape_-int32_t_t *pset_before*, ppl_const_BD_Shape_int32_t_t *pset_after*, ppl_Generator_t *point*) [related]

7.6.2.172 int ppl_all_affine_ranking_functions_MS_BD_Shape_int32_t_2 (ppl_const_BD_Shape_int32_t_t *pset_before*, ppl_const_BD_Shape_int32_t_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.6.2.173 int ppl_all_affine_ranking_functions_PR_BD_Shape_int32_t_2 (ppl_const_BD_Shape_int32_t_t *pset_before*, ppl_const_BD_Shape_int32_t_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.6.2.174 int ppl_io_print_BD_Shape_int32_t (ppl_const_BD_Shape_int32_t_t *x*) [related]

7.6.2.175 int ppl_io_fprint_BD_Shape_int32_t (FILE * *stream*, ppl_const_BD_Shape_int32_t_t *x*) [related]

7.6.2.176 int ppl_io_asprint_BD_Shape_int32_t (char ** *strp*, ppl_const_BD_Shape_int32_t_t *x*) [related]

7.6.2.177 int ppl_BD_Shape_int32_t_ascii_dump (ppl_const_BD_Shape_int32_t_t *x*, FILE * *stream*) [related]

7.6.2.178 int ppl_BD_Shape_int32_t_ascii_load (ppl_BD_Shape_int32_t_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.7 ppl_BD_Shape_int64_t_tag Interface Reference

Types and functions for ppl_BD_Shape_int64_t_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_BD_Shape_int64_t (ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_BD_Shape_int64_t_from_space_dimension (ppl_BD_Shape_int64_t_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_BD_Shape_int64_t_from_Int8_Box (ppl_BD_Shape_int64_t_t *pph, ppl_const_Int8_Box_t ph)

- int ppl_new_BD_Shape_int64_t_from_Int16_Box (ppl_BD_Shape_int64_t_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_BD_Shape_int64_t_from_Int32_Box (ppl_BD_Shape_int64_t_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_BD_Shape_int64_t_from_Int64_Box (ppl_BD_Shape_int64_t_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_BD_Shape_int64_t_from_Uint8_Box (ppl_BD_Shape_int64_t_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_BD_Shape_int64_t_from_Uint16_Box (ppl_BD_Shape_int64_t_t *pph, ppl_const_Uint16_Box_t ph)
- int ppl_new_BD_Shape_int64_t_from_Uint32_Box (ppl_BD_Shape_int64_t_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_BD_Shape_int64_t_from_Uint64_Box (ppl_BD_Shape_int64_t_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_BD_Shape_int64_t_from_Z_Box (ppl_BD_Shape_int64_t_t *pph, ppl_const_Z_Box_t ph)
- int ppl_new_BD_Shape_int64_t_from_Rational_Box (ppl_BD_Shape_int64_t_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_BD_Shape_int64_t_from_BD_Shape_int8_t (ppl_BD_Shape_int64_t_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_BD_Shape_int64_t_from_BD_Shape_int16_t (ppl_BD_Shape_int64_t_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_BD_Shape_int64_t_from_BD_Shape_int32_t (ppl_BD_Shape_int64_t_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_BD_Shape_int64_t_from_BD_Shape_int64_t (ppl_BD_Shape_int64_t_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_BD_Shape_int64_t_from_BD_Shape_mpz_class (ppl_BD_Shape_int64_t_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_BD_Shape_int64_t_from_BD_Shape_mpq_class (ppl_BD_Shape_int64_t_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_BD_Shape_int64_t_from_Octagonal_Shape_int8_t (ppl_BD_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_BD_Shape_int64_t_from_Octagonal_Shape_int16_t (ppl_BD_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_BD_Shape_int64_t_from_Octagonal_Shape_int32_t (ppl_BD_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_BD_Shape_int64_t_from_Octagonal_Shape_int64_t (ppl_BD_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_BD_Shape_int64_t_from_Octagonal_Shape_mpz_class (ppl_BD_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_BD_Shape_int64_t_from_Octagonal_Shape_mpq_class (ppl_BD_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_BD_Shape_int64_t_from_C_Polyhedron (ppl_BD_Shape_int64_t_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_BD_Shape_int64_t_from_NNC_Polyhedron (ppl_BD_Shape_int64_t_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_BD_Shape_int64_t_from_Grid (ppl_BD_Shape_int64_t_t *pph, ppl_const_Grid_t ph)
- int ppl_new_BD_Shape_int64_t_from_Float_Box (ppl_BD_Shape_int64_t_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_BD_Shape_int64_t_from_BD_Shape_float (ppl_BD_Shape_int64_t_t *pph, ppl_const_BD_Shape_float_t ph)

- int ppl_new_BD_Shape_int64_t_from_Octagonal_Shape_float (ppl_BD_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_BD_Shape_int64_t_from_Double_Box (ppl_BD_Shape_int64_t_t *pph, ppl_const_Double_Box_t ph)
- int ppl_new_BD_Shape_int64_t_from_BD_Shape_double (ppl_BD_Shape_int64_t_t *pph, ppl_const_BD_Shape_double_t ph)
- int ppl_new_BD_Shape_int64_t_from_Octagonal_Shape_double (ppl_BD_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_BD_Shape_int64_t_from_Long_Double_Box (ppl_BD_Shape_int64_t_t *pph, ppl_const_Long_Double_Box_t ph)
- int ppl_new_BD_Shape_int64_t_from_BD_Shape_long_double (ppl_BD_Shape_int64_t_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_BD_Shape_int64_t_from_Octagonal_Shape_long_double (ppl_BD_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_BD_Shape_int64_t_from_Int8_Box_with_complexity (ppl_BD_Shape_int64_t_t *pph, ppl_const_Int8_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int64_t_from_Int16_Box_with_complexity (ppl_BD_Shape_int64_t_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int64_t_from_Int32_Box_with_complexity (ppl_BD_Shape_int64_t_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int64_t_from_Int64_Box_with_complexity (ppl_BD_Shape_int64_t_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int64_t_from_Uint8_Box_with_complexity (ppl_BD_Shape_int64_t_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int64_t_from_Uint16_Box_with_complexity (ppl_BD_Shape_int64_t_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int64_t_from_Uint32_Box_with_complexity (ppl_BD_Shape_int64_t_t *pph, ppl_const_Uint32_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int64_t_from_Uint64_Box_with_complexity (ppl_BD_Shape_int64_t_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int64_t_from_Z_Box_with_complexity (ppl_BD_Shape_int64_t_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int64_t_from_Rational_Box_with_complexity (ppl_BD_Shape_int64_t_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int64_t_from_BD_Shape_int8_t_with_complexity (ppl_BD_Shape_int64_t_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)
- int ppl_new_BD_Shape_int64_t_from_BD_Shape_int16_t_with_complexity (ppl_BD_Shape_int64_t_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_BD_Shape_int64_t_from_BD_Shape_int32_t_with_complexity (ppl_BD_Shape_int64_t_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_BD_Shape_int64_t_from_BD_Shape_int64_t_with_complexity (ppl_BD_Shape_int64_t_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_BD_Shape_int64_t_from_BD_Shape_mpz_class_with_complexity (ppl_BD_Shape_int64_t_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_BD_Shape_int64_t_from_BD_Shape_mpq_class_with_complexity (ppl_BD_Shape_int64_t_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_BD_Shape_int64_t_from_Octagonal_Shape_int8_t_with_complexity (ppl_BD_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_BD_Shape_int64_t_from_Octagonal_Shape_int16_t_with_complexity (ppl_BD_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_BD_Shape_int64_t_from_Octagonal_Shape_int32_t_with_complexity (ppl_BD_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)

- int ppl_new_BD_Shape_int64_t_from_Octagonal_Shape_int64_t_with_complexity (ppl_BD_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_new_BD_Shape_int64_t_from_Octagonal_Shape_mpz_class_with_complexity (ppl_BD_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_BD_Shape_int64_t_from_Octagonal_Shape_mpq_class_with_complexity (ppl_BD_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_BD_Shape_int64_t_from_C_Polyhedron_with_complexity (ppl_BD_Shape_int64_t_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_BD_Shape_int64_t_from_NNC_Polyhedron_with_complexity (ppl_BD_Shape_int64_t_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_BD_Shape_int64_t_from_Grid_with_complexity (ppl_BD_Shape_int64_t_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_BD_Shape_int64_t_from_Float_Box_with_complexity (ppl_BD_Shape_int64_t_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int64_t_from_BD_Shape_float_with_complexity (ppl_BD_Shape_int64_t_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)
- int ppl_new_BD_Shape_int64_t_from_Octagonal_Shape_float_with_complexity (ppl_BD_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_BD_Shape_int64_t_from_Double_Box_with_complexity (ppl_BD_Shape_int64_t_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int64_t_from_BD_Shape_double_with_complexity (ppl_BD_Shape_int64_t_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_BD_Shape_int64_t_from_Octagonal_Shape_double_with_complexity (ppl_BD_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_BD_Shape_int64_t_from_Long_Double_Box_with_complexity (ppl_BD_Shape_int64_t_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int64_t_from_BD_Shape_long_double_with_complexity (ppl_BD_Shape_int64_t_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_BD_Shape_int64_t_from_Octagonal_Shape_long_double_with_complexity (ppl_BD_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_BD_Shape_int64_t_from_Constraint_System (ppl_BD_Shape_int64_t_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_BD_Shape_int64_t_from_Congruence_System (ppl_BD_Shape_int64_t_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_new_BD_Shape_int64_t_from_Generator_System (ppl_BD_Shape_int64_t_t *pph, ppl_const_Generator_System_t cs)
- int ppl_BD_Shape_int64_t_space_dimension (ppl_const_BD_Shape_int64_t_t ph, ppl_dimension_type *m)
- int ppl_BD_Shape_int64_t_affine_dimension (ppl_const_BD_Shape_int64_t_t ph, ppl_dimension_type *m)
- int ppl_BD_Shape_int64_t_relation_with_Constraint (ppl_const_BD_Shape_int64_t_t ph, ppl_const_Constraint_t c)
- int ppl_BD_Shape_int64_t_relation_with_Generator (ppl_const_BD_Shape_int64_t_t ph, ppl_const_Generator_t c)
- int ppl_BD_Shape_int64_t_relation_with_Congruence (ppl_const_BD_Shape_int64_t_t ph, ppl_const_Congruence_t c)
- int ppl_BD_Shape_int64_t_get_constraints (ppl_const_BD_Shape_int64_t_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_BD_Shape_int64_t_get_congruences (ppl_const_BD_Shape_int64_t_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_BD_Shape_int64_t_get_minimized_constraints (ppl_const_BD_Shape_int64_t_t ph, ppl_const_Constraint_System_t *pcs)

- int ppl_BD_Shape_int64_t_get_minimized_congruences (ppl_const_BD_Shape_int64_t_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_BD_Shape_int64_t_is_empty (ppl_const_BD_Shape_int64_t_t ph)
- int ppl_BD_Shape_int64_t_is_universe (ppl_const_BD_Shape_int64_t_t ph)
- int ppl_BD_Shape_int64_t_is_bounded (ppl_const_BD_Shape_int64_t_t ph)
- int ppl_BD_Shape_int64_t_contains_integer_point (ppl_const_BD_Shape_int64_t_t ph)
- int ppl_BD_Shape_int64_t_is_topologically_closed (ppl_const_BD_Shape_int64_t_t ph)
- int ppl_BD_Shape_int64_t_is_discrete (ppl_const_BD_Shape_int64_t_t ph)
- int ppl_BD_Shape_int64_t_topological_closure_assign (ppl_BD_Shape_int64_t_t ph)
- int ppl_BD_Shape_int64_t_bounds_from_above (ppl_const_BD_Shape_int64_t_t ph, ppl_const_Linear_Expression_t le)
- int ppl_BD_Shape_int64_t_bounds_from_below (ppl_const_BD_Shape_int64_t_t ph, ppl_const_Linear_Expression_t le)
- int ppl_BD_Shape_int64_t_maximize (ppl_const_BD_Shape_int64_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_BD_Shape_int64_t_minimize (ppl_const_BD_Shape_int64_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_BD_Shape_int64_t_maximize_with_point (ppl_const_BD_Shape_int64_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_BD_Shape_int64_t_minimize_with_point (ppl_const_BD_Shape_int64_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_BD_Shape_int64_t_frequency (ppl_const_BD_Shape_int64_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_fn, ppl_Coefficient_t ext_fd, ppl_Coefficient_t ext_vn, ppl_Coefficient_t ext_vd)
- int ppl_BD_Shape_int64_t_contains_BD_Shape_int64_t (ppl_const_BD_Shape_int64_t_t x, ppl_const_BD_Shape_int64_t_t y)
- int ppl_BD_Shape_int64_t_strictly_contains_BD_Shape_int64_t (ppl_const_BD_Shape_int64_t_t x, ppl_const_BD_Shape_int64_t_t y)
- int ppl_BD_Shape_int64_t_is_disjoint_from_BD_Shape_int64_t (ppl_const_BD_Shape_int64_t_t x, ppl_const_BD_Shape_int64_t_t y)
- int ppl_BD_Shape_int64_t_equals_BD_Shape_int64_t (ppl_const_BD_Shape_int64_t_t x, ppl_const_BD_Shape_int64_t_t y)
- int ppl_BD_Shape_int64_t_OK (ppl_const_BD_Shape_int64_t_t ph)
- int ppl_BD_Shape_int64_t_add_constraint (ppl_BD_Shape_int64_t_t ph, ppl_const_Constraint_t c)
- int ppl_BD_Shape_int64_t_add_congruence (ppl_BD_Shape_int64_t_t ph, ppl_const_Congruence_t c)
- int ppl_BD_Shape_int64_t_add_constraints (ppl_BD_Shape_int64_t_t ph, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_int64_t_add_congruences (ppl_BD_Shape_int64_t_t ph, ppl_const_Congruence_System_t cs)
- int ppl_BD_Shape_int64_t_refine_with_constraint (ppl_BD_Shape_int64_t_t ph, ppl_const_Constraint_t c)
- int ppl_BD_Shape_int64_t_refine_with_congruence (ppl_BD_Shape_int64_t_t ph, ppl_const_Congruence_t c)
- int ppl_BD_Shape_int64_t_refine_with_constraints (ppl_BD_Shape_int64_t_t ph, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_int64_t_refine_with_congruences (ppl_BD_Shape_int64_t_t ph, ppl_const_Congruence_System_t cs)
- int ppl_BD_Shape_int64_t_intersection_assign (ppl_BD_Shape_int64_t_t x, ppl_const_BD_Shape_int64_t_t y)

- int ppl_BD_Shape_int64_t_upper_bound_assign (ppl_BD_Shape_int64_t_t x, ppl_const_BD_Shape_int64_t_t y)
- int ppl_BD_Shape_int64_t_difference_assign (ppl_BD_Shape_int64_t_t x, ppl_const_BD_Shape_int64_t_t y)
- int ppl_BD_Shape_int64_t_concatenate_assign (ppl_BD_Shape_int64_t_t x, ppl_const_BD_Shape_int64_t_t y)
- int ppl_BD_Shape_int64_t_time_elapse_assign (ppl_BD_Shape_int64_t_t x, ppl_const_BD_Shape_int64_t_t y)
- int ppl_BD_Shape_int64_t_upper_bound_assign_if_exact (ppl_BD_Shape_int64_t_t x, ppl_const_BD_Shape_int64_t_t y)
- int ppl_BD_Shape_int64_t_simplify_using_context_assign (ppl_BD_Shape_int64_t_t x, ppl_const_BD_Shape_int64_t_t y)
- int ppl_BD_Shape_int64_t_constrains (ppl_BD_Shape_int64_t_t ph, ppl_dimension_type var)
- int ppl_BD_Shape_int64_t_unconstrain_space_dimension (ppl_BD_Shape_int64_t_t ph, ppl_dimension_type var)
- int ppl_BD_Shape_int64_t_unconstrain_space_dimensions (ppl_BD_Shape_int64_t_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_BD_Shape_int64_t_affine_image (ppl_BD_Shape_int64_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_int64_t_affine_preimage (ppl_BD_Shape_int64_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_int64_t_bounded_affine_image (ppl_BD_Shape_int64_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_int64_t_bounded_affine_preimage (ppl_BD_Shape_int64_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_int64_t_generalized_affine_image (ppl_BD_Shape_int64_t_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_int64_t_generalized_affine_preimage (ppl_BD_Shape_int64_t_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_int64_t_generalized_affine_image_lhs_rhs (ppl_BD_Shape_int64_t_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_BD_Shape_int64_t_generalized_affine_preimage_lhs_rhs (ppl_BD_Shape_int64_t_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_BD_Shape_int64_t_add_space_dimensions_and_embed (ppl_BD_Shape_int64_t_t ph, ppl_dimension_type d)
- int ppl_BD_Shape_int64_t_add_space_dimensions_and_project (ppl_BD_Shape_int64_t_t ph, ppl_dimension_type d)
- int ppl_BD_Shape_int64_t_remove_space_dimensions (ppl_BD_Shape_int64_t_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_BD_Shape_int64_t_remove_higher_space_dimensions (ppl_BD_Shape_int64_t_t ph, ppl_dimension_type d)
- int ppl_BD_Shape_int64_t_expand_space_dimension (ppl_BD_Shape_int64_t_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_BD_Shape_int64_t_fold_space_dimensions (ppl_BD_Shape_int64_t_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)

- int ppl_BD_Shape_int64_t_map_space_dimensions (ppl_BD_Shape_int64_t_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_BD_Shape_int64_t_drop_some_non_integer_points (ppl_BD_Shape_int64_t_t ph, int complexity)
- int ppl_BD_Shape_int64_t_drop_some_non_integer_points_2 (ppl_BD_Shape_int64_t_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_BD_Shape_int64_t_external_memory_in_bytes (ppl_const_BD_Shape_int64_t_t ps, size_t *sz)
- int ppl_BD_Shape_int64_t_total_memory_in_bytes (ppl_const_BD_Shape_int64_t_t ps, size_t *sz)
- int ppl_BD_Shape_int64_t_BHMZ05_widening_assign_with_tokens (ppl_BD_Shape_int64_t_t x, ppl_const_BD_Shape_int64_t_t y, unsigned *tp)
- int ppl_BD_Shape_int64_t_H79_widening_assign_with_tokens (ppl_BD_Shape_int64_t_t x, ppl_const_BD_Shape_int64_t_t y, unsigned *tp)
- int ppl_BD_Shape_int64_t_BHMZ05_widening_assign (ppl_BD_Shape_int64_t_t x, ppl_const_BD_Shape_int64_t_t y)
- int ppl_BD_Shape_int64_t_H79_widening_assign (ppl_BD_Shape_int64_t_t x, ppl_const_BD_Shape_int64_t_t y)
- int ppl_BD_Shape_int64_t_widening_assign_with_tokens (ppl_BD_Shape_int64_t_t x, ppl_const_BD_Shape_int64_t_t y, unsigned *tp)
- int ppl_BD_Shape_int64_t_widening_assign (ppl_BD_Shape_int64_t_t x, ppl_const_BD_Shape_int64_t_t y)
- int ppl_BD_Shape_int64_t_limited_BHMZ05_extrapolation_assign_with_tokens (ppl_BD_Shape_int64_t_t x, ppl_const_BD_Shape_int64_t_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_BD_Shape_int64_t_limited_H79_extrapolation_assign_with_tokens (ppl_BD_Shape_int64_t_t x, ppl_const_BD_Shape_int64_t_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_BD_Shape_int64_t_limited_CC76_extrapolation_assign_with_tokens (ppl_BD_Shape_int64_t_t x, ppl_const_BD_Shape_int64_t_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_BD_Shape_int64_t_limited_BHMZ05_extrapolation_assign (ppl_BD_Shape_int64_t_t x, ppl_const_BD_Shape_int64_t_t y, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_int64_t_limited_H79_extrapolation_assign (ppl_BD_Shape_int64_t_t x, ppl_const_BD_Shape_int64_t_t y, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_int64_t_limited_CC76_extrapolation_assign (ppl_BD_Shape_int64_t_t x, ppl_const_BD_Shape_int64_t_t y, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_int64_t_CC76_extrapolation_assign_with_tokens (ppl_BD_Shape_int64_t_t x, ppl_const_BD_Shape_int64_t_t y, unsigned *tp)
- int ppl_BD_Shape_int64_t_CC76_extrapolation_assign (ppl_BD_Shape_int64_t_t x, ppl_const_BD_Shape_int64_t_t y)
- int ppl_BD_Shape_int64_t_CC76_narrowing_assign (ppl_BD_Shape_int64_t_t x, ppl_const_BD_Shape_int64_t_t y)
- int ppl_BD_Shape_int64_t_linear_partition (ppl_const_BD_Shape_int64_t_t x, ppl_const_BD_Shape_int64_t_t y, ppl_BD_Shape_int64_t_t *p_inters, ppl_Pointset_Powerset_NNC_Polyhedron_t *p_rest)
- int ppl_BD_Shape_int64_t_wrap_assign (ppl_BD_Shape_int64_t_t ph, ppl_dimension_type ds[ ], size_t n, enum ppl_enum_Bounded_Integer_Type_Width w, enum ppl_enum_Bounded_Integer_Type_Representation r, enum ppl_enum_Bounded_Integer_Type_Overflow o, const ppl_const_Constraint_System_t *pcs, unsigned complexity_threshold, int wrap_individually)
- int ppl_new_BD_Shape_int64_t_recycle_Constraint_System (ppl_BD_Shape_int64_t_t *pph, ppl_Constraint_System_t cs)

- int ppl_new_BD_Shape_int64_t_recycle_Congruence_System (ppl_BD_Shape_int64_t_t *pph, ppl_Congruence_System_t cs)
- int ppl_new_BD_Shape_int64_t_recycle_Generator_System (ppl_BD_Shape_int64_t_t *pph, ppl_Generator_System_t cs)
- int ppl_assign_BD_Shape_int64_t_from_BD_Shape_int64_t (ppl_BD_Shape_int64_t_t dst, ppl_const_BD_Shape_int64_t_t src)
- int ppl_BD_Shape_int64_t_add_recycled_constraints (ppl_BD_Shape_int64_t_t ph, ppl_Constraint_System_t cs)
- int ppl_BD_Shape_int64_t_add_recycled_congruences (ppl_BD_Shape_int64_t_t ph, ppl_Congruence_System_t cs)
- int ppl_termination_test_MS_BD_Shape_int64_t (ppl_const_BD_Shape_int64_t_t pset)
- int ppl_termination_test_PR_BD_Shape_int64_t (ppl_const_BD_Shape_int64_t_t pset)
- int ppl_one_affine_ranking_function_MS_BD_Shape_int64_t (ppl_const_BD_Shape_int64_t_t pset, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_BD_Shape_int64_t (ppl_const_BD_Shape_int64_t_t pset, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_BD_Shape_int64_t (ppl_const_BD_Shape_int64_t_t pset, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_BD_Shape_int64_t (ppl_const_BD_Shape_int64_t_t pset, ppl_Polyhedron_t ph)
- int ppl_termination_test_MS_BD_Shape_int64_t_2 (ppl_const_BD_Shape_int64_t_t pset_before, ppl_const_BD_Shape_int64_t_t pset_after)
- int ppl_termination_test_PR_BD_Shape_int64_t_2 (ppl_const_BD_Shape_int64_t_t pset_before, ppl_const_BD_Shape_int64_t_t pset_after)
- int ppl_one_affine_ranking_function_MS_BD_Shape_int64_t_2 (ppl_const_BD_Shape_int64_t_t pset_before, ppl_const_BD_Shape_int64_t_t pset_after, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_BD_Shape_int64_t_2 (ppl_const_BD_Shape_int64_t_t pset_before, ppl_const_BD_Shape_int64_t_t pset_after, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_BD_Shape_int64_t_2 (ppl_const_BD_Shape_int64_t_t pset_before, ppl_const_BD_Shape_int64_t_t pset_after, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_BD_Shape_int64_t_2 (ppl_const_BD_Shape_int64_t_t pset_before, ppl_const_BD_Shape_int64_t_t pset_after, ppl_Polyhedron_t ph)
- int ppl_io_print_BD_Shape_int64_t (ppl_const_BD_Shape_int64_t_t x)
- int ppl_io_fprint_BD_Shape_int64_t (FILE *stream, ppl_const_BD_Shape_int64_t_t x)
- int ppl_io_asprint_BD_Shape_int64_t (char **strp, ppl_const_BD_Shape_int64_t_t x)
- int ppl_BD_Shape_int64_t_ascii_dump (ppl_const_BD_Shape_int64_t_t x, FILE *stream)
- int ppl_BD_Shape_int64_t_ascii_load (ppl_BD_Shape_int64_t_t x, FILE *stream)

7.7.1 Detailed Description

Types and functions for ppl_BD_Shape_int64_t_tag.

7.7.2 Friends And Related Function Documentation

7.7.2.1 int ppl_delete_BD_Shape_int64_t (ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.7.2.2 int ppl_new_BD_Shape_int64_t_from_space_dimension (ppl_BD_Shape_int64_t_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.7.2.3 int ppl_new_BD_Shape_int64_t_from_Int8_Box (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.7.2.4 int ppl_new_BD_Shape_int64_t_from_Int16_Box (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.7.2.5 int ppl_new_BD_Shape_int64_t_from_Int32_Box (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.7.2.6 int ppl_new_BD_Shape_int64_t_from_Int64_Box (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.7.2.7 int ppl_new_BD_Shape_int64_t_from_Uint8_Box (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.7.2.8 int ppl_new_BD_Shape_int64_t_from_Uint16_Box (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.7.2.9 int ppl_new_BD_Shape_int64_t_from_Uint32_Box (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.7.2.10 int ppl_new_BD_Shape_int64_t_from_Uint64_Box (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.7.2.11 int ppl_new_BD_Shape_int64_t_from_Z_Box (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.7.2.12 int ppl_new_BD_Shape_int64_t_from_Rational_Box (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.7.2.13 int ppl_new_BD_Shape_int64_t_from_BD_Shape_int8_t (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.7.2.14 int ppl_new_BD_Shape_int64_t_from_BD_Shape_int16_t (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.7.2.15 int ppl_new_BD_Shape_int64_t_from_BD_Shape_int32_t (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.7.2.16 int ppl_new_BD_Shape_int64_t_from_BD_Shape_int64_t (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.7.2.17 int ppl_new_BD_Shape_int64_t_from_BD_Shape_mpz_class (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.7.2.18 int ppl_new_BD_Shape_int64_t_from_BD_Shape_mpq_class (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.7.2.19 int ppl_new_BD_Shape_int64_t_from_Octagonal_Shape_int8_t (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.7.2.20 int ppl_new_BD_Shape_int64_t_from_Octagonal_Shape_int16_t (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.7.2.21 int ppl_new_BD_Shape_int64_t_from_Octagonal_Shape_int32_t (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.7.2.22 int ppl_new_BD_Shape_int64_t_from_Octagonal_Shape_int64_t (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.7.2.23 int ppl_new_BD_Shape_int64_t_from_Octagonal_Shape_mpz_class (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.7.2.24 int ppl_new_BD_Shape_int64_t_from_Octagonal_Shape_mpq_class (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.7.2.25 int ppl_new_BD_Shape_int64_t_from_C_Polyhedron (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.7.2.26 int ppl_new_BD_Shape_int64_t_from_NNC_Polyhedron (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.7.2.27 int ppl_new_BD_Shape_int64_t_from_Grid (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.7.2.28 int ppl_new_BD_Shape_int64_t_from_Float_Box (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.7.2.29 int ppl_new_BD_Shape_int64_t_from_BD_Shape_float (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.7.2.30 int ppl_new_BD_Shape_int64_t_from_Octagonal_Shape_float (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.7.2.31 int ppl_new_BD_Shape_int64_t_from_Double_Box (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.7.2.32 int ppl_new_BD_Shape_int64_t_from_BD_Shape_double (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.7.2.33 int ppl_new_BD_Shape_int64_t_from_Octagonal_Shape_double (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.7.2.34 int ppl_new_BD_Shape_int64_t_from_Long_Double_Box (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.7.2.35 int ppl_new_BD_Shape_int64_t_from_BD_Shape_long_double (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.7.2.36 int ppl_new_BD_Shape_int64_t_from_Octagonal_Shape_long_double (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.7.2.37 int ppl_new_BD_Shape_int64_t_from_Int8_Box_with_complexity (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.7.2.38 int ppl_new_BD_Shape_int64_t_from_Int16_Box_with_complexity (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.7.2.39 int ppl_new_BD_Shape_int64_t_from_Int32_Box_with_complexity (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.7.2.40 int ppl_new_BD_Shape_int64_t_from_Int64_Box_with_complexity (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.7.2.41 int ppl_new_BD_Shape_int64_t_from_Uint8_Box_with_complexity (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.7.2.42 int ppl_new_BD_Shape_int64_t_from_Uint16_Box_with_complexity (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.7.2.43 int ppl_new_BD_Shape_int64_t_from_Uint32_Box_with_complexity (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.7.2.44 int ppl_new_BD_Shape_int64_t_from_Uint64_Box_with_complexity (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.7.2.45 int ppl_new_BD_Shape_int64_t_from_Z_Box_with_complexity (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.7.2.46 int ppl_new_BD_Shape_int64_t_from_Rational_Box_with_complexity (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.7.2.47 int ppl_new_BD_Shape_int64_t_from_BD_Shape_int8_t_with_complexity (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.7.2.48 int ppl_new_BD_Shape_int64_t_from_BD_Shape_int16_t_with_complexity (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.7.2.49 int ppl_new_BD_Shape_int64_t_from_BD_Shape_int32_t_with_complexity (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.7.2.50 int ppl_new_BD_Shape_int64_t_from_BD_Shape_int64_t_with_complexity (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.7.2.51 int ppl_new_BD_Shape_int64_t_from_BD_Shape_mpz_class_with_complexity (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.7.2.52 int ppl_new_BD_Shape_int64_t_from_BD_Shape_mpq_class_with_complexity (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.7.2.53 int ppl_new_BD_Shape_int64_t_from_Octagonal_Shape_int8_t_with_complexity (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.7.2.54 int ppl_new_BD_Shape_int64_t_from_Octagonal_Shape_int16_t_with_complexity (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.7.2.55 int ppl_new_BD_Shape_int64_t_from_Octagonal_Shape_int32_t_with_complexity (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.7.2.56 int ppl_new_BD_Shape_int64_t_from_Octagonal_Shape_int64_t_with_complexity (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.7.2.57 int ppl_new_BD_Shape_int64_t_from_Octagonal_Shape_mpz_class_with_complexity (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.7.2.58 int ppl_new_BD_Shape_int64_t_from_Octagonal_Shape_mpq_class_with_complexity (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.7.2.59 int ppl_new_BD_Shape_int64_t_from_C_Polyhedron_with_complexity (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.7.2.60 int ppl_new_BD_Shape_int64_t_from_NNC_Polyhedron_with_complexity (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.7.2.61 int ppl_new_BD_Shape_int64_t_from_Grid_with_complexity (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.7.2.62 int ppl_new_BD_Shape_int64_t_from_Float_Box_with_complexity (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.7.2.63 int ppl_new_BD_Shape_int64_t_from_BD_Shape_float_with_complexity (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.7.2.64 int ppl_new_BD_Shape_int64_t_from_Octagonal_Shape_float_with_complexity (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.7.2.65 int ppl_new_BD_Shape_int64_t_from_Double_Box_with_complexity (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.7.2.66 int ppl_new_BD_Shape_int64_t_from_BD_Shape_double_with_complexity (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.7.2.67 int ppl_new_BD_Shape_int64_t_from_Octagonal_Shape_double_with_complexity (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.7.2.68 int ppl_new_BD_Shape_int64_t_from_Long_Double_Box_with_complexity (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.7.2.69 int ppl_new_BD_Shape_int64_t_from_BD_Shape_long_double_with_complexity (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.7.2.70 int ppl_new_BD_Shape_int64_t_from_Octagonal_Shape_long_double_with_complexity (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.7.2.71 int ppl_new_BD_Shape_int64_t_from_Constraint_System (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.7.2.72 int ppl_new_BD_Shape_int64_t_from_Congruence_System (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.7.2.73 int ppl_new_BD_Shape_int64_t_from_Generator_System (ppl_BD_Shape_int64_t_t * *pph*, ppl_const_Generator_System_t *cs*) [related]

7.7.2.74 int ppl_BD_Shape_int64_t_space_dimension (ppl_const_BD_Shape_int64_t_t *ph*, ppl_dimension_type * *m*) [related]

7.7.2.75 int ppl_BD_Shape_int64_t_affine_dimension (ppl_const_BD_Shape_int64_t_t *ph*, ppl_dimension_type * *m*) [related]

7.7.2.76 int ppl_BD_Shape_int64_t_relation_with_Constraint (ppl_const_BD_Shape_int64_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.7.2.77 int ppl_BD_Shape_int64_t_relation_with_Generator (ppl_const_BD_Shape_int64_t_t *ph*, ppl_const_Generator_t *c*) [related]

7.7.2.78 int ppl_BD_Shape_int64_t_relation_with_Congruence (ppl_const_BD_Shape_int64_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.7.2.79 int ppl_BD_Shape_int64_t_get_constraints (ppl_const_BD_Shape_int64_t_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.7.2.80 int ppl_BD_Shape_int64_t_get_congruences (ppl_const_BD_Shape_int64_t_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.7.2.81 int ppl_BD_Shape_int64_t_get_minimized_constraints (ppl_const_BD_Shape_int64_t_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.7.2.82 int ppl_BD_Shape_int64_t_get_minimized_congruences (ppl_const_BD_Shape_int64_t_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.7.2.83 int ppl_BD_Shape_int64_t_is_empty (ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.7.2.84 int ppl_BD_Shape_int64_t_is_universe (ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.7.2.85 int ppl_BD_Shape_int64_t_is_bounded (ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.7.2.86 int ppl_BD_Shape_int64_t_contains_integer_point (ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.7.2.87 int ppl_BD_Shape_int64_t_is_topologically_closed (ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.7.2.88 int ppl_BD_Shape_int64_t_is_discrete (ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.7.2.89 int ppl_BD_Shape_int64_t_topological_closure_assign (ppl_BD_Shape_int64_t_t *ph*) [related]

7.7.2.90 int ppl_BD_Shape_int64_t_bounds_from_above (ppl_const_BD_Shape_int64_t_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.7.2.91 int ppl_BD_Shape_int64_t_bounds_from_below (ppl_const_BD_Shape_int64_t_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.7.2.92 int ppl_BD_Shape_int64_t_maximize (ppl_const_BD_Shape_int64_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.7.2.93 int ppl_BD_Shape_int64_t_minimize (ppl_const_BD_Shape_int64_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.7.2.94 int ppl_BD_Shape_int64_t_maximize_with_point (ppl_const_BD_Shape_int64_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.7.2.95 int ppl_BD_Shape_int64_t_minimize_with_point (ppl_const_BD_Shape_int64_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.7.2.96 int ppl_BD_Shape_int64_t_frequency (ppl_const_BD_Shape_int64_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_fn*, ppl_Coefficient_t *ext_fd*, ppl_Coefficient_t *ext_vn*, ppl_Coefficient_t *ext_vd*) [related]

7.7.2.97 int ppl_BD_Shape_int64_t_contains_BD_Shape_int64_t (ppl_const_BD_Shape_int64_t_t *x*, ppl_const_BD_Shape_int64_t_t *y*) [related]

7.7.2.98 int ppl_BD_Shape_int64_t_strictly_contains_BD_Shape_int64_t (ppl_const_BD_Shape_int64_t_t *x*, ppl_const_BD_Shape_int64_t_t *y*) [related]

7.7.2.99 int ppl_BD_Shape_int64_t_is_disjoint_from_BD_Shape_int64_t (ppl_const_BD_Shape_int64_t_t *x*, ppl_const_BD_Shape_int64_t_t *y*) [related]

7.7.2.100 int ppl_BD_Shape_int64_t_equals_BD_Shape_int64_t (ppl_const_BD_Shape_int64_t_t *x*, ppl_const_BD_Shape_int64_t_t *y*) [related]

7.7.2.101 int ppl_BD_Shape_int64_t_OK (ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.7.2.102 int ppl_BD_Shape_int64_t_add_constraint (ppl_BD_Shape_int64_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.7.2.103 int ppl_BD_Shape_int64_t_add_congruence (ppl_BD_Shape_int64_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.7.2.104 int ppl_BD_Shape_int64_t_add_constraints (ppl_BD_Shape_int64_t_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.7.2.105 int ppl_BD_Shape_int64_t_add_congruences (ppl_BD_Shape_int64_t_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.7.2.106 int ppl_BD_Shape_int64_t_refine_with_constraint (ppl_BD_Shape_int64_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.7.2.107 int ppl_BD_Shape_int64_t_refine_with_congruence (ppl_BD_Shape_int64_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.7.2.108 int ppl_BD_Shape_int64_t_refine_with_constraints (ppl_BD_Shape_int64_t_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.7.2.109 int ppl_BD_Shape_int64_t_refine_with_congruences (ppl_BD_Shape_int64_t_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.7.2.110 int ppl_BD_Shape_int64_t_intersection_assign (ppl_BD_Shape_int64_t_t *x*, ppl_const_BD_Shape_int64_t_t *y*) [related]

7.7.2.111 int ppl_BD_Shape_int64_t_upper_bound_assign (ppl_BD_Shape_int64_t_t *x*, ppl_const_BD_Shape_int64_t_t *y*) [related]

7.7.2.112 int ppl_BD_Shape_int64_t_difference_assign (ppl_BD_Shape_int64_t_t *x*, ppl_const_BD_Shape_int64_t_t *y*) [related]

7.7.2.113 int ppl_BD_Shape_int64_t_concatenate_assign (ppl_BD_Shape_int64_t_t *x*, ppl_const_BD_Shape_int64_t_t *y*) [related]

7.7.2.114 int ppl_BD_Shape_int64_t_time_elapse_assign (ppl_BD_Shape_int64_t_t *x*, ppl_const_BD_Shape_int64_t_t *y*) [related]

7.7.2.115 int ppl_BD_Shape_int64_t_upper_bound_assign_if_exact (ppl_BD_Shape_int64_t_t *x*, ppl_const_BD_Shape_int64_t_t *y*) [related]

7.7.2.116 int ppl_BD_Shape_int64_t_simplify_using_context_assign (ppl_BD_Shape_int64_t_t *x*, ppl_const_BD_Shape_int64_t_t *y*) [related]

7.7.2.117 int ppl_BD_Shape_int64_t_constrains (ppl_BD_Shape_int64_t_t *ph*, ppl_dimension_type *var*) [related]

7.7.2.118 int ppl_BD_Shape_int64_t_unconstrain_space_dimension (ppl_BD_Shape_int64_t_t *ph*, ppl_dimension_type *var*) [related]

7.7.2.119 int ppl_BD_Shape_int64_t_unconstrain_space_dimensions (ppl_BD_Shape_int64_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.7.2.120 int ppl_BD_Shape_int64_t_affine_image (ppl_BD_Shape_int64_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.7.2.121 int ppl_BD_Shape_int64_t_affine_preimage (ppl_BD_Shape_int64_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.7.2.122 int ppl_BD_Shape_int64_t_bounded_affine_image (ppl_BD_Shape_int64_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.7.2.123 int ppl_BD_Shape_int64_t_bounded_affine_preimage (ppl_BD_Shape_int64_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.7.2.124 int ppl_BD_Shape_int64_t_generalized_affine_image (ppl_BD_Shape_int64_t_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.7.2.125 int ppl_BD_Shape_int64_t_generalized_affine_preimage (ppl_BD_Shape_int64_t_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.7.2.126 int ppl_BD_Shape_int64_t_generalized_affine_image_lhs_rhs (ppl_BD_Shape_int64_t_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.7.2.127 int ppl_BD_Shape_int64_t_generalized_affine_preimage_lhs_rhs (ppl_BD_Shape_int64_t_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.7.2.128 int ppl_BD_Shape_int64_t_add_space_dimensions_and_embed (ppl_BD_Shape_int64_t_t *ph*, ppl_dimension_type *d*) [related]

7.7.2.129 int ppl_BD_Shape_int64_t_add_space_dimensions_and_project (ppl_BD_Shape_int64_t_t *ph*, ppl_dimension_type *d*) [related]

7.7.2.130 int ppl_BD_Shape_int64_t_remove_space_dimensions (ppl_BD_Shape_int64_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.7.2.131 int ppl_BD_Shape_int64_t_remove_higher_space_dimensions (ppl_BD_Shape_int64_t_t *ph*, ppl_dimension_type *d*) [related]

7.7.2.132 int ppl_BD_Shape_int64_t_expand_space_dimension (ppl_BD_Shape_int64_t_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.7.2.133 int ppl_BD_Shape_int64_t_fold_space_dimensions (ppl_BD_Shape_int64_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.7.2.134 int ppl_BD_Shape_int64_t_map_space_dimensions (ppl_BD_Shape_int64_t_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.7.2.135 int ppl_BD_Shape_int64_t_drop_some_non_integer_points (ppl_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.7.2.136 int ppl_BD_Shape_int64_t_drop_some_non_integer_points_2 (ppl_BD_Shape_int64_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.7.2.137 int ppl_BD_Shape_int64_t_external_memory_in_bytes (ppl_const_BD_Shape_int64_t_t *ps*, size_t * *sz*) [related]

7.7.2.138 int ppl_BD_Shape_int64_t_total_memory_in_bytes (ppl_const_BD_Shape_int64_t_t *ps*, size_t * *sz*) [related]

7.7.2.139 int ppl_BD_Shape_int64_t_BHMZ05_widening_assign_with_tokens (ppl_BD_Shape_int64_t_t *x*, ppl_const_BD_Shape_int64_t_t *y*, unsigned * *tp*) [related]

7.7.2.140 int ppl_BD_Shape_int64_t_H79_widening_assign_with_tokens (ppl_BD_Shape_int64_t_t *x*, ppl_const_BD_Shape_int64_t_t *y*, unsigned * *tp*) [related]

7.7.2.141 int ppl_BD_Shape_int64_t_BHMZ05_widening_assign (ppl_BD_Shape_int64_t_t *x*, ppl_const_BD_Shape_int64_t_t *y*) [related]

7.7.2.142 int ppl_BD_Shape_int64_t_H79_widening_assign (ppl_BD_Shape_int64_t_t *x*, ppl_const_BD_Shape_int64_t_t *y*) [related]

7.7.2.143 int ppl_BD_Shape_int64_t_widening_assign_with_tokens (ppl_BD_Shape_int64_t_t *x*, ppl_const_BD_Shape_int64_t_t *y*, unsigned * *tp*) [related]

7.7.2.144 int ppl_BD_Shape_int64_t_widening_assign (ppl_BD_Shape_int64_t_t *x*, ppl_const_BD_Shape_int64_t_t *y*) [related]

7.7.2.145 int ppl_BD_Shape_int64_t_limited_BHMZ05_extrapolation_assign_with_tokens (ppl_BD_Shape_int64_t_t *x*, ppl_const_BD_Shape_int64_t_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.7.2.146 int ppl_BD_Shape_int64_t_limited_H79_extrapolation_assign_with_tokens (ppl_BD_Shape_int64_t_t *x*, ppl_const_BD_Shape_int64_t_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.7.2.147 int ppl_BD_Shape_int64_t_limited_CC76_extrapolation_assign_with_tokens (ppl_BD_Shape_int64_t_t *x*, ppl_const_BD_Shape_int64_t_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.7.2.148 int ppl_BD_Shape_int64_t_limited_BHMZ05_extrapolation_assign (ppl_BD_Shape_int64_t_t *x*, ppl_const_BD_Shape_int64_t_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.7.2.149 int ppl_BD_Shape_int64_t_limited_H79_extrapolation_assign (ppl_BD_Shape_int64_t_t *x*, ppl_const_BD_Shape_int64_t_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.7.2.150 int ppl_BD_Shape_int64_t_limited_CC76_extrapolation_assign (ppl_BD_Shape_-int64_t_t *x*, ppl_const_BD_Shape_int64_t_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.7.2.151 int ppl_BD_Shape_int64_t_CC76_extrapolation_assign_with_tokens (ppl_BD_Shape_int64_t_t *x*, ppl_const_BD_Shape_int64_t_t *y*, unsigned * *tp*) [related]

7.7.2.152 int ppl_BD_Shape_int64_t_CC76_extrapolation_assign (ppl_BD_Shape_int64_t_t *x*, ppl_const_BD_Shape_int64_t_t *y*) [related]

7.7.2.153 int ppl_BD_Shape_int64_t_CC76_narrowing_assign (ppl_BD_Shape_int64_t_t *x*, ppl_const_BD_Shape_int64_t_t *y*) [related]

7.7.2.154 int ppl_BD_Shape_int64_t_linear_partition (ppl_const_BD_Shape_int64_t_t *x*, ppl_const_BD_Shape_int64_t_t *y*, ppl_BD_Shape_int64_t_t * *p_inters*, ppl_Pointset_Powerset_NNC_Polyhedron_t * *p_rest*) [related]

7.7.2.155 int ppl_BD_Shape_int64_t_wrap_assign (ppl_BD_Shape_int64_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, enum ppl_enum_Bounded_Integer_Type_Width *w*, enum ppl_enum_Bounded_Integer_Type_Representation *r*, enum ppl_enum_Bounded_Integer_Type_Overflow *o*, const ppl_const_Constraint_System_t * *pcs*, unsigned *complexity_threshold*, int *wrap_individually*) [related]

7.7.2.156 int ppl_new_BD_Shape_int64_t_recycle_Constraint_System (ppl_BD_Shape_int64_t_t * *pph*, ppl_Constraint_System_t *cs*) [related]

7.7.2.157 int ppl_new_BD_Shape_int64_t_recycle_Congruence_System (ppl_BD_Shape_int64_t_t * *pph*, ppl_Congruence_System_t *cs*) [related]

7.7.2.158 int ppl_new_BD_Shape_int64_t_recycle_Generator_System (ppl_BD_Shape_int64_t_t * *pph*, ppl_Generator_System_t *cs*) [related]

7.7.2.159 int ppl_assign_BD_Shape_int64_t_from_BD_Shape_int64_t (ppl_BD_Shape_int64_t_t *dst*, ppl_const_BD_Shape_int64_t_t *src*) [related]

7.7.2.160 int ppl_BD_Shape_int64_t_add_recycled_constraints (ppl_BD_Shape_int64_t_t *ph*, ppl_Constraint_System_t *cs*) [related]

7.7.2.161 int ppl_BD_Shape_int64_t_add_recycled_congruences (ppl_BD_Shape_int64_t_t *ph*, ppl_Congruence_System_t *cs*) [related]

7.7.2.162 int ppl_termination_test_MS_BD_Shape_int64_t (ppl_const_BD_Shape_int64_t_t *pset*) [related]

7.7.2.163 int ppl_termination_test_PR_BD_Shape_int64_t (ppl_const_BD_Shape_int64_t_t *pset*) [related]

7.7.2.164 int ppl_one_affine_ranking_function_MS_BD_Shape_int64_t (ppl_const_BD_Shape_int64_t_t *pset*, ppl_Generator_t *point*) [related]

7.7.2.165 int ppl_one_affine_ranking_function_PR_BD_Shape_int64_t (ppl_const_BD_Shape_int64_t_t *pset*, ppl_Generator_t *point*) [related]

7.7.2.166 int ppl_all_affine_ranking_functions_MS_BD_Shape_int64_t (ppl_const_BD_Shape_int64_t_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.7.2.167 int ppl_all_affine_ranking_functions_PR_BD_Shape_int64_t (ppl_const_BD_Shape_int64_t_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.7.2.168 int ppl_termination_test_MS_BD_Shape_int64_t_2 (ppl_const_BD_Shape_int64_t_t *pset_before*, ppl_const_BD_Shape_int64_t_t *pset_after*) [related]

7.7.2.169 int ppl_termination_test_PR_BD_Shape_int64_t_2 (ppl_const_BD_Shape_int64_t_t *pset_before*, ppl_const_BD_Shape_int64_t_t *pset_after*) [related]

7.7.2.170 int ppl_one_affine_ranking_function_MS_BD_Shape_int64_t_2 (ppl_const_BD_Shape_int64_t_t *pset_before*, ppl_const_BD_Shape_int64_t_t *pset_after*, ppl_Generator_t *point*) [related]

7.7.2.171 int ppl_one_affine_ranking_function_PR_BD_Shape_int64_t_2 (ppl_const_BD_Shape_-int64_t_t *pset_before*, ppl_const_BD_Shape_int64_t_t *pset_after*, ppl_Generator_t *point*) [related]

7.7.2.172 int ppl_all_affine_ranking_functions_MS_BD_Shape_int64_t_2 (ppl_const_BD_Shape_int64_t_t *pset_before*, ppl_const_BD_Shape_int64_t_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.7.2.173 int ppl_all_affine_ranking_functions_PR_BD_Shape_int64_t_2 (ppl_const_BD_Shape_-int64_t_t *pset_before*, ppl_const_BD_Shape_int64_t_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.7.2.174 int ppl_io_print_BD_Shape_int64_t (ppl_const_BD_Shape_int64_t_t *x*) [related]

7.7.2.175 int ppl_io_fprint_BD_Shape_int64_t (FILE * *stream*, ppl_const_BD_Shape_int64_t_t *x*) [related]

7.7.2.176 int ppl_io_asprint_BD_Shape_int64_t (char ** *strp*, ppl_const_BD_Shape_int64_t_t *x*) [related]

7.7.2.177 int ppl_BD_Shape_int64_t_ascii_dump (ppl_const_BD_Shape_int64_t_t *x*, FILE * *stream*) [related]

7.7.2.178 int ppl_BD_Shape_int64_t_ascii_load (ppl_BD_Shape_int64_t_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.8 ppl_BD_Shape_int8_t_tag Interface Reference

Types and functions for ppl_BD_Shape_int8_t_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_BD_Shape_int8_t (ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_BD_Shape_int8_t_from_space_dimension (ppl_BD_Shape_int8_t_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_BD_Shape_int8_t_from_Int8_Box (ppl_BD_Shape_int8_t_t *pph, ppl_const_Int8_Box_t ph)
- int ppl_new_BD_Shape_int8_t_from_Int16_Box (ppl_BD_Shape_int8_t_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_BD_Shape_int8_t_from_Int32_Box (ppl_BD_Shape_int8_t_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_BD_Shape_int8_t_from_Int64_Box (ppl_BD_Shape_int8_t_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_BD_Shape_int8_t_from_Uint8_Box (ppl_BD_Shape_int8_t_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_BD_Shape_int8_t_from_Uint16_Box (ppl_BD_Shape_int8_t_t *pph, ppl_const_Uint16_Box_t ph)
- int ppl_new_BD_Shape_int8_t_from_Uint32_Box (ppl_BD_Shape_int8_t_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_BD_Shape_int8_t_from_Uint64_Box (ppl_BD_Shape_int8_t_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_BD_Shape_int8_t_from_Z_Box (ppl_BD_Shape_int8_t_t *pph, ppl_const_Z_Box_t ph)

- int ppl_new_BD_Shape_int8_t_from_Rational_Box (ppl_BD_Shape_int8_t_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_BD_Shape_int8_t_from_BD_Shape_int8_t (ppl_BD_Shape_int8_t_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_BD_Shape_int8_t_from_BD_Shape_int16_t (ppl_BD_Shape_int8_t_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_BD_Shape_int8_t_from_BD_Shape_int32_t (ppl_BD_Shape_int8_t_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_BD_Shape_int8_t_from_BD_Shape_int64_t (ppl_BD_Shape_int8_t_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_BD_Shape_int8_t_from_BD_Shape_mpz_class (ppl_BD_Shape_int8_t_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_BD_Shape_int8_t_from_BD_Shape_mpq_class (ppl_BD_Shape_int8_t_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_BD_Shape_int8_t_from_Octagonal_Shape_int8_t (ppl_BD_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_BD_Shape_int8_t_from_Octagonal_Shape_int16_t (ppl_BD_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_BD_Shape_int8_t_from_Octagonal_Shape_int32_t (ppl_BD_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_BD_Shape_int8_t_from_Octagonal_Shape_int64_t (ppl_BD_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_BD_Shape_int8_t_from_Octagonal_Shape_mpz_class (ppl_BD_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_BD_Shape_int8_t_from_Octagonal_Shape_mpq_class (ppl_BD_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_BD_Shape_int8_t_from_C_Polyhedron (ppl_BD_Shape_int8_t_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_BD_Shape_int8_t_from_NNC_Polyhedron (ppl_BD_Shape_int8_t_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_BD_Shape_int8_t_from_Grid (ppl_BD_Shape_int8_t_t *pph, ppl_const_Grid_t ph)
- int ppl_new_BD_Shape_int8_t_from_Float_Box (ppl_BD_Shape_int8_t_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_BD_Shape_int8_t_from_BD_Shape_float (ppl_BD_Shape_int8_t_t *pph, ppl_const_BD_Shape_float_t ph)
- int ppl_new_BD_Shape_int8_t_from_Octagonal_Shape_float (ppl_BD_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_BD_Shape_int8_t_from_Double_Box (ppl_BD_Shape_int8_t_t *pph, ppl_const_Double_Box_t ph)
- int ppl_new_BD_Shape_int8_t_from_BD_Shape_double (ppl_BD_Shape_int8_t_t *pph, ppl_const_BD_Shape_double_t ph)
- int ppl_new_BD_Shape_int8_t_from_Octagonal_Shape_double (ppl_BD_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_BD_Shape_int8_t_from_Long_Double_Box (ppl_BD_Shape_int8_t_t *pph, ppl_const_Long_Double_Box_t ph)
- int ppl_new_BD_Shape_int8_t_from_BD_Shape_long_double (ppl_BD_Shape_int8_t_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_BD_Shape_int8_t_from_Octagonal_Shape_long_double (ppl_BD_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_BD_Shape_int8_t_from_Int8_Box_with_complexity (ppl_BD_Shape_int8_t_t *pph, ppl_const_Int8_Box_t ph, int complexity)

- int ppl_new_BD_Shape_int8_t_from_Int16_Box_with_complexity (ppl_BD_Shape_int8_t_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int8_t_from_Int32_Box_with_complexity (ppl_BD_Shape_int8_t_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int8_t_from_Int64_Box_with_complexity (ppl_BD_Shape_int8_t_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int8_t_from_Uint8_Box_with_complexity (ppl_BD_Shape_int8_t_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int8_t_from_Uint16_Box_with_complexity (ppl_BD_Shape_int8_t_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int8_t_from_Uint32_Box_with_complexity (ppl_BD_Shape_int8_t_t *pph, ppl_const_Uint32_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int8_t_from_Uint64_Box_with_complexity (ppl_BD_Shape_int8_t_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int8_t_from_Z_Box_with_complexity (ppl_BD_Shape_int8_t_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int8_t_from_Rational_Box_with_complexity (ppl_BD_Shape_int8_t_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int8_t_from_BD_Shape_int8_t_with_complexity (ppl_BD_Shape_int8_t_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)
- int ppl_new_BD_Shape_int8_t_from_BD_Shape_int16_t_with_complexity (ppl_BD_Shape_int8_t_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_BD_Shape_int8_t_from_BD_Shape_int32_t_with_complexity (ppl_BD_Shape_int8_t_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_BD_Shape_int8_t_from_BD_Shape_int64_t_with_complexity (ppl_BD_Shape_int8_t_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_BD_Shape_int8_t_from_BD_Shape_mpz_class_with_complexity (ppl_BD_Shape_int8_t_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_BD_Shape_int8_t_from_BD_Shape_mpq_class_with_complexity (ppl_BD_Shape_int8_t_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_BD_Shape_int8_t_from_Octagonal_Shape_int8_t_with_complexity (ppl_BD_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_BD_Shape_int8_t_from_Octagonal_Shape_int16_t_with_complexity (ppl_BD_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_BD_Shape_int8_t_from_Octagonal_Shape_int32_t_with_complexity (ppl_BD_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_BD_Shape_int8_t_from_Octagonal_Shape_int64_t_with_complexity (ppl_BD_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_new_BD_Shape_int8_t_from_Octagonal_Shape_mpz_class_with_complexity (ppl_BD_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_BD_Shape_int8_t_from_Octagonal_Shape_mpq_class_with_complexity (ppl_BD_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_BD_Shape_int8_t_from_C_Polyhedron_with_complexity (ppl_BD_Shape_int8_t_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_BD_Shape_int8_t_from_NNC_Polyhedron_with_complexity (ppl_BD_Shape_int8_t_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_BD_Shape_int8_t_from_Grid_with_complexity (ppl_BD_Shape_int8_t_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_BD_Shape_int8_t_from_Float_Box_with_complexity (ppl_BD_Shape_int8_t_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int8_t_from_BD_Shape_float_with_complexity (ppl_BD_Shape_int8_t_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)

- int ppl_new_BD_Shape_int8_t_from_Octagonal_Shape_float_with_complexity (ppl_BD_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_BD_Shape_int8_t_from_Double_Box_with_complexity (ppl_BD_Shape_int8_t_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int8_t_from_BD_Shape_double_with_complexity (ppl_BD_Shape_int8_t_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_BD_Shape_int8_t_from_Octagonal_Shape_double_with_complexity (ppl_BD_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_BD_Shape_int8_t_from_Long_Double_Box_with_complexity (ppl_BD_Shape_int8_t_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_BD_Shape_int8_t_from_BD_Shape_long_double_with_complexity (ppl_BD_Shape_int8_t_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_BD_Shape_int8_t_from_Octagonal_Shape_long_double_with_complexity (ppl_BD_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_BD_Shape_int8_t_from_Constraint_System (ppl_BD_Shape_int8_t_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_BD_Shape_int8_t_from_Congruence_System (ppl_BD_Shape_int8_t_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_new_BD_Shape_int8_t_from_Generator_System (ppl_BD_Shape_int8_t_t *pph, ppl_const_Generator_System_t cs)
- int ppl_BD_Shape_int8_t_space_dimension (ppl_const_BD_Shape_int8_t_t ph, ppl_dimension_type *m)
- int ppl_BD_Shape_int8_t_affine_dimension (ppl_const_BD_Shape_int8_t_t ph, ppl_dimension_type *m)
- int ppl_BD_Shape_int8_t_relation_with_Constraint (ppl_const_BD_Shape_int8_t_t ph, ppl_const_Constraint_t c)
- int ppl_BD_Shape_int8_t_relation_with_Generator (ppl_const_BD_Shape_int8_t_t ph, ppl_const_Generator_t c)
- int ppl_BD_Shape_int8_t_relation_with_Congruence (ppl_const_BD_Shape_int8_t_t ph, ppl_const_Congruence_t c)
- int ppl_BD_Shape_int8_t_get_constraints (ppl_const_BD_Shape_int8_t_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_BD_Shape_int8_t_get_congruences (ppl_const_BD_Shape_int8_t_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_BD_Shape_int8_t_get_minimized_constraints (ppl_const_BD_Shape_int8_t_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_BD_Shape_int8_t_get_minimized_congruences (ppl_const_BD_Shape_int8_t_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_BD_Shape_int8_t_is_empty (ppl_const_BD_Shape_int8_t_t ph)
- int ppl_BD_Shape_int8_t_is_universe (ppl_const_BD_Shape_int8_t_t ph)
- int ppl_BD_Shape_int8_t_is_bounded (ppl_const_BD_Shape_int8_t_t ph)
- int ppl_BD_Shape_int8_t_contains_integer_point (ppl_const_BD_Shape_int8_t_t ph)
- int ppl_BD_Shape_int8_t_is_topologically_closed (ppl_const_BD_Shape_int8_t_t ph)
- int ppl_BD_Shape_int8_t_is_discrete (ppl_const_BD_Shape_int8_t_t ph)
- int ppl_BD_Shape_int8_t_topological_closure_assign (ppl_BD_Shape_int8_t_t ph)
- int ppl_BD_Shape_int8_t_bounds_from_above (ppl_const_BD_Shape_int8_t_t ph, ppl_const_Linear_Expression_t le)
- int ppl_BD_Shape_int8_t_bounds_from_below (ppl_const_BD_Shape_int8_t_t ph, ppl_const_Linear_Expression_t le)
- int ppl_BD_Shape_int8_t_maximize (ppl_const_BD_Shape_int8_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)

- int ppl_BD_Shape_int8_t_minimize (ppl_const_BD_Shape_int8_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_BD_Shape_int8_t_maximize_with_point (ppl_const_BD_Shape_int8_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_BD_Shape_int8_t_minimize_with_point (ppl_const_BD_Shape_int8_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_BD_Shape_int8_t_frequency (ppl_const_BD_Shape_int8_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_fn, ppl_Coefficient_t ext_fd, ppl_Coefficient_t ext_vn, ppl_Coefficient_t ext_vd)
- int ppl_BD_Shape_int8_t_contains_BD_Shape_int8_t (ppl_const_BD_Shape_int8_t_t x, ppl_const_BD_Shape_int8_t_t y)
- int ppl_BD_Shape_int8_t_strictly_contains_BD_Shape_int8_t (ppl_const_BD_Shape_int8_t_t x, ppl_const_BD_Shape_int8_t_t y)
- int ppl_BD_Shape_int8_t_is_disjoint_from_BD_Shape_int8_t (ppl_const_BD_Shape_int8_t_t x, ppl_const_BD_Shape_int8_t_t y)
- int ppl_BD_Shape_int8_t_equals_BD_Shape_int8_t (ppl_const_BD_Shape_int8_t_t x, ppl_const_BD_Shape_int8_t_t y)
- int ppl_BD_Shape_int8_t_OK (ppl_const_BD_Shape_int8_t_t ph)
- int ppl_BD_Shape_int8_t_add_constraint (ppl_BD_Shape_int8_t_t ph, ppl_const_Constraint_t c)
- int ppl_BD_Shape_int8_t_add_congruence (ppl_BD_Shape_int8_t_t ph, ppl_const_Congruence_t c)
- int ppl_BD_Shape_int8_t_add_constraints (ppl_BD_Shape_int8_t_t ph, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_int8_t_add_congruences (ppl_BD_Shape_int8_t_t ph, ppl_const_Congruence_System_t cs)
- int ppl_BD_Shape_int8_t_refine_with_constraint (ppl_BD_Shape_int8_t_t ph, ppl_const_Constraint_t c)
- int ppl_BD_Shape_int8_t_refine_with_congruence (ppl_BD_Shape_int8_t_t ph, ppl_const_Congruence_t c)
- int ppl_BD_Shape_int8_t_refine_with_constraints (ppl_BD_Shape_int8_t_t ph, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_int8_t_refine_with_congruences (ppl_BD_Shape_int8_t_t ph, ppl_const_Congruence_System_t cs)
- int ppl_BD_Shape_int8_t_intersection_assign (ppl_BD_Shape_int8_t_t x, ppl_const_BD_Shape_int8_t_t y)
- int ppl_BD_Shape_int8_t_upper_bound_assign (ppl_BD_Shape_int8_t_t x, ppl_const_BD_Shape_int8_t_t y)
- int ppl_BD_Shape_int8_t_difference_assign (ppl_BD_Shape_int8_t_t x, ppl_const_BD_Shape_int8_t_t y)
- int ppl_BD_Shape_int8_t_concatenate_assign (ppl_BD_Shape_int8_t_t x, ppl_const_BD_Shape_int8_t_t y)
- int ppl_BD_Shape_int8_t_time_elapse_assign (ppl_BD_Shape_int8_t_t x, ppl_const_BD_Shape_int8_t_t y)
- int ppl_BD_Shape_int8_t_upper_bound_assign_if_exact (ppl_BD_Shape_int8_t_t x, ppl_const_BD_Shape_int8_t_t y)
- int ppl_BD_Shape_int8_t_simplify_using_context_assign (ppl_BD_Shape_int8_t_t x, ppl_const_BD_Shape_int8_t_t y)
- int ppl_BD_Shape_int8_t_constrains (ppl_BD_Shape_int8_t_t ph, ppl_dimension_type var)
- int ppl_BD_Shape_int8_t_unconstrain_space_dimension (ppl_BD_Shape_int8_t_t ph, ppl_dimension_type var)

- int ppl_BD_Shape_int8_t_unconstrain_space_dimensions (ppl_BD_Shape_int8_t_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_BD_Shape_int8_t_affine_image (ppl_BD_Shape_int8_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_int8_t_affine_preimage (ppl_BD_Shape_int8_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_int8_t_bounded_affine_image (ppl_BD_Shape_int8_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_int8_t_bounded_affine_preimage (ppl_BD_Shape_int8_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_int8_t_generalized_affine_image (ppl_BD_Shape_int8_t_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_int8_t_generalized_affine_preimage (ppl_BD_Shape_int8_t_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_int8_t_generalized_affine_image_lhs_rhs (ppl_BD_Shape_int8_t_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_BD_Shape_int8_t_generalized_affine_preimage_lhs_rhs (ppl_BD_Shape_int8_t_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_BD_Shape_int8_t_add_space_dimensions_and_embed (ppl_BD_Shape_int8_t_t ph, ppl_dimension_type d)
- int ppl_BD_Shape_int8_t_add_space_dimensions_and_project (ppl_BD_Shape_int8_t_t ph, ppl_dimension_type d)
- int ppl_BD_Shape_int8_t_remove_space_dimensions (ppl_BD_Shape_int8_t_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_BD_Shape_int8_t_remove_higher_space_dimensions (ppl_BD_Shape_int8_t_t ph, ppl_dimension_type d)
- int ppl_BD_Shape_int8_t_expand_space_dimension (ppl_BD_Shape_int8_t_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_BD_Shape_int8_t_fold_space_dimensions (ppl_BD_Shape_int8_t_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_BD_Shape_int8_t_map_space_dimensions (ppl_BD_Shape_int8_t_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_BD_Shape_int8_t_drop_some_non_integer_points (ppl_BD_Shape_int8_t_t ph, int complexity)
- int ppl_BD_Shape_int8_t_drop_some_non_integer_points_2 (ppl_BD_Shape_int8_t_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_BD_Shape_int8_t_external_memory_in_bytes (ppl_const_BD_Shape_int8_t_t ps, size_t *sz)
- int ppl_BD_Shape_int8_t_total_memory_in_bytes (ppl_const_BD_Shape_int8_t_t ps, size_t *sz)
- int ppl_BD_Shape_int8_t_BHMZ05_widening_assign_with_tokens (ppl_BD_Shape_int8_t_t x, ppl_const_BD_Shape_int8_t_t y, unsigned *tp)
- int ppl_BD_Shape_int8_t_H79_widening_assign_with_tokens (ppl_BD_Shape_int8_t_t x, ppl_const_BD_Shape_int8_t_t y, unsigned *tp)
- int ppl_BD_Shape_int8_t_BHMZ05_widening_assign (ppl_BD_Shape_int8_t_t x, ppl_const_BD_Shape_int8_t_t y)

- int ppl_BD_Shape_int8_t_H79_widening_assign (ppl_BD_Shape_int8_t_t x, ppl_const_BD_Shape_int8_t_t y)
- int ppl_BD_Shape_int8_t_widening_assign_with_tokens (ppl_BD_Shape_int8_t_t x, ppl_const_BD_Shape_int8_t_t y, unsigned *tp)
- int ppl_BD_Shape_int8_t_widening_assign (ppl_BD_Shape_int8_t_t x, ppl_const_BD_Shape_int8_t_t y)
- int ppl_BD_Shape_int8_t_limited_BHMZ05_extrapolation_assign_with_tokens (ppl_BD_Shape_int8_t_t x, ppl_const_BD_Shape_int8_t_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_BD_Shape_int8_t_limited_H79_extrapolation_assign_with_tokens (ppl_BD_Shape_int8_t_t x, ppl_const_BD_Shape_int8_t_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_BD_Shape_int8_t_limited_CC76_extrapolation_assign_with_tokens (ppl_BD_Shape_int8_t_t x, ppl_const_BD_Shape_int8_t_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_BD_Shape_int8_t_limited_BHMZ05_extrapolation_assign (ppl_BD_Shape_int8_t_t x, ppl_const_BD_Shape_int8_t_t y, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_int8_t_limited_H79_extrapolation_assign (ppl_BD_Shape_int8_t_t x, ppl_const_BD_Shape_int8_t_t y, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_int8_t_limited_CC76_extrapolation_assign (ppl_BD_Shape_int8_t_t x, ppl_const_BD_Shape_int8_t_t y, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_int8_t_CC76_extrapolation_assign_with_tokens (ppl_BD_Shape_int8_t_t x, ppl_const_BD_Shape_int8_t_t y, unsigned *tp)
- int ppl_BD_Shape_int8_t_CC76_extrapolation_assign (ppl_BD_Shape_int8_t_t x, ppl_const_BD_Shape_int8_t_t y)
- int ppl_BD_Shape_int8_t_CC76_narrowing_assign (ppl_BD_Shape_int8_t_t x, ppl_const_BD_Shape_int8_t_t y)
- int ppl_BD_Shape_int8_t_linear_partition (ppl_const_BD_Shape_int8_t_t x, ppl_const_BD_Shape_int8_t_t y, ppl_BD_Shape_int8_t_t *p_inters, ppl_Pointset_Powerset_NNC_Polyhedron_t *p_rest)
- int ppl_BD_Shape_int8_t_wrap_assign (ppl_BD_Shape_int8_t_t ph, ppl_dimension_type ds[ ], size_t n, enum ppl_enum_Bounded_Integer_Type_Width w, enum ppl_enum_Bounded_Integer_Type_Representation r, enum ppl_enum_Bounded_Integer_Type_Overflow o, const ppl_const_Constraint_System_t *pcs, unsigned complexity_threshold, int wrap_individually)
- int ppl_new_BD_Shape_int8_t_recycle_Constraint_System (ppl_BD_Shape_int8_t_t *pph, ppl_Constraint_System_t cs)
- int ppl_new_BD_Shape_int8_t_recycle_Congruence_System (ppl_BD_Shape_int8_t_t *pph, ppl_Congruence_System_t cs)
- int ppl_new_BD_Shape_int8_t_recycle_Generator_System (ppl_BD_Shape_int8_t_t *pph, ppl_Generator_System_t cs)
- int ppl_assign_BD_Shape_int8_t_from_BD_Shape_int8_t (ppl_BD_Shape_int8_t_t dst, ppl_const_BD_Shape_int8_t_t src)
- int ppl_BD_Shape_int8_t_add_recycled_constraints (ppl_BD_Shape_int8_t_t ph, ppl_Constraint_System_t cs)
- int ppl_BD_Shape_int8_t_add_recycled_congruences (ppl_BD_Shape_int8_t_t ph, ppl_Congruence_System_t cs)
- int ppl_termination_test_MS_BD_Shape_int8_t (ppl_const_BD_Shape_int8_t_t pset)
- int ppl_termination_test_PR_BD_Shape_int8_t (ppl_const_BD_Shape_int8_t_t pset)
- int ppl_one_affine_ranking_function_MS_BD_Shape_int8_t (ppl_const_BD_Shape_int8_t_t pset, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_BD_Shape_int8_t (ppl_const_BD_Shape_int8_t_t pset, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_BD_Shape_int8_t (ppl_const_BD_Shape_int8_t_t pset, ppl_Polyhedron_t ph)

- int ppl_all_affine_ranking_functions_PR_BD_Shape_int8_t (ppl_const_BD_Shape_int8_t_t pset, ppl_Polyhedron_t ph)
- int ppl_termination_test_MS_BD_Shape_int8_t_2 (ppl_const_BD_Shape_int8_t_t pset_before, ppl_const_BD_Shape_int8_t_t pset_after)
- int ppl_termination_test_PR_BD_Shape_int8_t_2 (ppl_const_BD_Shape_int8_t_t pset_before, ppl_const_BD_Shape_int8_t_t pset_after)
- int ppl_one_affine_ranking_function_MS_BD_Shape_int8_t_2 (ppl_const_BD_Shape_int8_t_t pset_before, ppl_const_BD_Shape_int8_t_t pset_after, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_BD_Shape_int8_t_2 (ppl_const_BD_Shape_int8_t_t pset_before, ppl_const_BD_Shape_int8_t_t pset_after, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_BD_Shape_int8_t_2 (ppl_const_BD_Shape_int8_t_t pset_before, ppl_const_BD_Shape_int8_t_t pset_after, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_BD_Shape_int8_t_2 (ppl_const_BD_Shape_int8_t_t pset_before, ppl_const_BD_Shape_int8_t_t pset_after, ppl_Polyhedron_t ph)
- int ppl_io_print_BD_Shape_int8_t (ppl_const_BD_Shape_int8_t_t x)
- int ppl_io_fprint_BD_Shape_int8_t (FILE *stream, ppl_const_BD_Shape_int8_t_t x)
- int ppl_io_asprint_BD_Shape_int8_t (char **strp, ppl_const_BD_Shape_int8_t_t x)
- int ppl_BD_Shape_int8_t_ascii_dump (ppl_const_BD_Shape_int8_t_t x, FILE *stream)
- int ppl_BD_Shape_int8_t_ascii_load (ppl_BD_Shape_int8_t_t x, FILE *stream)

7.8.1 Detailed Description

Types and functions for ppl_BD_Shape_int8_t_tag.

7.8.2 Friends And Related Function Documentation

7.8.2.1 int ppl_delete_BD_Shape_int8_t (ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.8.2.2 int ppl_new_BD_Shape_int8_t_from_space_dimension (ppl_BD_Shape_int8_t_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.8.2.3 int ppl_new_BD_Shape_int8_t_from_Int8_Box (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.8.2.4 int ppl_new_BD_Shape_int8_t_from_Int16_Box (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.8.2.5 int ppl_new_BD_Shape_int8_t_from_Int32_Box (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.8.2.6 int ppl_new_BD_Shape_int8_t_from_Int64_Box (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.8.2.7 int ppl_new_BD_Shape_int8_t_from_Uint8_Box (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.8.2.8 int ppl_new_BD_Shape_int8_t_from_Uint16_Box (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.8.2.9 int ppl_new_BD_Shape_int8_t_from_Uint32_Box (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.8.2.10 int ppl_new_BD_Shape_int8_t_from_Uint64_Box (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.8.2.11 int ppl_new_BD_Shape_int8_t_from_Z_Box (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.8.2.12 int ppl_new_BD_Shape_int8_t_from_Rational_Box (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.8.2.13 int ppl_new_BD_Shape_int8_t_from_BD_Shape_int8_t (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.8.2.14 int ppl_new_BD_Shape_int8_t_from_BD_Shape_int16_t (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.8.2.15 int ppl_new_BD_Shape_int8_t_from_BD_Shape_int32_t (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.8.2.16 int ppl_new_BD_Shape_int8_t_from_BD_Shape_int64_t (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.8.2.17 int ppl_new_BD_Shape_int8_t_from_BD_Shape_mpz_class (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.8.2.18 int ppl_new_BD_Shape_int8_t_from_BD_Shape_mpq_class (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.8.2.19 int ppl_new_BD_Shape_int8_t_from_Octagonal_Shape_int8_t (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.8.2.20 int ppl_new_BD_Shape_int8_t_from_Octagonal_Shape_int16_t (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.8.2.21 int ppl_new_BD_Shape_int8_t_from_Octagonal_Shape_int32_t (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.8.2.22 int ppl_new_BD_Shape_int8_t_from_Octagonal_Shape_int64_t (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.8.2.23 int ppl_new_BD_Shape_int8_t_from_Octagonal_Shape_mpz_class (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.8.2.24 int ppl_new_BD_Shape_int8_t_from_Octagonal_Shape_mpq_class (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.8.2.25 int ppl_new_BD_Shape_int8_t_from_C_Polyhedron (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.8.2.26 int ppl_new_BD_Shape_int8_t_from_NNC_Polyhedron (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.8.2.27 int ppl_new_BD_Shape_int8_t_from_Grid (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.8.2.28 int ppl_new_BD_Shape_int8_t_from_Float_Box (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.8.2.29 int ppl_new_BD_Shape_int8_t_from_BD_Shape_float (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.8.2.30 int ppl_new_BD_Shape_int8_t_from_Octagonal_Shape_float (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.8.2.31 int ppl_new_BD_Shape_int8_t_from_Double_Box (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.8.2.32 int ppl_new_BD_Shape_int8_t_from_BD_Shape_double (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.8.2.33 int ppl_new_BD_Shape_int8_t_from_Octagonal_Shape_double (ppl_BD_Shape_int8_t_t ∗ *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.8.2.34 int ppl_new_BD_Shape_int8_t_from_Long_Double_Box (ppl_BD_Shape_int8_t_t ∗ *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.8.2.35 int ppl_new_BD_Shape_int8_t_from_BD_Shape_long_double (ppl_BD_Shape_int8_t_t ∗ *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.8.2.36 int ppl_new_BD_Shape_int8_t_from_Octagonal_Shape_long_double (ppl_BD_Shape_int8_t_t ∗ *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.8.2.37 int ppl_new_BD_Shape_int8_t_from_Int8_Box_with_complexity (ppl_BD_Shape_int8_t_t ∗ *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.8.2.38 int ppl_new_BD_Shape_int8_t_from_Int16_Box_with_complexity (ppl_BD_Shape_int8_t_t ∗ *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.8.2.39 int ppl_new_BD_Shape_int8_t_from_Int32_Box_with_complexity (ppl_BD_Shape_int8_t_t ∗ *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.8.2.40 int ppl_new_BD_Shape_int8_t_from_Int64_Box_with_complexity (ppl_BD_Shape_int8_t_t ∗ *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.8.2.41 int ppl_new_BD_Shape_int8_t_from_Uint8_Box_with_complexity (ppl_BD_Shape_int8_t_t ∗ *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.8.2.42 int ppl_new_BD_Shape_int8_t_from_Uint16_Box_with_complexity (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.8.2.43 int ppl_new_BD_Shape_int8_t_from_Uint32_Box_with_complexity (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.8.2.44 int ppl_new_BD_Shape_int8_t_from_Uint64_Box_with_complexity (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.8.2.45 int ppl_new_BD_Shape_int8_t_from_Z_Box_with_complexity (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.8.2.46 int ppl_new_BD_Shape_int8_t_from_Rational_Box_with_complexity (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.8.2.47 int ppl_new_BD_Shape_int8_t_from_BD_Shape_int8_t_with_complexity (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.8.2.48 int ppl_new_BD_Shape_int8_t_from_BD_Shape_int16_t_with_complexity (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.8.2.49 int ppl_new_BD_Shape_int8_t_from_BD_Shape_int32_t_with_complexity (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.8.2.50 **int ppl_new_BD_Shape_int8_t_from_BD_Shape_int64_t_with_complexity (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]**

7.8.2.51 **int ppl_new_BD_Shape_int8_t_from_BD_Shape_mpz_class_with_complexity (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]**

7.8.2.52 **int ppl_new_BD_Shape_int8_t_from_BD_Shape_mpq_class_with_complexity (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]**

7.8.2.53 **int ppl_new_BD_Shape_int8_t_from_Octagonal_Shape_int8_t_with_complexity (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]**

7.8.2.54 **int ppl_new_BD_Shape_int8_t_from_Octagonal_Shape_int16_t_with_complexity (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]**

7.8.2.55 **int ppl_new_BD_Shape_int8_t_from_Octagonal_Shape_int32_t_with_complexity (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]**

7.8.2.56 **int ppl_new_BD_Shape_int8_t_from_Octagonal_Shape_int64_t_with_complexity (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]**

7.8.2.57 **int ppl_new_BD_Shape_int8_t_from_Octagonal_Shape_mpz_class_with_complexity (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]**

7.8.2.58 int ppl_new_BD_Shape_int8_t_from_Octagonal_Shape_mpq_class_with_complexity (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.8.2.59 int ppl_new_BD_Shape_int8_t_from_C_Polyhedron_with_complexity (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.8.2.60 int ppl_new_BD_Shape_int8_t_from_NNC_Polyhedron_with_complexity (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.8.2.61 int ppl_new_BD_Shape_int8_t_from_Grid_with_complexity (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.8.2.62 int ppl_new_BD_Shape_int8_t_from_Float_Box_with_complexity (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.8.2.63 int ppl_new_BD_Shape_int8_t_from_BD_Shape_float_with_complexity (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.8.2.64 int ppl_new_BD_Shape_int8_t_from_Octagonal_Shape_float_with_complexity (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.8.2.65 int ppl_new_BD_Shape_int8_t_from_Double_Box_with_complexity (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.8.2.66 int ppl_new_BD_Shape_int8_t_from_BD_Shape_double_with_complexity (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.8.2.67 int ppl_new_BD_Shape_int8_t_from_Octagonal_Shape_double_with_complexity (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.8.2.68 int ppl_new_BD_Shape_int8_t_from_Long_Double_Box_with_complexity (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.8.2.69 int ppl_new_BD_Shape_int8_t_from_BD_Shape_long_double_with_complexity (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.8.2.70 int ppl_new_BD_Shape_int8_t_from_Octagonal_Shape_long_double_with_complexity (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.8.2.71 int ppl_new_BD_Shape_int8_t_from_Constraint_System (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.8.2.72 int ppl_new_BD_Shape_int8_t_from_Congruence_System (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.8.2.73 int ppl_new_BD_Shape_int8_t_from_Generator_System (ppl_BD_Shape_int8_t_t * *pph*, ppl_const_Generator_System_t *cs*) [related]

7.8.2.74 int ppl_BD_Shape_int8_t_space_dimension (ppl_const_BD_Shape_int8_t_t *ph*, ppl_dimension_type * *m*) [related]

7.8.2.75 int ppl_BD_Shape_int8_t_affine_dimension (ppl_const_BD_Shape_int8_t_t *ph*, ppl_dimension_type * *m*) [related]

7.8.2.76 int ppl_BD_Shape_int8_t_relation_with_Constraint (ppl_const_BD_Shape_int8_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.8.2.77 int ppl_BD_Shape_int8_t_relation_with_Generator (ppl_const_BD_Shape_int8_t_t *ph*, ppl_const_Generator_t *c*) [related]

7.8.2.78 int ppl_BD_Shape_int8_t_relation_with_Congruence (ppl_const_BD_Shape_int8_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.8.2.79 int ppl_BD_Shape_int8_t_get_constraints (ppl_const_BD_Shape_int8_t_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.8.2.80 int ppl_BD_Shape_int8_t_get_congruences (ppl_const_BD_Shape_int8_t_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.8.2.81 int ppl_BD_Shape_int8_t_get_minimized_constraints (ppl_const_BD_Shape_int8_t_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.8.2.82 int ppl_BD_Shape_int8_t_get_minimized_congruences (ppl_const_BD_Shape_int8_t_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.8.2.83 int ppl_BD_Shape_int8_t_is_empty (ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.8.2.84 int ppl_BD_Shape_int8_t_is_universe (ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.8.2.85 int ppl_BD_Shape_int8_t_is_bounded (ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.8.2.86 int ppl_BD_Shape_int8_t_contains_integer_point (ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.8.2.87 int ppl_BD_Shape_int8_t_is_topologically_closed (ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.8.2.88 int ppl_BD_Shape_int8_t_is_discrete (ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.8.2.89 int ppl_BD_Shape_int8_t_topological_closure_assign (ppl_BD_Shape_int8_t_t *ph*) [related]

7.8.2.90 int ppl_BD_Shape_int8_t_bounds_from_above (ppl_const_BD_Shape_int8_t_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.8.2.91 int ppl_BD_Shape_int8_t_bounds_from_below (ppl_const_BD_Shape_int8_t_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.8.2.92 int ppl_BD_Shape_int8_t_maximize (ppl_const_BD_Shape_int8_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.8.2.93 int ppl_BD_Shape_int8_t_minimize (ppl_const_BD_Shape_int8_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.8.2.94 int ppl_BD_Shape_int8_t_maximize_with_point (ppl_const_BD_Shape_int8_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.8.2.95 int ppl_BD_Shape_int8_t_minimize_with_point (ppl_const_BD_Shape_int8_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.8.2.96 int ppl_BD_Shape_int8_t_frequency (ppl_const_BD_Shape_int8_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_fn*, ppl_Coefficient_t *ext_fd*, ppl_Coefficient_t *ext_vn*, ppl_Coefficient_t *ext_vd*) [related]

7.8.2.97 int ppl_BD_Shape_int8_t_contains_BD_Shape_int8_t (ppl_const_BD_Shape_int8_t_t *x*, ppl_const_BD_Shape_int8_t_t *y*) [related]

7.8.2.98 int ppl_BD_Shape_int8_t_strictly_contains_BD_Shape_int8_t (ppl_const_BD_Shape_int8_t_t *x*, ppl_const_BD_Shape_int8_t_t *y*) [related]

7.8.2.99 int ppl_BD_Shape_int8_t_is_disjoint_from_BD_Shape_int8_t (ppl_const_BD_Shape_int8_t_t *x*, ppl_const_BD_Shape_int8_t_t *y*) [related]

7.8.2.100 int ppl_BD_Shape_int8_t_equals_BD_Shape_int8_t (ppl_const_BD_Shape_int8_t_t *x*, ppl_const_BD_Shape_int8_t_t *y*) [related]

7.8.2.101 int ppl_BD_Shape_int8_t_OK (ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.8.2.102 int ppl_BD_Shape_int8_t_add_constraint (ppl_BD_Shape_int8_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.8.2.103 int ppl_BD_Shape_int8_t_add_congruence (ppl_BD_Shape_int8_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.8.2.104 int ppl_BD_Shape_int8_t_add_constraints (ppl_BD_Shape_int8_t_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.8.2.105 int ppl_BD_Shape_int8_t_add_congruences (ppl_BD_Shape_int8_t_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.8.2.106 int ppl_BD_Shape_int8_t_refine_with_constraint (ppl_BD_Shape_int8_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.8.2.107 int ppl_BD_Shape_int8_t_refine_with_congruence (ppl_BD_Shape_int8_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.8.2.108 int ppl_BD_Shape_int8_t_refine_with_constraints (ppl_BD_Shape_int8_t_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.8.2.109 int ppl_BD_Shape_int8_t_refine_with_congruences (ppl_BD_Shape_int8_t_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.8.2.110 int ppl_BD_Shape_int8_t_intersection_assign (ppl_BD_Shape_int8_t_t *x*, ppl_const_BD_Shape_int8_t_t *y*) [related]

7.8.2.111 int ppl_BD_Shape_int8_t_upper_bound_assign (ppl_BD_Shape_int8_t_t *x*, ppl_const_BD_Shape_int8_t_t *y*) [related]

7.8.2.112 int ppl_BD_Shape_int8_t_difference_assign (ppl_BD_Shape_int8_t_t *x*, ppl_const_BD_Shape_int8_t_t *y*) [related]

7.8.2.113 int ppl_BD_Shape_int8_t_concatenate_assign (ppl_BD_Shape_int8_t_t *x*, ppl_const_BD_Shape_int8_t_t *y*) [related]

7.8.2.114 int ppl_BD_Shape_int8_t_time_elapse_assign (ppl_BD_Shape_int8_t_t *x*, ppl_const_BD_Shape_int8_t_t *y*) [related]

7.8.2.115 int ppl_BD_Shape_int8_t_upper_bound_assign_if_exact (ppl_BD_Shape_int8_t_t *x*, ppl_const_BD_Shape_int8_t_t *y*) [related]

7.8.2.116 int ppl_BD_Shape_int8_t_simplify_using_context_assign (ppl_BD_Shape_int8_t_t *x*, ppl_const_BD_Shape_int8_t_t *y*) [related]

7.8.2.117 int ppl_BD_Shape_int8_t_constrains (ppl_BD_Shape_int8_t_t *ph*, ppl_dimension_type *var*) [related]

7.8.2.118 int ppl_BD_Shape_int8_t_unconstrain_space_dimension (ppl_BD_Shape_int8_t_t *ph*, ppl_dimension_type *var*) [related]

7.8.2.119 int ppl_BD_Shape_int8_t_unconstrain_space_dimensions (ppl_BD_Shape_int8_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.8.2.120 int ppl_BD_Shape_int8_t_affine_image (ppl_BD_Shape_int8_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.8.2.121 int ppl_BD_Shape_int8_t_affine_preimage (ppl_BD_Shape_int8_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.8.2.122 int ppl_BD_Shape_int8_t_bounded_affine_image (ppl_BD_Shape_int8_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.8.2.123 int ppl_BD_Shape_int8_t_bounded_affine_preimage (ppl_BD_Shape_int8_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.8.2.124 int ppl_BD_Shape_int8_t_generalized_affine_image (ppl_BD_Shape_int8_t_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.8.2.125 int ppl_BD_Shape_int8_t_generalized_affine_preimage (ppl_BD_Shape_int8_t_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.8.2.126 int ppl_BD_Shape_int8_t_generalized_affine_image_lhs_rhs (ppl_BD_Shape_int8_t_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.8.2.127 int ppl_BD_Shape_int8_t_generalized_affine_preimage_lhs_rhs (ppl_BD_Shape_int8_t_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.8.2.128 int ppl_BD_Shape_int8_t_add_space_dimensions_and_embed (ppl_BD_Shape_int8_t_t *ph*, ppl_dimension_type *d*) [related]

7.8.2.129 int ppl_BD_Shape_int8_t_add_space_dimensions_and_project (ppl_BD_Shape_int8_t_t *ph*, ppl_dimension_type *d*) [related]

7.8.2.130 int ppl_BD_Shape_int8_t_remove_space_dimensions (ppl_BD_Shape_int8_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.8.2.131 int ppl_BD_Shape_int8_t_remove_higher_space_dimensions (ppl_BD_Shape_int8_t_t *ph*, ppl_dimension_type *d*) [related]

7.8.2.132 int ppl_BD_Shape_int8_t_expand_space_dimension (ppl_BD_Shape_int8_t_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.8.2.133 int ppl_BD_Shape_int8_t_fold_space_dimensions (ppl_BD_Shape_int8_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.8.2.134 int ppl_BD_Shape_int8_t_map_space_dimensions (ppl_BD_Shape_int8_t_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.8.2.135 int ppl_BD_Shape_int8_t_drop_some_non_integer_points (ppl_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.8.2.136 int ppl_BD_Shape_int8_t_drop_some_non_integer_points_2 (ppl_BD_Shape_int8_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.8.2.137 int ppl_BD_Shape_int8_t_external_memory_in_bytes (ppl_const_BD_Shape_int8_t_t *ps*, size_t * *sz*) [related]

7.8.2.138 int ppl_BD_Shape_int8_t_total_memory_in_bytes (ppl_const_BD_Shape_int8_t_t *ps*, size_t * *sz*) [related]

7.8.2.139 int ppl_BD_Shape_int8_t_BHMZ05_widening_assign_with_tokens (ppl_BD_Shape_int8_t_t *x*, ppl_const_BD_Shape_int8_t_t *y*, unsigned * *tp*) [related]

7.8.2.140 int ppl_BD_Shape_int8_t_H79_widening_assign_with_tokens (ppl_BD_Shape_int8_t_t *x*, ppl_const_BD_Shape_int8_t_t *y*, unsigned * *tp*) [related]

7.8.2.141 int ppl_BD_Shape_int8_t_BHMZ05_widening_assign (ppl_BD_Shape_int8_t_t *x*, ppl_const_BD_Shape_int8_t_t *y*) [related]

7.8.2.142 int ppl_BD_Shape_int8_t_H79_widening_assign (ppl_BD_Shape_int8_t_t *x*, ppl_const_BD_Shape_int8_t_t *y*) [related]

7.8.2.143 int ppl_BD_Shape_int8_t_widening_assign_with_tokens (ppl_BD_Shape_int8_t_t *x*, ppl_const_BD_Shape_int8_t_t *y*, unsigned * *tp*) [related]

7.8.2.144 int ppl_BD_Shape_int8_t_widening_assign (ppl_BD_Shape_int8_t_t *x*, ppl_const_BD_Shape_int8_t_t *y*) [related]

7.8.2.145 int ppl_BD_Shape_int8_t_limited_BHMZ05_extrapolation_assign_with_tokens (ppl_BD_Shape_int8_t_t *x*, ppl_const_BD_Shape_int8_t_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.8.2.146 int ppl_BD_Shape_int8_t_limited_H79_extrapolation_assign_with_tokens (ppl_BD_Shape_int8_t_t *x*, ppl_const_BD_Shape_int8_t_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.8.2.147 int ppl_BD_Shape_int8_t_limited_CC76_extrapolation_assign_with_tokens (ppl_BD_Shape_int8_t_t *x*, ppl_const_BD_Shape_int8_t_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.8.2.148 int ppl_BD_Shape_int8_t_limited_BHMZ05_extrapolation_assign (ppl_BD_Shape_int8_t_t *x*, ppl_const_BD_Shape_int8_t_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.8.2.149 int ppl_BD_Shape_int8_t_limited_H79_extrapolation_assign (ppl_BD_Shape_int8_t_t *x*, ppl_const_BD_Shape_int8_t_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.8.2.150 int ppl_BD_Shape_int8_t_limited_CC76_extrapolation_assign (ppl_BD_Shape_int8_t_t *x*, ppl_const_BD_Shape_int8_t_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.8.2.151 int ppl_BD_Shape_int8_t_CC76_extrapolation_assign_with_tokens (ppl_BD_Shape_int8_t_t *x*, ppl_const_BD_Shape_int8_t_t *y*, unsigned * *tp*) [related]

7.8.2.152 int ppl_BD_Shape_int8_t_CC76_extrapolation_assign (ppl_BD_Shape_int8_t_t *x*, ppl_const_BD_Shape_int8_t_t *y*) [related]

7.8.2.153 int ppl_BD_Shape_int8_t_CC76_narrowing_assign (ppl_BD_Shape_int8_t_t *x*, ppl_const_BD_Shape_int8_t_t *y*) [related]

7.8.2.154 int ppl_BD_Shape_int8_t_linear_partition (ppl_const_BD_Shape_int8_t_t *x*, ppl_const_BD_Shape_int8_t_t *y*, ppl_BD_Shape_int8_t_t * *p_inters*, ppl_Pointset_Powerset_NNC_Polyhedron_t * *p_rest*) [related]

7.8.2.155 int ppl_BD_Shape_int8_t_wrap_assign (ppl_BD_Shape_int8_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, enum ppl_enum_Bounded_Integer_Type_Width *w*, enum ppl_enum_Bounded_Integer_Type_Representation *r*, enum ppl_enum_Bounded_Integer_Type_Overflow *o*, const ppl_const_Constraint_System_t * *pcs*, unsigned *complexity_threshold*, int *wrap_individually*) [related]

7.8.2.156 int ppl_new_BD_Shape_int8_t_recycle_Constraint_System (ppl_BD_Shape_int8_t_t * *pph*, ppl_Constraint_System_t *cs*) [related]

7.8.2.157 int ppl_new_BD_Shape_int8_t_recycle_Congruence_System (ppl_BD_Shape_int8_t_t * *pph*, ppl_Congruence_System_t *cs*) [related]

7.8.2.158 int ppl_new_BD_Shape_int8_t_recycle_Generator_System (ppl_BD_Shape_int8_t_t * *pph*, ppl_Generator_System_t *cs*) [related]

7.8.2.159 int ppl_assign_BD_Shape_int8_t_from_BD_Shape_int8_t (ppl_BD_Shape_int8_t_t *dst*, ppl_const_BD_Shape_int8_t_t *src*) [related]

7.8.2.160 int ppl_BD_Shape_int8_t_add_recycled_constraints (ppl_BD_Shape_int8_t_t *ph*, ppl_Constraint_System_t *cs*) [related]

7.8.2.161 int ppl_BD_Shape_int8_t_add_recycled_congruences (ppl_BD_Shape_int8_t_t *ph*, ppl_Congruence_System_t *cs*) [related]

7.8.2.162 int ppl_termination_test_MS_BD_Shape_int8_t (ppl_const_BD_Shape_int8_t_t *pset*) [related]

7.8.2.163 int ppl_termination_test_PR_BD_Shape_int8_t (ppl_const_BD_Shape_int8_t_t *pset*) [related]

7.8.2.164 int ppl_one_affine_ranking_function_MS_BD_Shape_int8_t (ppl_const_BD_Shape_int8_t_t *pset*, ppl_Generator_t *point*) [related]

7.8.2.165 int ppl_one_affine_ranking_function_PR_BD_Shape_int8_t (ppl_const_BD_Shape_int8_t_t *pset*, ppl_Generator_t *point*) [related]

7.8.2.166 int ppl_all_affine_ranking_functions_MS_BD_Shape_int8_t (ppl_const_BD_Shape_int8_t_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.8.2.167 int ppl_all_affine_ranking_functions_PR_BD_Shape_int8_t (ppl_const_BD_Shape_int8_t_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.8.2.168 int ppl_termination_test_MS_BD_Shape_int8_t_2 (ppl_const_BD_Shape_int8_t_t *pset_before*, ppl_const_BD_Shape_int8_t_t *pset_after*) [related]

7.8.2.169 int ppl_termination_test_PR_BD_Shape_int8_t_2 (ppl_const_BD_Shape_int8_t_t *pset_before*, ppl_const_BD_Shape_int8_t_t *pset_after*) [related]

7.8.2.170 int ppl_one_affine_ranking_function_MS_BD_Shape_int8_t_2 (ppl_const_BD_Shape_int8_t_t *pset_before*, ppl_const_BD_Shape_int8_t_t *pset_after*, ppl_Generator_t *point*) [related]

7.8.2.171 int ppl_one_affine_ranking_function_PR_BD_Shape_int8_t_2 (ppl_const_BD_Shape_int8_t_t *pset_before*, ppl_const_BD_Shape_int8_t_t *pset_after*, ppl_Generator_t *point*) [related]

7.8.2.172 int ppl_all_affine_ranking_functions_MS_BD_Shape_int8_t_2 (ppl_const_BD_Shape_int8_t_t *pset_before*, ppl_const_BD_Shape_int8_t_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.8.2.173 int ppl_all_affine_ranking_functions_PR_BD_Shape_int8_t_2 (ppl_const_BD_Shape_int8_t_t *pset_before*, ppl_const_BD_Shape_int8_t_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.8.2.174 int ppl_io_print_BD_Shape_int8_t (ppl_const_BD_Shape_int8_t_t *x*) [related]

7.8.2.175 int ppl_io_fprint_BD_Shape_int8_t (FILE * *stream*, ppl_const_BD_Shape_int8_t_t *x*) [related]

7.8.2.176 int ppl_io_asprint_BD_Shape_int8_t (char ** *strp*, ppl_const_BD_Shape_int8_t_t *x*) [related]

7.8.2.177 int ppl_BD_Shape_int8_t_ascii_dump (ppl_const_BD_Shape_int8_t_t *x*, FILE * *stream*) [related]

7.8.2.178 int ppl_BD_Shape_int8_t_ascii_load (ppl_BD_Shape_int8_t_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.9 ppl_BD_Shape_long_double_tag Interface Reference

Types and functions for ppl_BD_Shape_long_double_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_delete_BD_Shape_long_double (ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_BD_Shape_long_double_from_space_dimension (ppl_BD_Shape_long_double_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_BD_Shape_long_double_from_Int8_Box (ppl_BD_Shape_long_double_t *pph, ppl_const_Int8_Box_t ph)

- int ppl_new_BD_Shape_long_double_from_Int16_Box (ppl_BD_Shape_long_double_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_BD_Shape_long_double_from_Int32_Box (ppl_BD_Shape_long_double_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_BD_Shape_long_double_from_Int64_Box (ppl_BD_Shape_long_double_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_BD_Shape_long_double_from_Uint8_Box (ppl_BD_Shape_long_double_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_BD_Shape_long_double_from_Uint16_Box (ppl_BD_Shape_long_double_t *pph, ppl_const_Uint16_Box_t ph)
- int ppl_new_BD_Shape_long_double_from_Uint32_Box (ppl_BD_Shape_long_double_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_BD_Shape_long_double_from_Uint64_Box (ppl_BD_Shape_long_double_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_BD_Shape_long_double_from_Z_Box (ppl_BD_Shape_long_double_t *pph, ppl_const_Z_Box_t ph)
- int ppl_new_BD_Shape_long_double_from_Rational_Box (ppl_BD_Shape_long_double_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_BD_Shape_long_double_from_BD_Shape_int8_t (ppl_BD_Shape_long_double_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_BD_Shape_long_double_from_BD_Shape_int16_t (ppl_BD_Shape_long_double_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_BD_Shape_long_double_from_BD_Shape_int32_t (ppl_BD_Shape_long_double_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_BD_Shape_long_double_from_BD_Shape_int64_t (ppl_BD_Shape_long_double_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_BD_Shape_long_double_from_BD_Shape_mpz_class (ppl_BD_Shape_long_double_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_BD_Shape_long_double_from_BD_Shape_mpq_class (ppl_BD_Shape_long_double_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_BD_Shape_long_double_from_Octagonal_Shape_int8_t (ppl_BD_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_BD_Shape_long_double_from_Octagonal_Shape_int16_t (ppl_BD_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_BD_Shape_long_double_from_Octagonal_Shape_int32_t (ppl_BD_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_BD_Shape_long_double_from_Octagonal_Shape_int64_t (ppl_BD_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_BD_Shape_long_double_from_Octagonal_Shape_mpz_class (ppl_BD_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_BD_Shape_long_double_from_Octagonal_Shape_mpq_class (ppl_BD_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_BD_Shape_long_double_from_C_Polyhedron (ppl_BD_Shape_long_double_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_BD_Shape_long_double_from_NNC_Polyhedron (ppl_BD_Shape_long_double_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_BD_Shape_long_double_from_Grid (ppl_BD_Shape_long_double_t *pph, ppl_const_Grid_t ph)
- int ppl_new_BD_Shape_long_double_from_Float_Box (ppl_BD_Shape_long_double_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_BD_Shape_long_double_from_BD_Shape_float (ppl_BD_Shape_long_double_t *pph, ppl_const_BD_Shape_float_t ph)

- int ppl_new_BD_Shape_long_double_from_Octagonal_Shape_float (ppl_BD_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_BD_Shape_long_double_from_Double_Box (ppl_BD_Shape_long_double_t *pph, ppl_const_Double_Box_t ph)
- int ppl_new_BD_Shape_long_double_from_BD_Shape_double (ppl_BD_Shape_long_double_t *pph, ppl_const_BD_Shape_double_t ph)
- int ppl_new_BD_Shape_long_double_from_Octagonal_Shape_double (ppl_BD_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_BD_Shape_long_double_from_Long_Double_Box (ppl_BD_Shape_long_double_t *pph, ppl_const_Long_Double_Box_t ph)
- int ppl_new_BD_Shape_long_double_from_BD_Shape_long_double (ppl_BD_Shape_long_double_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_BD_Shape_long_double_from_Octagonal_Shape_long_double (ppl_BD_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_BD_Shape_long_double_from_Int8_Box_with_complexity (ppl_BD_Shape_long_double_t *pph, ppl_const_Int8_Box_t ph, int complexity)
- int ppl_new_BD_Shape_long_double_from_Int16_Box_with_complexity (ppl_BD_Shape_long_double_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_BD_Shape_long_double_from_Int32_Box_with_complexity (ppl_BD_Shape_long_double_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_BD_Shape_long_double_from_Int64_Box_with_complexity (ppl_BD_Shape_long_double_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_BD_Shape_long_double_from_Uint8_Box_with_complexity (ppl_BD_Shape_long_double_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_BD_Shape_long_double_from_Uint16_Box_with_complexity (ppl_BD_Shape_long_double_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_BD_Shape_long_double_from_Uint32_Box_with_complexity (ppl_BD_Shape_long_double_t *pph, ppl_const_Uint32_Box_t ph, int complexity)
- int ppl_new_BD_Shape_long_double_from_Uint64_Box_with_complexity (ppl_BD_Shape_long_double_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_BD_Shape_long_double_from_Z_Box_with_complexity (ppl_BD_Shape_long_double_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_BD_Shape_long_double_from_Rational_Box_with_complexity (ppl_BD_Shape_long_double_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_BD_Shape_long_double_from_BD_Shape_int8_t_with_complexity (ppl_BD_Shape_long_double_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)
- int ppl_new_BD_Shape_long_double_from_BD_Shape_int16_t_with_complexity (ppl_BD_Shape_long_double_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_BD_Shape_long_double_from_BD_Shape_int32_t_with_complexity (ppl_BD_Shape_long_double_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_BD_Shape_long_double_from_BD_Shape_int64_t_with_complexity (ppl_BD_Shape_long_double_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_BD_Shape_long_double_from_BD_Shape_mpz_class_with_complexity (ppl_BD_Shape_long_double_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_BD_Shape_long_double_from_BD_Shape_mpq_class_with_complexity (ppl_BD_Shape_long_double_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_BD_Shape_long_double_from_Octagonal_Shape_int8_t_with_complexity (ppl_BD_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_BD_Shape_long_double_from_Octagonal_Shape_int16_t_with_complexity (ppl_BD_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_BD_Shape_long_double_from_Octagonal_Shape_int32_t_with_complexity (ppl_BD_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)

- int ppl_new_BD_Shape_long_double_from_Octagonal_Shape_int64_t_with_complexity (ppl_BD_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_new_BD_Shape_long_double_from_Octagonal_Shape_mpz_class_with_complexity (ppl_BD_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_BD_Shape_long_double_from_Octagonal_Shape_mpq_class_with_complexity (ppl_BD_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_BD_Shape_long_double_from_C_Polyhedron_with_complexity (ppl_BD_Shape_long_double_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_BD_Shape_long_double_from_NNC_Polyhedron_with_complexity (ppl_BD_Shape_long_double_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_BD_Shape_long_double_from_Grid_with_complexity (ppl_BD_Shape_long_double_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_BD_Shape_long_double_from_Float_Box_with_complexity (ppl_BD_Shape_long_double_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_BD_Shape_long_double_from_BD_Shape_float_with_complexity (ppl_BD_Shape_long_double_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)
- int ppl_new_BD_Shape_long_double_from_Octagonal_Shape_float_with_complexity (ppl_BD_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_BD_Shape_long_double_from_Double_Box_with_complexity (ppl_BD_Shape_long_double_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_BD_Shape_long_double_from_BD_Shape_double_with_complexity (ppl_BD_Shape_long_double_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_BD_Shape_long_double_from_Octagonal_Shape_double_with_complexity (ppl_BD_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_BD_Shape_long_double_from_Long_Double_Box_with_complexity (ppl_BD_Shape_long_double_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_BD_Shape_long_double_from_BD_Shape_long_double_with_complexity (ppl_BD_Shape_long_double_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_BD_Shape_long_double_from_Octagonal_Shape_long_double_with_complexity (ppl_BD_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_BD_Shape_long_double_from_Constraint_System (ppl_BD_Shape_long_double_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_BD_Shape_long_double_from_Congruence_System (ppl_BD_Shape_long_double_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_new_BD_Shape_long_double_from_Generator_System (ppl_BD_Shape_long_double_t *pph, ppl_const_Generator_System_t cs)
- int ppl_BD_Shape_long_double_space_dimension (ppl_const_BD_Shape_long_double_t ph, ppl_dimension_type *m)
- int ppl_BD_Shape_long_double_affine_dimension (ppl_const_BD_Shape_long_double_t ph, ppl_dimension_type *m)
- int ppl_BD_Shape_long_double_relation_with_Constraint (ppl_const_BD_Shape_long_double_t ph, ppl_const_Constraint_t c)
- int ppl_BD_Shape_long_double_relation_with_Generator (ppl_const_BD_Shape_long_double_t ph, ppl_const_Generator_t c)
- int ppl_BD_Shape_long_double_relation_with_Congruence (ppl_const_BD_Shape_long_double_t ph, ppl_const_Congruence_t c)
- int ppl_BD_Shape_long_double_get_constraints (ppl_const_BD_Shape_long_double_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_BD_Shape_long_double_get_congruences (ppl_const_BD_Shape_long_double_t ph, ppl_const_Congruence_System_t *pcs)

- int ppl_BD_Shape_long_double_get_minimized_constraints (ppl_const_BD_Shape_long_double_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_BD_Shape_long_double_get_minimized_congruences (ppl_const_BD_Shape_long_double_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_BD_Shape_long_double_is_empty (ppl_const_BD_Shape_long_double_t ph)
- int ppl_BD_Shape_long_double_is_universe (ppl_const_BD_Shape_long_double_t ph)
- int ppl_BD_Shape_long_double_is_bounded (ppl_const_BD_Shape_long_double_t ph)
- int ppl_BD_Shape_long_double_contains_integer_point (ppl_const_BD_Shape_long_double_t ph)
- int ppl_BD_Shape_long_double_is_topologically_closed (ppl_const_BD_Shape_long_double_t ph)
- int ppl_BD_Shape_long_double_is_discrete (ppl_const_BD_Shape_long_double_t ph)
- int ppl_BD_Shape_long_double_topological_closure_assign (ppl_BD_Shape_long_double_t ph)
- int ppl_BD_Shape_long_double_bounds_from_above (ppl_const_BD_Shape_long_double_t ph, ppl_const_Linear_Expression_t le)
- int ppl_BD_Shape_long_double_bounds_from_below (ppl_const_BD_Shape_long_double_t ph, ppl_const_Linear_Expression_t le)
- int ppl_BD_Shape_long_double_maximize (ppl_const_BD_Shape_long_double_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_BD_Shape_long_double_minimize (ppl_const_BD_Shape_long_double_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_BD_Shape_long_double_maximize_with_point (ppl_const_BD_Shape_long_double_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_BD_Shape_long_double_minimize_with_point (ppl_const_BD_Shape_long_double_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_BD_Shape_long_double_frequency (ppl_const_BD_Shape_long_double_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_fn, ppl_Coefficient_t ext_fd, ppl_Coefficient_t ext_vn, ppl_Coefficient_t ext_vd)
- int ppl_BD_Shape_long_double_contains_BD_Shape_long_double (ppl_const_BD_Shape_long_double_t x, ppl_const_BD_Shape_long_double_t y)
- int ppl_BD_Shape_long_double_strictly_contains_BD_Shape_long_double (ppl_const_BD_Shape_long_double_t x, ppl_const_BD_Shape_long_double_t y)
- int ppl_BD_Shape_long_double_is_disjoint_from_BD_Shape_long_double (ppl_const_BD_Shape_long_double_t x, ppl_const_BD_Shape_long_double_t y)
- int ppl_BD_Shape_long_double_equals_BD_Shape_long_double (ppl_const_BD_Shape_long_double_t x, ppl_const_BD_Shape_long_double_t y)
- int ppl_BD_Shape_long_double_OK (ppl_const_BD_Shape_long_double_t ph)
- int ppl_BD_Shape_long_double_add_constraint (ppl_BD_Shape_long_double_t ph, ppl_const_Constraint_t c)
- int ppl_BD_Shape_long_double_add_congruence (ppl_BD_Shape_long_double_t ph, ppl_const_Congruence_t c)
- int ppl_BD_Shape_long_double_add_constraints (ppl_BD_Shape_long_double_t ph, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_long_double_add_congruences (ppl_BD_Shape_long_double_t ph, ppl_const_Congruence_System_t cs)
- int ppl_BD_Shape_long_double_refine_with_constraint (ppl_BD_Shape_long_double_t ph, ppl_const_Constraint_t c)
- int ppl_BD_Shape_long_double_refine_with_congruence (ppl_BD_Shape_long_double_t ph, ppl_const_Congruence_t c)
- int ppl_BD_Shape_long_double_refine_with_constraints (ppl_BD_Shape_long_double_t ph, ppl_const_Constraint_System_t cs)

- int ppl_BD_Shape_long_double_refine_with_congruences (ppl_BD_Shape_long_double_t ph, ppl_const_Congruence_System_t cs)
- int ppl_BD_Shape_long_double_intersection_assign (ppl_BD_Shape_long_double_t x, ppl_const_BD_Shape_long_double_t y)
- int ppl_BD_Shape_long_double_upper_bound_assign (ppl_BD_Shape_long_double_t x, ppl_const_BD_Shape_long_double_t y)
- int ppl_BD_Shape_long_double_difference_assign (ppl_BD_Shape_long_double_t x, ppl_const_BD_Shape_long_double_t y)
- int ppl_BD_Shape_long_double_concatenate_assign (ppl_BD_Shape_long_double_t x, ppl_const_BD_Shape_long_double_t y)
- int ppl_BD_Shape_long_double_time_elapse_assign (ppl_BD_Shape_long_double_t x, ppl_const_BD_Shape_long_double_t y)
- int ppl_BD_Shape_long_double_upper_bound_assign_if_exact (ppl_BD_Shape_long_double_t x, ppl_const_BD_Shape_long_double_t y)
- int ppl_BD_Shape_long_double_simplify_using_context_assign (ppl_BD_Shape_long_double_t x, ppl_const_BD_Shape_long_double_t y)
- int ppl_BD_Shape_long_double_constrains (ppl_BD_Shape_long_double_t ph, ppl_dimension_type var)
- int ppl_BD_Shape_long_double_unconstrain_space_dimension (ppl_BD_Shape_long_double_t ph, ppl_dimension_type var)
- int ppl_BD_Shape_long_double_unconstrain_space_dimensions (ppl_BD_Shape_long_double_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_BD_Shape_long_double_affine_image (ppl_BD_Shape_long_double_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_long_double_affine_preimage (ppl_BD_Shape_long_double_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_long_double_bounded_affine_image (ppl_BD_Shape_long_double_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_long_double_bounded_affine_preimage (ppl_BD_Shape_long_double_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_long_double_generalized_affine_image (ppl_BD_Shape_long_double_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_long_double_generalized_affine_preimage (ppl_BD_Shape_long_double_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_long_double_generalized_affine_image_lhs_rhs (ppl_BD_Shape_long_double_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_BD_Shape_long_double_generalized_affine_preimage_lhs_rhs (ppl_BD_Shape_long_double_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_BD_Shape_long_double_add_space_dimensions_and_embed (ppl_BD_Shape_long_double_t ph, ppl_dimension_type d)
- int ppl_BD_Shape_long_double_add_space_dimensions_and_project (ppl_BD_Shape_long_double_t ph, ppl_dimension_type d)
- int ppl_BD_Shape_long_double_remove_space_dimensions (ppl_BD_Shape_long_double_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_BD_Shape_long_double_remove_higher_space_dimensions (ppl_BD_Shape_long_double_t ph, ppl_dimension_type d)

- int ppl_BD_Shape_long_double_expand_space_dimension (ppl_BD_Shape_long_double_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_BD_Shape_long_double_fold_space_dimensions (ppl_BD_Shape_long_double_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_BD_Shape_long_double_map_space_dimensions (ppl_BD_Shape_long_double_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_BD_Shape_long_double_drop_some_non_integer_points (ppl_BD_Shape_long_double_t ph, int complexity)
- int ppl_BD_Shape_long_double_drop_some_non_integer_points_2 (ppl_BD_Shape_long_double_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_BD_Shape_long_double_external_memory_in_bytes (ppl_const_BD_Shape_long_double_t ps, size_t *sz)
- int ppl_BD_Shape_long_double_total_memory_in_bytes (ppl_const_BD_Shape_long_double_t ps, size_t *sz)
- int ppl_BD_Shape_long_double_BHMZ05_widening_assign_with_tokens (ppl_BD_Shape_long_double_t x, ppl_const_BD_Shape_long_double_t y, unsigned *tp)
- int ppl_BD_Shape_long_double_H79_widening_assign_with_tokens (ppl_BD_Shape_long_double_t x, ppl_const_BD_Shape_long_double_t y, unsigned *tp)
- int ppl_BD_Shape_long_double_BHMZ05_widening_assign (ppl_BD_Shape_long_double_t x, ppl_const_BD_Shape_long_double_t y)
- int ppl_BD_Shape_long_double_H79_widening_assign (ppl_BD_Shape_long_double_t x, ppl_const_BD_Shape_long_double_t y)
- int ppl_BD_Shape_long_double_widening_assign_with_tokens (ppl_BD_Shape_long_double_t x, ppl_const_BD_Shape_long_double_t y, unsigned *tp)
- int ppl_BD_Shape_long_double_widening_assign (ppl_BD_Shape_long_double_t x, ppl_const_BD_Shape_long_double_t y)
- int ppl_BD_Shape_long_double_limited_BHMZ05_extrapolation_assign_with_tokens (ppl_BD_Shape_long_double_t x, ppl_const_BD_Shape_long_double_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_BD_Shape_long_double_limited_H79_extrapolation_assign_with_tokens (ppl_BD_Shape_long_double_t x, ppl_const_BD_Shape_long_double_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_BD_Shape_long_double_limited_CC76_extrapolation_assign_with_tokens (ppl_BD_Shape_long_double_t x, ppl_const_BD_Shape_long_double_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_BD_Shape_long_double_limited_BHMZ05_extrapolation_assign (ppl_BD_Shape_long_double_t x, ppl_const_BD_Shape_long_double_t y, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_long_double_limited_H79_extrapolation_assign (ppl_BD_Shape_long_double_t x, ppl_const_BD_Shape_long_double_t y, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_long_double_limited_CC76_extrapolation_assign (ppl_BD_Shape_long_double_t x, ppl_const_BD_Shape_long_double_t y, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_long_double_CC76_extrapolation_assign_with_tokens (ppl_BD_Shape_long_double_t x, ppl_const_BD_Shape_long_double_t y, unsigned *tp)
- int ppl_BD_Shape_long_double_CC76_extrapolation_assign (ppl_BD_Shape_long_double_t x, ppl_const_BD_Shape_long_double_t y)
- int ppl_BD_Shape_long_double_CC76_narrowing_assign (ppl_BD_Shape_long_double_t x, ppl_const_BD_Shape_long_double_t y)
- int ppl_BD_Shape_long_double_linear_partition (ppl_const_BD_Shape_long_double_t x, ppl_const_BD_Shape_long_double_t y, ppl_BD_Shape_long_double_t *p_inters, ppl_Pointset_Powerset_NNC_Polyhedron_t *p_rest)

- int ppl_BD_Shape_long_double_wrap_assign (ppl_BD_Shape_long_double_t ph, ppl_dimension_type ds[ ], size_t n, enum ppl_enum_Bounded_Integer_Type_Width w, enum ppl_enum_Bounded_Integer_Type_Representation r, enum ppl_enum_Bounded_Integer_Type_Overflow o, const ppl_const_Constraint_System_t *pcs, unsigned complexity_threshold, int wrap_individually)
- int ppl_new_BD_Shape_long_double_recycle_Constraint_System (ppl_BD_Shape_long_double_t *pph, ppl_Constraint_System_t cs)
- int ppl_new_BD_Shape_long_double_recycle_Congruence_System (ppl_BD_Shape_long_double_t *pph, ppl_Congruence_System_t cs)
- int ppl_new_BD_Shape_long_double_recycle_Generator_System (ppl_BD_Shape_long_double_t *pph, ppl_Generator_System_t cs)
- int ppl_assign_BD_Shape_long_double_from_BD_Shape_long_double (ppl_BD_Shape_long_double_t dst, ppl_const_BD_Shape_long_double_t src)
- int ppl_BD_Shape_long_double_add_recycled_constraints (ppl_BD_Shape_long_double_t ph, ppl_Constraint_System_t cs)
- int ppl_BD_Shape_long_double_add_recycled_congruences (ppl_BD_Shape_long_double_t ph, ppl_Congruence_System_t cs)
- int ppl_termination_test_MS_BD_Shape_long_double (ppl_const_BD_Shape_long_double_t pset)
- int ppl_termination_test_PR_BD_Shape_long_double (ppl_const_BD_Shape_long_double_t pset)
- int ppl_one_affine_ranking_function_MS_BD_Shape_long_double (ppl_const_BD_Shape_long_double_t pset, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_BD_Shape_long_double (ppl_const_BD_Shape_long_double_t pset, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_BD_Shape_long_double (ppl_const_BD_Shape_long_double_t pset, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_BD_Shape_long_double (ppl_const_BD_Shape_long_double_t pset, ppl_Polyhedron_t ph)
- int ppl_termination_test_MS_BD_Shape_long_double_2 (ppl_const_BD_Shape_long_double_t pset_before, ppl_const_BD_Shape_long_double_t pset_after)
- int ppl_termination_test_PR_BD_Shape_long_double_2 (ppl_const_BD_Shape_long_double_t pset_before, ppl_const_BD_Shape_long_double_t pset_after)
- int ppl_one_affine_ranking_function_MS_BD_Shape_long_double_2 (ppl_const_BD_Shape_long_double_t pset_before, ppl_const_BD_Shape_long_double_t pset_after, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_BD_Shape_long_double_2 (ppl_const_BD_Shape_long_double_t pset_before, ppl_const_BD_Shape_long_double_t pset_after, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_BD_Shape_long_double_2 (ppl_const_BD_Shape_long_double_t pset_before, ppl_const_BD_Shape_long_double_t pset_after, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_BD_Shape_long_double_2 (ppl_const_BD_Shape_long_double_t pset_before, ppl_const_BD_Shape_long_double_t pset_after, ppl_Polyhedron_t ph)
- int ppl_io_print_BD_Shape_long_double (ppl_const_BD_Shape_long_double_t x)
- int ppl_io_fprint_BD_Shape_long_double (FILE *stream, ppl_const_BD_Shape_long_double_t x)
- int ppl_io_asprint_BD_Shape_long_double (char **strp, ppl_const_BD_Shape_long_double_t x)
- int ppl_BD_Shape_long_double_ascii_dump (ppl_const_BD_Shape_long_double_t x, FILE *stream)
- int ppl_BD_Shape_long_double_ascii_load (ppl_BD_Shape_long_double_t x, FILE *stream)

7.9.1 Detailed Description

Types and functions for ppl_BD_Shape_long_double_tag.

7.9.2 Friends And Related Function Documentation

7.9.2.1 int ppl_delete_BD_Shape_long_double (ppl_const_BD_Shape_long_double_t *ph*) [related]

7.9.2.2 int ppl_new_BD_Shape_long_double_from_space_dimension (ppl_BD_Shape_long_double_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.9.2.3 int ppl_new_BD_Shape_long_double_from_Int8_Box (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.9.2.4 int ppl_new_BD_Shape_long_double_from_Int16_Box (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.9.2.5 int ppl_new_BD_Shape_long_double_from_Int32_Box (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.9.2.6 int ppl_new_BD_Shape_long_double_from_Int64_Box (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.9.2.7 int ppl_new_BD_Shape_long_double_from_Uint8_Box (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.9.2.8 int ppl_new_BD_Shape_long_double_from_Uint16_Box (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.9.2.9 int ppl_new_BD_Shape_long_double_from_Uint32_Box (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.9.2.10 int ppl_new_BD_Shape_long_double_from_Uint64_Box (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.9.2.11 int ppl_new_BD_Shape_long_double_from_Z_Box (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.9.2.12 int ppl_new_BD_Shape_long_double_from_Rational_Box (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.9.2.13 int ppl_new_BD_Shape_long_double_from_BD_Shape_int8_t (ppl_BD_Shape_long_double_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.9.2.14 int ppl_new_BD_Shape_long_double_from_BD_Shape_int16_t (ppl_BD_Shape_long_double_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.9.2.15 int ppl_new_BD_Shape_long_double_from_BD_Shape_int32_t (ppl_BD_Shape_long_double_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.9.2.16 int ppl_new_BD_Shape_long_double_from_BD_Shape_int64_t (ppl_BD_Shape_long_double_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.9.2.17 int ppl_new_BD_Shape_long_double_from_BD_Shape_mpz_class (ppl_BD_Shape_long_double_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.9.2.18 int ppl_new_BD_Shape_long_double_from_BD_Shape_mpq_class (ppl_BD_Shape_long_double_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.9.2.19 int ppl_new_BD_Shape_long_double_from_Octagonal_Shape_int8_t (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.9.2.20 int ppl_new_BD_Shape_long_double_from_Octagonal_Shape_int16_t (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.9.2.21 int ppl_new_BD_Shape_long_double_from_Octagonal_Shape_int32_t (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.9.2.22 int ppl_new_BD_Shape_long_double_from_Octagonal_Shape_int64_t (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.9.2.23 int ppl_new_BD_Shape_long_double_from_Octagonal_Shape_mpz_class (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.9.2.24 int ppl_new_BD_Shape_long_double_from_Octagonal_Shape_mpq_class (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.9.2.25 int ppl_new_BD_Shape_long_double_from_C_Polyhedron (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.9.2.26 int ppl_new_BD_Shape_long_double_from_NNC_Polyhedron (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.9.2.27 int ppl_new_BD_Shape_long_double_from_Grid (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.9.2.28 int ppl_new_BD_Shape_long_double_from_Float_Box (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.9.2.29 int ppl_new_BD_Shape_long_double_from_BD_Shape_float (ppl_BD_Shape_long_double_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.9.2.30 int ppl_new_BD_Shape_long_double_from_Octagonal_Shape_float (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.9.2.31 int ppl_new_BD_Shape_long_double_from_Double_Box (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.9.2.32 int ppl_new_BD_Shape_long_double_from_BD_Shape_double (ppl_BD_Shape_long_double_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.9.2.33 int ppl_new_BD_Shape_long_double_from_Octagonal_Shape_double (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.9.2.34 int ppl_new_BD_Shape_long_double_from_Long_Double_Box (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.9.2.35 int ppl_new_BD_Shape_long_double_from_BD_Shape_long_double (ppl_BD_Shape_long_double_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.9.2.36 int ppl_new_BD_Shape_long_double_from_Octagonal_Shape_long_double (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.9.2.37 int ppl_new_BD_Shape_long_double_from_Int8_Box_with_complexity (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.9.2.38 int ppl_new_BD_Shape_long_double_from_Int16_Box_with_complexity (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.9.2.39 int ppl_new_BD_Shape_long_double_from_Int32_Box_with_complexity (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.9.2.40 int ppl_new_BD_Shape_long_double_from_Int64_Box_with_complexity (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.9.2.41 int ppl_new_BD_Shape_long_double_from_Uint8_Box_with_complexity (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.9.2.42 int ppl_new_BD_Shape_long_double_from_Uint16_Box_with_complexity (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.9.2.43 int ppl_new_BD_Shape_long_double_from_Uint32_Box_with_complexity (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.9.2.44 int ppl_new_BD_Shape_long_double_from_Uint64_Box_with_complexity (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.9.2.45 int ppl_new_BD_Shape_long_double_from_Z_Box_with_complexity (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.9.2.46 int ppl_new_BD_Shape_long_double_from_Rational_Box_with_complexity (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.9.2.47 int ppl_new_BD_Shape_long_double_from_BD_Shape_int8_t_with_complexity (ppl_BD_Shape_long_double_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.9.2.48 int ppl_new_BD_Shape_long_double_from_BD_Shape_int16_t_with_complexity (ppl_BD_Shape_long_double_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.9.2.49 int ppl_new_BD_Shape_long_double_from_BD_Shape_int32_t_with_complexity (ppl_BD_Shape_long_double_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.9.2.50 int ppl_new_BD_Shape_long_double_from_BD_Shape_int64_t_with_complexity (ppl_BD_Shape_long_double_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.9.2.51 int ppl_new_BD_Shape_long_double_from_BD_Shape_mpz_class_with_complexity (ppl_BD_Shape_long_double_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.9.2.52 int ppl_new_BD_Shape_long_double_from_BD_Shape_mpq_class_with_complexity (ppl_BD_Shape_long_double_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.9.2.53 int ppl_new_BD_Shape_long_double_from_Octagonal_Shape_int8_t_with_complexity (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.9.2.54 int ppl_new_BD_Shape_long_double_from_Octagonal_Shape_int16_t_with_complexity (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.9.2.55 int ppl_new_BD_Shape_long_double_from_Octagonal_Shape_int32_t_with_complexity (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.9.2.56 int ppl_new_BD_Shape_long_double_from_Octagonal_Shape_int64_t_with_complexity (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.9.2.57 int ppl_new_BD_Shape_long_double_from_Octagonal_Shape_-mpz_class_with_complexity (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.9.2.58 int ppl_new_BD_Shape_long_double_from_Octagonal_Shape_-mpq_class_with_complexity (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.9.2.59 int ppl_new_BD_Shape_long_double_from_C_Polyhedron_with_complexity (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.9.2.60 int ppl_new_BD_Shape_long_double_from_NNC_Polyhedron_with_complexity (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.9.2.61 int ppl_new_BD_Shape_long_double_from_Grid_with_complexity (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.9.2.62 int ppl_new_BD_Shape_long_double_from_Float_Box_with_complexity (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.9.2.63 int ppl_new_BD_Shape_long_double_from_BD_Shape_float_with_complexity (ppl_BD_Shape_long_double_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.9.2.64 int ppl_new_BD_Shape_long_double_from_Octagonal_Shape_float_with_complexity (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.9.2.65 int ppl_new_BD_Shape_long_double_from_Double_Box_with_complexity (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.9.2.66 int ppl_new_BD_Shape_long_double_from_BD_Shape_double_with_complexity (ppl_BD_Shape_long_double_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.9.2.67 int ppl_new_BD_Shape_long_double_from_Octagonal_Shape_double_with_complexity (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.9.2.68 int ppl_new_BD_Shape_long_double_from_Long_Double_Box_with_complexity (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.9.2.69 int ppl_new_BD_Shape_long_double_from_BD_Shape_long_double_with_complexity (ppl_BD_Shape_long_double_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.9.2.70 int ppl_new_BD_Shape_long_double_from_Octagonal_Shape_-long_double_with_complexity (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.9.2.71 int ppl_new_BD_Shape_long_double_from_Constraint_System (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.9.2.72 int ppl_new_BD_Shape_long_double_from_Congruence_System (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.9.2.73 int ppl_new_BD_Shape_long_double_from_Generator_System (ppl_BD_Shape_long_double_t * *pph*, ppl_const_Generator_System_t *cs*) [related]

7.9.2.74 int ppl_BD_Shape_long_double_space_dimension (ppl_const_BD_Shape_long_double_t *ph*, ppl_dimension_type * *m*) [related]

7.9.2.75 int ppl_BD_Shape_long_double_affine_dimension (ppl_const_BD_Shape_long_double_t *ph*, ppl_dimension_type * *m*) [related]

7.9.2.76 int ppl_BD_Shape_long_double_relation_with_Constraint (ppl_const_BD_Shape_long_-double_t *ph*, ppl_const_Constraint_t *c*) [related]

7.9.2.77 int ppl_BD_Shape_long_double_relation_with_Generator (ppl_const_BD_Shape_long_double_t *ph*, ppl_const_Generator_t *c*) [related]

7.9.2.78 int ppl_BD_Shape_long_double_relation_with_Congruence (ppl_const_BD_Shape_long_double_t *ph*, ppl_const_Congruence_t *c*) [related]

7.9.2.79 int ppl_BD_Shape_long_double_get_constraints (ppl_const_BD_Shape_long_double_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.9.2.80 int ppl_BD_Shape_long_double_get_congruences (ppl_const_BD_Shape_long_double_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.9.2.81 int ppl_BD_Shape_long_double_get_minimized_constraints (ppl_const_BD_Shape_long_double_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.9.2.82 int ppl_BD_Shape_long_double_get_minimized_congruences (ppl_const_BD_Shape_long_double_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.9.2.83 int ppl_BD_Shape_long_double_is_empty (ppl_const_BD_Shape_long_double_t *ph*) [related]

7.9.2.84 int ppl_BD_Shape_long_double_is_universe (ppl_const_BD_Shape_long_double_t *ph*) [related]

7.9.2.85 int ppl_BD_Shape_long_double_is_bounded (ppl_const_BD_Shape_long_double_t *ph*) [related]

7.9.2.86 int ppl_BD_Shape_long_double_contains_integer_point (ppl_const_BD_Shape_long_double_t *ph*) [related]

7.9.2.87 int ppl_BD_Shape_long_double_is_topologically_closed (ppl_const_BD_Shape_long_double_t *ph*) [related]

7.9.2.88 int ppl_BD_Shape_long_double_is_discrete (ppl_const_BD_Shape_long_double_t *ph*) [related]

7.9.2.89 int ppl_BD_Shape_long_double_topological_closure_assign (ppl_BD_Shape_long_double_t *ph*) [related]

7.9.2.90 int ppl_BD_Shape_long_double_bounds_from_above (ppl_const_BD_Shape_long_double_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.9.2.91 int ppl_BD_Shape_long_double_bounds_from_below (ppl_const_BD_Shape_long_double_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.9.2.92 int ppl_BD_Shape_long_double_maximize (ppl_const_BD_Shape_long_double_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.9.2.93 int ppl_BD_Shape_long_double_minimize (ppl_const_BD_Shape_long_double_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.9.2.94 int ppl_BD_Shape_long_double_maximize_with_point (ppl_const_BD_Shape_long_double_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.9.2.95 int ppl_BD_Shape_long_double_minimize_with_point (ppl_const_BD_Shape_long_double_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.9.2.96 int ppl_BD_Shape_long_double_frequency (ppl_const_BD_Shape_long_double_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_fn*, ppl_Coefficient_t *ext_fd*, ppl_Coefficient_t *ext_vn*, ppl_Coefficient_t *ext_vd*) [related]

7.9.2.97 int ppl_BD_Shape_long_double_contains_BD_Shape_long_double (ppl_const_BD_Shape_long_double_t *x*, ppl_const_BD_Shape_long_double_t *y*) [related]

7.9.2.98 int ppl_BD_Shape_long_double_strictly_contains_BD_Shape_long_double (ppl_const_BD_Shape_long_double_t *x*, ppl_const_BD_Shape_long_double_t *y*) [related]

7.9.2.99 int ppl_BD_Shape_long_double_is_disjoint_from_BD_Shape_long_double (ppl_const_BD_Shape_long_double_t *x*, ppl_const_BD_Shape_long_double_t *y*) [related]

7.9.2.100 int ppl_BD_Shape_long_double_equals_BD_Shape_long_double (ppl_const_BD_Shape_long_double_t *x*, ppl_const_BD_Shape_long_double_t *y*) [related]

7.9.2.101 int ppl_BD_Shape_long_double_OK (ppl_const_BD_Shape_long_double_t *ph*) [related]

7.9.2.102 int ppl_BD_Shape_long_double_add_constraint (ppl_BD_Shape_long_double_t *ph*, ppl_const_Constraint_t *c*) [related]

7.9.2.103 int ppl_BD_Shape_long_double_add_congruence (ppl_BD_Shape_long_double_t *ph*, ppl_const_Congruence_t *c*) [related]

7.9.2.104 int ppl_BD_Shape_long_double_add_constraints (ppl_BD_Shape_long_double_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.9.2.105 int ppl_BD_Shape_long_double_add_congruences (ppl_BD_Shape_long_double_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.9.2.106 int ppl_BD_Shape_long_double_refine_with_constraint (ppl_BD_Shape_long_double_t *ph*, ppl_const_Constraint_t *c*) [related]

7.9.2.107 int ppl_BD_Shape_long_double_refine_with_congruence (ppl_BD_Shape_long_double_t *ph*, ppl_const_Congruence_t *c*) [related]

7.9.2.108 int ppl_BD_Shape_long_double_refine_with_constraints (ppl_BD_Shape_long_double_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.9.2.109 int ppl_BD_Shape_long_double_refine_with_congruences (ppl_-BD_Shape_long_double_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.9.2.110 int ppl_BD_Shape_long_double_intersection_assign (ppl_BD_Shape_long_double_t *x*, ppl_const_BD_Shape_long_double_t *y*) [related]

7.9.2.111 int ppl_BD_Shape_long_double_upper_bound_assign (ppl_BD_Shape_long_double_t *x*, ppl_const_BD_Shape_long_double_t *y*) [related]

7.9.2.112 int ppl_BD_Shape_long_double_difference_assign (ppl_BD_Shape_long_double_t *x*, ppl_const_BD_Shape_long_double_t *y*) [related]

7.9.2.113 int ppl_BD_Shape_long_double_concatenate_assign (ppl_BD_Shape_long_double_t *x*, ppl_const_BD_Shape_long_double_t *y*) [related]

7.9.2.114 int ppl_BD_Shape_long_double_time_elapse_assign (ppl_BD_Shape_long_double_t *x*, ppl_const_BD_Shape_long_double_t *y*) [related]

7.9.2.115 int ppl_BD_Shape_long_double_upper_bound_assign_if_exact (ppl_BD_Shape_long_double_t *x*, ppl_const_BD_Shape_long_double_t *y*) [related]

7.9.2.116 int ppl_BD_Shape_long_double_simplify_using_context_assign (ppl_BD_Shape_long_double_t *x*, ppl_const_BD_Shape_long_double_t *y*) [related]

7.9.2.117 int ppl_BD_Shape_long_double_constrains (ppl_BD_Shape_long_double_t *ph*, ppl_dimension_type *var*) [related]

7.9.2.118 int ppl_BD_Shape_long_double_unconstrain_space_dimension (ppl_BD_Shape_long_double_t *ph*, ppl_dimension_type *var*) [related]

7.9.2.119 int ppl_BD_Shape_long_double_unconstrain_space_dimensions (ppl_BD_Shape_long_double_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.9.2.120 int ppl_BD_Shape_long_double_affine_image (ppl_BD_Shape_long_double_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.9.2.121 int ppl_BD_Shape_long_double_affine_preimage (ppl_BD_Shape_long_double_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.9.2.122 int ppl_BD_Shape_long_double_bounded_affine_image (ppl_BD_Shape_long_double_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.9.2.123 int ppl_BD_Shape_long_double_bounded_affine_preimage (ppl_BD_Shape_long_double_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.9.2.124 int ppl_BD_Shape_long_double_generalized_affine_image (ppl_BD_Shape_long_double_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.9.2.125 int ppl_BD_Shape_long_double_generalized_affine_preimage (ppl_BD_Shape_long_double_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.9.2.126 int ppl_BD_Shape_long_double_generalized_affine_image_lhs_rhs (ppl_BD_Shape_long_double_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.9.2.127 int ppl_BD_Shape_long_double_generalized_affine_preimage_lhs_rhs (ppl_BD_Shape_long_double_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.9.2.128 int ppl_BD_Shape_long_double_add_space_dimensions_and_embed (ppl_BD_Shape_long_double_t *ph*, ppl_dimension_type *d*) [related]

7.9.2.129 int ppl_BD_Shape_long_double_add_space_dimensions_and_project (ppl_BD_Shape_long_double_t *ph*, ppl_dimension_type *d*) [related]

7.9.2.130 int ppl_BD_Shape_long_double_remove_space_dimensions (ppl_BD_Shape_long_double_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.9.2.131 int ppl_BD_Shape_long_double_remove_higher_space_dimensions (ppl_BD_Shape_long_double_t *ph*, ppl_dimension_type *d*) [related]

7.9.2.132 int ppl_BD_Shape_long_double_expand_space_dimension (ppl_BD_Shape_long_double_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.9.2.133 int ppl_BD_Shape_long_double_fold_space_dimensions (ppl_BD_Shape_long_double_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.9.2.134 int ppl_BD_Shape_long_double_map_space_dimensions (ppl_BD_Shape_long_double_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.9.2.135 int ppl_BD_Shape_long_double_drop_some_non_integer_points (ppl_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.9.2.136 int ppl_BD_Shape_long_double_drop_some_non_integer_points_2 (ppl_BD_Shape_long_double_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.9.2.137 int ppl_BD_Shape_long_double_external_memory_in_bytes (ppl_const_BD_Shape_long_double_t *ps*, size_t * *sz*) [related]

7.9.2.138 int ppl_BD_Shape_long_double_total_memory_in_bytes (ppl_const_BD_Shape_long_double_t *ps*, size_t * *sz*) [related]

7.9.2.139 int ppl_BD_Shape_long_double_BHMZ05_widening_assign_with_tokens (ppl_BD_Shape_long_double_t *x*, ppl_const_BD_Shape_long_double_t *y*, unsigned * *tp*) [related]

7.9.2.140 int ppl_BD_Shape_long_double_H79_widening_assign_with_tokens (ppl_BD_Shape_long_double_t *x*, ppl_const_BD_Shape_long_double_t *y*, unsigned * *tp*) [related]

7.9.2.141 int ppl_BD_Shape_long_double_BHMZ05_widening_assign (ppl_BD_Shape_long_double_t *x*, ppl_const_BD_Shape_long_double_t *y*) [related]

7.9.2.142 int ppl_BD_Shape_long_double_H79_widening_assign (ppl_BD_Shape_long_double_t *x*, ppl_const_BD_Shape_long_double_t *y*) [related]

7.9.2.143 int ppl_BD_Shape_long_double_widening_assign_with_tokens (ppl_BD_Shape_long_double_t *x*, ppl_const_BD_Shape_long_double_t *y*, unsigned * *tp*) [related]

7.9.2.144 int ppl_BD_Shape_long_double_widening_assign (ppl_BD_Shape_long_double_t *x*, ppl_const_BD_Shape_long_double_t *y*) [related]

7.9.2.145 int ppl_BD_Shape_long_double_limited_BHMZ05_extrapolation_assign_with_tokens (ppl_BD_Shape_long_double_t *x*, ppl_const_BD_Shape_long_double_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.9.2.146 int ppl_BD_Shape_long_double_limited_H79_extrapolation_assign_with_tokens (ppl_BD_Shape_long_double_t *x*, ppl_const_BD_Shape_long_double_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.9.2.147 int ppl_BD_Shape_long_double_limited_CC76_extrapolation_assign_with_tokens (ppl_BD_Shape_long_double_t *x*, ppl_const_BD_Shape_long_double_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.9.2.148 int ppl_BD_Shape_long_double_limited_BHMZ05_extrapolation_assign (ppl_BD_Shape_long_double_t *x*, ppl_const_BD_Shape_long_double_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.9.2.149 int ppl_BD_Shape_long_double_limited_H79_extrapolation_assign (ppl_BD_Shape_long_double_t *x*, ppl_const_BD_Shape_long_double_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.9.2.150 int ppl_BD_Shape_long_double_limited_CC76_extrapolation_assign (ppl_BD_Shape_long_double_t *x*, ppl_const_BD_Shape_long_double_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.9.2.151 int ppl_BD_Shape_long_double_CC76_extrapolation_assign_with_tokens (ppl_BD_Shape_long_double_t *x*, ppl_const_BD_Shape_long_double_t *y*, unsigned * *tp*) [related]

7.9.2.152 int ppl_BD_Shape_long_double_CC76_extrapolation_assign (ppl_BD_Shape_long_double_t *x*, ppl_const_BD_Shape_long_double_t *y*) [related]

7.9.2.153 int ppl_BD_Shape_long_double_CC76_narrowing_assign (ppl_BD_-Shape_long_double_t *x*, ppl_const_BD_Shape_long_double_t *y*) [related]

7.9.2.154 int ppl_BD_Shape_long_double_linear_partition (ppl_const_BD_Shape_long_double_t *x*, ppl_const_BD_Shape_long_double_t *y*, ppl_BD_Shape_long_double_t * *p_inters*, ppl_Pointset_Powerset_NNC_Polyhedron_t * *p_rest*) [related]

7.9.2.155 int ppl_BD_Shape_long_double_wrap_assign (ppl_BD_Shape_long_double_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, enum ppl_enum_Bounded_Integer_Type_Width *w*, enum ppl_enum_Bounded_Integer_Type_Representation *r*, enum ppl_enum_Bounded_Integer_Type_Overflow *o*, const ppl_const_Constraint_System_t * *pcs*, unsigned *complexity_threshold*, int *wrap_individually*) [related]

7.9.2.156 int ppl_new_BD_Shape_long_double_recycle_Constraint_System (ppl_BD_Shape_long_double_t * *pph*, ppl_Constraint_System_t *cs*) [related]

7.9.2.157 int ppl_new_BD_Shape_long_double_recycle_Congruence_System (ppl_BD_Shape_long_double_t * *pph*, ppl_Congruence_System_t *cs*) [related]

7.9.2.158 int ppl_new_BD_Shape_long_double_recycle_Generator_System (ppl_BD_Shape_long_double_t * *pph*, ppl_Generator_System_t *cs*) [related]

7.9.2.159 int ppl_assign_BD_Shape_long_double_from_BD_Shape_long_double (ppl_BD_Shape_long_double_t *dst*, ppl_const_BD_Shape_long_double_t *src*) [related]

7.9.2.160 int ppl_BD_Shape_long_double_add_recycled_constraints (ppl_BD_Shape_long_double_t *ph*, ppl_Constraint_System_t *cs*) [related]

7.9.2.161 int ppl_BD_Shape_long_double_add_recycled_congruences (ppl_BD_Shape_long_double_t *ph*, ppl_Congruence_System_t *cs*) [related]

7.9.2.162 int ppl_termination_test_MS_BD_Shape_long_double (ppl_const_BD_Shape_long_double_t *pset*) [related]

7.9.2.163 int ppl_termination_test_PR_BD_Shape_long_double (ppl_const_BD_Shape_long_double_t *pset*) [related]

7.9.2.164 int ppl_one_affine_ranking_function_MS_BD_Shape_long_double (ppl_const_BD_Shape_long_double_t *pset*, ppl_Generator_t *point*) [related]

7.9.2.165 int ppl_one_affine_ranking_function_PR_BD_Shape_long_double (ppl_const_BD_Shape_long_double_t *pset*, ppl_Generator_t *point*) [related]

7.9.2.166 int ppl_all_affine_ranking_functions_MS_BD_Shape_long_double (ppl_const_BD_Shape_long_double_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.9.2.167 int ppl_all_affine_ranking_functions_PR_BD_Shape_long_double (ppl_const_BD_Shape_long_double_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.9.2.168 int ppl_termination_test_MS_BD_Shape_long_double_2 (ppl_const_BD_Shape_long_double_t *pset_before*, ppl_const_BD_Shape_long_double_t *pset_after*) [related]

7.9.2.169 int ppl_termination_test_PR_BD_Shape_long_double_2 (ppl_const_BD_Shape_long_double_t *pset_before*, ppl_const_BD_Shape_long_double_t *pset_after*) [related]

7.9.2.170 int ppl_one_affine_ranking_function_MS_BD_Shape_long_double_2 (ppl_const_BD_Shape_long_double_t *pset_before*, ppl_const_BD_Shape_long_double_t *pset_after*, ppl_Generator_t *point*) [related]

7.9.2.171 int ppl_one_affine_ranking_function_PR_BD_Shape_long_double_2 (ppl_const_BD_Shape_long_double_t *pset_before*, ppl_const_BD_Shape_long_double_t *pset_after*, ppl_Generator_t *point*) [related]

7.9.2.172 int ppl_all_affine_ranking_functions_MS_BD_Shape_long_double_2 (ppl_const_BD_Shape_long_double_t *pset_before*, ppl_const_BD_Shape_long_double_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.9.2.173 int ppl_all_affine_ranking_functions_PR_BD_Shape_long_double_2 (ppl_const_BD_Shape_long_double_t *pset_before*, ppl_const_BD_Shape_long_double_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.9.2.174 int ppl_io_print_BD_Shape_long_double (ppl_const_BD_Shape_long_double_t *x*) [related]

7.9.2.175 int ppl_io_fprint_BD_Shape_long_double (FILE * *stream*, ppl_const_BD_Shape_long_double_t *x*) [related]

7.9.2.176 int ppl_io_asprint_BD_Shape_long_double (char ** *strp*, ppl_const_BD_Shape_long_double_t *x*) [related]

7.9.2.177 int ppl_BD_Shape_long_double_ascii_dump (ppl_const_BD_Shape_long_double_t *x*, FILE * *stream*) [related]

7.9.2.178 int ppl_BD_Shape_long_double_ascii_load (ppl_BD_Shape_long_double_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.10 ppl_BD_Shape_mpq_class_tag Interface Reference

Types and functions for ppl_BD_Shape_mpq_class_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_BD_Shape_mpq_class (ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_BD_Shape_mpq_class_from_space_dimension (ppl_BD_Shape_mpq_class_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_BD_Shape_mpq_class_from_Int8_Box (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Int8_Box_t ph)
- int ppl_new_BD_Shape_mpq_class_from_Int16_Box (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_BD_Shape_mpq_class_from_Int32_Box (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_BD_Shape_mpq_class_from_Int64_Box (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_BD_Shape_mpq_class_from_Uint8_Box (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_BD_Shape_mpq_class_from_Uint16_Box (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Uint16_Box_t ph)
- int ppl_new_BD_Shape_mpq_class_from_Uint32_Box (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_BD_Shape_mpq_class_from_Uint64_Box (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_BD_Shape_mpq_class_from_Z_Box (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Z_Box_t ph)
- int ppl_new_BD_Shape_mpq_class_from_Rational_Box (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_BD_Shape_mpq_class_from_BD_Shape_int8_t (ppl_BD_Shape_mpq_class_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_BD_Shape_mpq_class_from_BD_Shape_int16_t (ppl_BD_Shape_mpq_class_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_BD_Shape_mpq_class_from_BD_Shape_int32_t (ppl_BD_Shape_mpq_class_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_BD_Shape_mpq_class_from_BD_Shape_int64_t (ppl_BD_Shape_mpq_class_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_BD_Shape_mpq_class_from_BD_Shape_mpz_class (ppl_BD_Shape_mpq_class_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_BD_Shape_mpq_class_from_BD_Shape_mpq_class (ppl_BD_Shape_mpq_class_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_BD_Shape_mpq_class_from_Octagonal_Shape_int8_t (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)

- int ppl_new_BD_Shape_mpq_class_from_Octagonal_Shape_int16_t (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_BD_Shape_mpq_class_from_Octagonal_Shape_int32_t (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_BD_Shape_mpq_class_from_Octagonal_Shape_int64_t (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_BD_Shape_mpq_class_from_Octagonal_Shape_mpz_class (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_BD_Shape_mpq_class_from_Octagonal_Shape_mpq_class (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_BD_Shape_mpq_class_from_C_Polyhedron (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_BD_Shape_mpq_class_from_NNC_Polyhedron (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_BD_Shape_mpq_class_from_Grid (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Grid_t ph)
- int ppl_new_BD_Shape_mpq_class_from_Float_Box (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_BD_Shape_mpq_class_from_BD_Shape_float (ppl_BD_Shape_mpq_class_t *pph, ppl_const_BD_Shape_float_t ph)
- int ppl_new_BD_Shape_mpq_class_from_Octagonal_Shape_float (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_BD_Shape_mpq_class_from_Double_Box (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Double_Box_t ph)
- int ppl_new_BD_Shape_mpq_class_from_BD_Shape_double (ppl_BD_Shape_mpq_class_t *pph, ppl_const_BD_Shape_double_t ph)
- int ppl_new_BD_Shape_mpq_class_from_Octagonal_Shape_double (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_BD_Shape_mpq_class_from_Long_Double_Box (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Long_Double_Box_t ph)
- int ppl_new_BD_Shape_mpq_class_from_BD_Shape_long_double (ppl_BD_Shape_mpq_class_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_BD_Shape_mpq_class_from_Octagonal_Shape_long_double (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_BD_Shape_mpq_class_from_Int8_Box_with_complexity (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Int8_Box_t ph, int complexity)
- int ppl_new_BD_Shape_mpq_class_from_Int16_Box_with_complexity (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_BD_Shape_mpq_class_from_Int32_Box_with_complexity (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_BD_Shape_mpq_class_from_Int64_Box_with_complexity (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_BD_Shape_mpq_class_from_Uint8_Box_with_complexity (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_BD_Shape_mpq_class_from_Uint16_Box_with_complexity (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_BD_Shape_mpq_class_from_Uint32_Box_with_complexity (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Uint32_Box_t ph, int complexity)
- int ppl_new_BD_Shape_mpq_class_from_Uint64_Box_with_complexity (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_BD_Shape_mpq_class_from_Z_Box_with_complexity (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Z_Box_t ph, int complexity)

- int ppl_new_BD_Shape_mpq_class_from_Rational_Box_with_complexity (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_BD_Shape_mpq_class_from_BD_Shape_int8_t_with_complexity (ppl_BD_Shape_mpq_class_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)
- int ppl_new_BD_Shape_mpq_class_from_BD_Shape_int16_t_with_complexity (ppl_BD_Shape_mpq_class_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_BD_Shape_mpq_class_from_BD_Shape_int32_t_with_complexity (ppl_BD_Shape_mpq_class_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_BD_Shape_mpq_class_from_BD_Shape_int64_t_with_complexity (ppl_BD_Shape_mpq_class_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_BD_Shape_mpq_class_from_BD_Shape_mpz_class_with_complexity (ppl_BD_Shape_mpq_class_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_BD_Shape_mpq_class_from_BD_Shape_mpq_class_with_complexity (ppl_BD_Shape_mpq_class_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_BD_Shape_mpq_class_from_Octagonal_Shape_int8_t_with_complexity (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_BD_Shape_mpq_class_from_Octagonal_Shape_int16_t_with_complexity (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_BD_Shape_mpq_class_from_Octagonal_Shape_int32_t_with_complexity (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_BD_Shape_mpq_class_from_Octagonal_Shape_int64_t_with_complexity (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_new_BD_Shape_mpq_class_from_Octagonal_Shape_mpz_class_with_complexity (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_BD_Shape_mpq_class_from_Octagonal_Shape_mpq_class_with_complexity (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_BD_Shape_mpq_class_from_C_Polyhedron_with_complexity (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_BD_Shape_mpq_class_from_NNC_Polyhedron_with_complexity (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_BD_Shape_mpq_class_from_Grid_with_complexity (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_BD_Shape_mpq_class_from_Float_Box_with_complexity (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_BD_Shape_mpq_class_from_BD_Shape_float_with_complexity (ppl_BD_Shape_mpq_class_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)
- int ppl_new_BD_Shape_mpq_class_from_Octagonal_Shape_float_with_complexity (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_BD_Shape_mpq_class_from_Double_Box_with_complexity (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_BD_Shape_mpq_class_from_BD_Shape_double_with_complexity (ppl_BD_Shape_mpq_class_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_BD_Shape_mpq_class_from_Octagonal_Shape_double_with_complexity (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_BD_Shape_mpq_class_from_Long_Double_Box_with_complexity (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_BD_Shape_mpq_class_from_BD_Shape_long_double_with_complexity (ppl_BD_Shape_mpq_class_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_BD_Shape_mpq_class_from_Octagonal_Shape_long_double_with_complexity (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_BD_Shape_mpq_class_from_Constraint_System (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Constraint_System_t cs)

- int ppl_new_BD_Shape_mpq_class_from_Congruence_System (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_new_BD_Shape_mpq_class_from_Generator_System (ppl_BD_Shape_mpq_class_t *pph, ppl_const_Generator_System_t cs)
- int ppl_BD_Shape_mpq_class_space_dimension (ppl_const_BD_Shape_mpq_class_t ph, ppl_dimension_type *m)
- int ppl_BD_Shape_mpq_class_affine_dimension (ppl_const_BD_Shape_mpq_class_t ph, ppl_dimension_type *m)
- int ppl_BD_Shape_mpq_class_relation_with_Constraint (ppl_const_BD_Shape_mpq_class_t ph, ppl_const_Constraint_t c)
- int ppl_BD_Shape_mpq_class_relation_with_Generator (ppl_const_BD_Shape_mpq_class_t ph, ppl_const_Generator_t c)
- int ppl_BD_Shape_mpq_class_relation_with_Congruence (ppl_const_BD_Shape_mpq_class_t ph, ppl_const_Congruence_t c)
- int ppl_BD_Shape_mpq_class_get_constraints (ppl_const_BD_Shape_mpq_class_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_BD_Shape_mpq_class_get_congruences (ppl_const_BD_Shape_mpq_class_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_BD_Shape_mpq_class_get_minimized_constraints (ppl_const_BD_Shape_mpq_class_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_BD_Shape_mpq_class_get_minimized_congruences (ppl_const_BD_Shape_mpq_class_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_BD_Shape_mpq_class_is_empty (ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_BD_Shape_mpq_class_is_universe (ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_BD_Shape_mpq_class_is_bounded (ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_BD_Shape_mpq_class_contains_integer_point (ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_BD_Shape_mpq_class_is_topologically_closed (ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_BD_Shape_mpq_class_is_discrete (ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_BD_Shape_mpq_class_topological_closure_assign (ppl_BD_Shape_mpq_class_t ph)
- int ppl_BD_Shape_mpq_class_bounds_from_above (ppl_const_BD_Shape_mpq_class_t ph, ppl_const_Linear_Expression_t le)
- int ppl_BD_Shape_mpq_class_bounds_from_below (ppl_const_BD_Shape_mpq_class_t ph, ppl_const_Linear_Expression_t le)
- int ppl_BD_Shape_mpq_class_maximize (ppl_const_BD_Shape_mpq_class_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_BD_Shape_mpq_class_minimize (ppl_const_BD_Shape_mpq_class_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_BD_Shape_mpq_class_maximize_with_point (ppl_const_BD_Shape_mpq_class_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_BD_Shape_mpq_class_minimize_with_point (ppl_const_BD_Shape_mpq_class_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_BD_Shape_mpq_class_frequency (ppl_const_BD_Shape_mpq_class_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_fn, ppl_Coefficient_t ext_fd, ppl_Coefficient_t ext_vn, ppl_Coefficient_t ext_vd)
- int ppl_BD_Shape_mpq_class_contains_BD_Shape_mpq_class (ppl_const_BD_Shape_mpq_class_t x, ppl_const_BD_Shape_mpq_class_t y)
- int ppl_BD_Shape_mpq_class_strictly_contains_BD_Shape_mpq_class (ppl_const_BD_Shape_mpq_class_t x, ppl_const_BD_Shape_mpq_class_t y)
- int ppl_BD_Shape_mpq_class_is_disjoint_from_BD_Shape_mpq_class (ppl_const_BD_Shape_mpq_class_t x, ppl_const_BD_Shape_mpq_class_t y)

- int ppl_BD_Shape_mpq_class_equals_BD_Shape_mpq_class (ppl_const_BD_Shape_mpq_class_t x, ppl_const_BD_Shape_mpq_class_t y)
- int ppl_BD_Shape_mpq_class_OK (ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_BD_Shape_mpq_class_add_constraint (ppl_BD_Shape_mpq_class_t ph, ppl_const_Constraint_t c)
- int ppl_BD_Shape_mpq_class_add_congruence (ppl_BD_Shape_mpq_class_t ph, ppl_const_Congruence_t c)
- int ppl_BD_Shape_mpq_class_add_constraints (ppl_BD_Shape_mpq_class_t ph, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_mpq_class_add_congruences (ppl_BD_Shape_mpq_class_t ph, ppl_const_Congruence_System_t cs)
- int ppl_BD_Shape_mpq_class_refine_with_constraint (ppl_BD_Shape_mpq_class_t ph, ppl_const_Constraint_t c)
- int ppl_BD_Shape_mpq_class_refine_with_congruence (ppl_BD_Shape_mpq_class_t ph, ppl_const_Congruence_t c)
- int ppl_BD_Shape_mpq_class_refine_with_constraints (ppl_BD_Shape_mpq_class_t ph, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_mpq_class_refine_with_congruences (ppl_BD_Shape_mpq_class_t ph, ppl_const_Congruence_System_t cs)
- int ppl_BD_Shape_mpq_class_intersection_assign (ppl_BD_Shape_mpq_class_t x, ppl_const_BD_Shape_mpq_class_t y)
- int ppl_BD_Shape_mpq_class_upper_bound_assign (ppl_BD_Shape_mpq_class_t x, ppl_const_BD_Shape_mpq_class_t y)
- int ppl_BD_Shape_mpq_class_difference_assign (ppl_BD_Shape_mpq_class_t x, ppl_const_BD_Shape_mpq_class_t y)
- int ppl_BD_Shape_mpq_class_concatenate_assign (ppl_BD_Shape_mpq_class_t x, ppl_const_BD_Shape_mpq_class_t y)
- int ppl_BD_Shape_mpq_class_time_elapse_assign (ppl_BD_Shape_mpq_class_t x, ppl_const_BD_Shape_mpq_class_t y)
- int ppl_BD_Shape_mpq_class_upper_bound_assign_if_exact (ppl_BD_Shape_mpq_class_t x, ppl_const_BD_Shape_mpq_class_t y)
- int ppl_BD_Shape_mpq_class_simplify_using_context_assign (ppl_BD_Shape_mpq_class_t x, ppl_const_BD_Shape_mpq_class_t y)
- int ppl_BD_Shape_mpq_class_constrains (ppl_BD_Shape_mpq_class_t ph, ppl_dimension_type var)
- int ppl_BD_Shape_mpq_class_unconstrain_space_dimension (ppl_BD_Shape_mpq_class_t ph, ppl_dimension_type var)
- int ppl_BD_Shape_mpq_class_unconstrain_space_dimensions (ppl_BD_Shape_mpq_class_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_BD_Shape_mpq_class_affine_image (ppl_BD_Shape_mpq_class_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_mpq_class_affine_preimage (ppl_BD_Shape_mpq_class_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_mpq_class_bounded_affine_image (ppl_BD_Shape_mpq_class_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_mpq_class_bounded_affine_preimage (ppl_BD_Shape_mpq_class_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_mpq_class_generalized_affine_image (ppl_BD_Shape_mpq_class_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)

- int ppl_BD_Shape_mpq_class_generalized_affine_preimage (ppl_BD_Shape_mpq_class_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_mpq_class_generalized_affine_image_lhs_rhs (ppl_BD_Shape_mpq_class_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_BD_Shape_mpq_class_generalized_affine_preimage_lhs_rhs (ppl_BD_Shape_mpq_class_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_BD_Shape_mpq_class_add_space_dimensions_and_embed (ppl_BD_Shape_mpq_class_t ph, ppl_dimension_type d)
- int ppl_BD_Shape_mpq_class_add_space_dimensions_and_project (ppl_BD_Shape_mpq_class_t ph, ppl_dimension_type d)
- int ppl_BD_Shape_mpq_class_remove_space_dimensions (ppl_BD_Shape_mpq_class_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_BD_Shape_mpq_class_remove_higher_space_dimensions (ppl_BD_Shape_mpq_class_t ph, ppl_dimension_type d)
- int ppl_BD_Shape_mpq_class_expand_space_dimension (ppl_BD_Shape_mpq_class_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_BD_Shape_mpq_class_fold_space_dimensions (ppl_BD_Shape_mpq_class_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_BD_Shape_mpq_class_map_space_dimensions (ppl_BD_Shape_mpq_class_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_BD_Shape_mpq_class_drop_some_non_integer_points (ppl_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_BD_Shape_mpq_class_drop_some_non_integer_points_2 (ppl_BD_Shape_mpq_class_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_BD_Shape_mpq_class_external_memory_in_bytes (ppl_const_BD_Shape_mpq_class_t ps, size_t *sz)
- int ppl_BD_Shape_mpq_class_total_memory_in_bytes (ppl_const_BD_Shape_mpq_class_t ps, size_t *sz)
- int ppl_BD_Shape_mpq_class_BHMZ05_widening_assign_with_tokens (ppl_BD_Shape_mpq_class_t x, ppl_const_BD_Shape_mpq_class_t y, unsigned *tp)
- int ppl_BD_Shape_mpq_class_H79_widening_assign_with_tokens (ppl_BD_Shape_mpq_class_t x, ppl_const_BD_Shape_mpq_class_t y, unsigned *tp)
- int ppl_BD_Shape_mpq_class_BHMZ05_widening_assign (ppl_BD_Shape_mpq_class_t x, ppl_const_BD_Shape_mpq_class_t y)
- int ppl_BD_Shape_mpq_class_H79_widening_assign (ppl_BD_Shape_mpq_class_t x, ppl_const_BD_Shape_mpq_class_t y)
- int ppl_BD_Shape_mpq_class_widening_assign_with_tokens (ppl_BD_Shape_mpq_class_t x, ppl_const_BD_Shape_mpq_class_t y, unsigned *tp)
- int ppl_BD_Shape_mpq_class_widening_assign (ppl_BD_Shape_mpq_class_t x, ppl_const_BD_Shape_mpq_class_t y)
- int ppl_BD_Shape_mpq_class_limited_BHMZ05_extrapolation_assign_with_tokens (ppl_BD_Shape_mpq_class_t x, ppl_const_BD_Shape_mpq_class_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_BD_Shape_mpq_class_limited_H79_extrapolation_assign_with_tokens (ppl_BD_Shape_mpq_class_t x, ppl_const_BD_Shape_mpq_class_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_BD_Shape_mpq_class_limited_CC76_extrapolation_assign_with_tokens (ppl_BD_Shape_mpq_class_t x, ppl_const_BD_Shape_mpq_class_t y, ppl_const_Constraint_System_t cs, unsigned *tp)

- int ppl_BD_Shape_mpq_class_limited_BHMZ05_extrapolation_assign (ppl_BD_Shape_mpq_class_t x, ppl_const_BD_Shape_mpq_class_t y, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_mpq_class_limited_H79_extrapolation_assign (ppl_BD_Shape_mpq_class_t x, ppl_const_BD_Shape_mpq_class_t y, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_mpq_class_limited_CC76_extrapolation_assign (ppl_BD_Shape_mpq_class_t x, ppl_const_BD_Shape_mpq_class_t y, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_mpq_class_CC76_extrapolation_assign_with_tokens (ppl_BD_Shape_mpq_class_t x, ppl_const_BD_Shape_mpq_class_t y, unsigned *tp)
- int ppl_BD_Shape_mpq_class_CC76_extrapolation_assign (ppl_BD_Shape_mpq_class_t x, ppl_const_BD_Shape_mpq_class_t y)
- int ppl_BD_Shape_mpq_class_CC76_narrowing_assign (ppl_BD_Shape_mpq_class_t x, ppl_const_BD_Shape_mpq_class_t y)
- int ppl_BD_Shape_mpq_class_linear_partition (ppl_const_BD_Shape_mpq_class_t x, ppl_const_BD_Shape_mpq_class_t y, ppl_BD_Shape_mpq_class_t *p_inters, ppl_Pointset_Powerset_NNC_Polyhedron_t *p_rest)
- int ppl_BD_Shape_mpq_class_wrap_assign (ppl_BD_Shape_mpq_class_t ph, ppl_dimension_type ds[ ], size_t n, enum ppl_enum_Bounded_Integer_Type_Width w, enum ppl_enum_Bounded_Integer_Type_Representation r, enum ppl_enum_Bounded_Integer_Type_Overflow o, const ppl_const_Constraint_System_t *pcs, unsigned complexity_threshold, int wrap_individually)
- int ppl_new_BD_Shape_mpq_class_recycle_Constraint_System (ppl_BD_Shape_mpq_class_t *pph, ppl_Constraint_System_t cs)
- int ppl_new_BD_Shape_mpq_class_recycle_Congruence_System (ppl_BD_Shape_mpq_class_t *pph, ppl_Congruence_System_t cs)
- int ppl_new_BD_Shape_mpq_class_recycle_Generator_System (ppl_BD_Shape_mpq_class_t *pph, ppl_Generator_System_t cs)
- int ppl_assign_BD_Shape_mpq_class_from_BD_Shape_mpq_class (ppl_BD_Shape_mpq_class_t dst, ppl_const_BD_Shape_mpq_class_t src)
- int ppl_BD_Shape_mpq_class_add_recycled_constraints (ppl_BD_Shape_mpq_class_t ph, ppl_Constraint_System_t cs)
- int ppl_BD_Shape_mpq_class_add_recycled_congruences (ppl_BD_Shape_mpq_class_t ph, ppl_Congruence_System_t cs)
- int ppl_termination_test_MS_BD_Shape_mpq_class (ppl_const_BD_Shape_mpq_class_t pset)
- int ppl_termination_test_PR_BD_Shape_mpq_class (ppl_const_BD_Shape_mpq_class_t pset)
- int ppl_one_affine_ranking_function_MS_BD_Shape_mpq_class (ppl_const_BD_Shape_mpq_class_t pset, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_BD_Shape_mpq_class (ppl_const_BD_Shape_mpq_class_t pset, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_BD_Shape_mpq_class (ppl_const_BD_Shape_mpq_class_t pset, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_BD_Shape_mpq_class (ppl_const_BD_Shape_mpq_class_t pset, ppl_Polyhedron_t ph)
- int ppl_termination_test_MS_BD_Shape_mpq_class_2 (ppl_const_BD_Shape_mpq_class_t pset_before, ppl_const_BD_Shape_mpq_class_t pset_after)
- int ppl_termination_test_PR_BD_Shape_mpq_class_2 (ppl_const_BD_Shape_mpq_class_t pset_before, ppl_const_BD_Shape_mpq_class_t pset_after)
- int ppl_one_affine_ranking_function_MS_BD_Shape_mpq_class_2 (ppl_const_BD_Shape_mpq_class_t pset_before, ppl_const_BD_Shape_mpq_class_t pset_after, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_BD_Shape_mpq_class_2 (ppl_const_BD_Shape_mpq_class_t pset_before, ppl_const_BD_Shape_mpq_class_t pset_after, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_BD_Shape_mpq_class_2 (ppl_const_BD_Shape_mpq_class_t pset_before, ppl_const_BD_Shape_mpq_class_t pset_after, ppl_Polyhedron_t ph)

- int ppl_all_affine_ranking_functions_PR_BD_Shape_mpq_class_2 (ppl_const_BD_Shape_mpq_class_t pset_before, ppl_const_BD_Shape_mpq_class_t pset_after, ppl_Polyhedron_t ph)
- int ppl_io_print_BD_Shape_mpq_class (ppl_const_BD_Shape_mpq_class_t x)
- int ppl_io_fprint_BD_Shape_mpq_class (FILE *stream, ppl_const_BD_Shape_mpq_class_t x)
- int ppl_io_asprint_BD_Shape_mpq_class (char **strp, ppl_const_BD_Shape_mpq_class_t x)
- int ppl_BD_Shape_mpq_class_ascii_dump (ppl_const_BD_Shape_mpq_class_t x, FILE *stream)
- int ppl_BD_Shape_mpq_class_ascii_load (ppl_BD_Shape_mpq_class_t x, FILE *stream)

7.10.1 Detailed Description

Types and functions for ppl_BD_Shape_mpq_class_tag.

7.10.2 Friends And Related Function Documentation

7.10.2.1 int ppl_delete_BD_Shape_mpq_class (ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.10.2.2 int ppl_new_BD_Shape_mpq_class_from_space_dimension (ppl_BD_Shape_mpq_class_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.10.2.3 int ppl_new_BD_Shape_mpq_class_from_Int8_Box (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.10.2.4 int ppl_new_BD_Shape_mpq_class_from_Int16_Box (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.10.2.5 int ppl_new_BD_Shape_mpq_class_from_Int32_Box (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.10.2.6 int ppl_new_BD_Shape_mpq_class_from_Int64_Box (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.10.2.7 int ppl_new_BD_Shape_mpq_class_from_Uint8_Box (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.10.2.8 int ppl_new_BD_Shape_mpq_class_from_Uint16_Box (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.10.2.9 int ppl_new_BD_Shape_mpq_class_from_Uint32_Box (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.10.2.10 int ppl_new_BD_Shape_mpq_class_from_Uint64_Box (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.10.2.11 int ppl_new_BD_Shape_mpq_class_from_Z_Box (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.10.2.12 int ppl_new_BD_Shape_mpq_class_from_Rational_Box (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.10.2.13 int ppl_new_BD_Shape_mpq_class_from_BD_Shape_int8_t (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.10.2.14 int ppl_new_BD_Shape_mpq_class_from_BD_Shape_int16_t (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.10.2.15 int ppl_new_BD_Shape_mpq_class_from_BD_Shape_int32_t (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.10.2.16 int ppl_new_BD_Shape_mpq_class_from_BD_Shape_int64_t (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.10.2.17 int ppl_new_BD_Shape_mpq_class_from_BD_Shape_mpz_class (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.10.2.18 int ppl_new_BD_Shape_mpq_class_from_BD_Shape_mpq_class (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.10.2.19 int ppl_new_BD_Shape_mpq_class_from_Octagonal_Shape_int8_t (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.10.2.20 int ppl_new_BD_Shape_mpq_class_from_Octagonal_Shape_int16_t (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.10.2.21 int ppl_new_BD_Shape_mpq_class_from_Octagonal_Shape_int32_t (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.10.2.22 int ppl_new_BD_Shape_mpq_class_from_Octagonal_Shape_int64_t (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.10.2.23 int ppl_new_BD_Shape_mpq_class_from_Octagonal_Shape_mpz_class (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.10.2.24 int ppl_new_BD_Shape_mpq_class_from_Octagonal_Shape_mpq_class (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.10.2.25 int ppl_new_BD_Shape_mpq_class_from_C_Polyhedron (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.10.2.26 int ppl_new_BD_Shape_mpq_class_from_NNC_Polyhedron (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.10.2.27 int ppl_new_BD_Shape_mpq_class_from_Grid (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.10.2.28 int ppl_new_BD_Shape_mpq_class_from_Float_Box (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.10.2.29 int ppl_new_BD_Shape_mpq_class_from_BD_Shape_float (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.10.2.30 int ppl_new_BD_Shape_mpq_class_from_Octagonal_Shape_float (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.10.2.31 int ppl_new_BD_Shape_mpq_class_from_Double_Box (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.10.2.32 int ppl_new_BD_Shape_mpq_class_from_BD_Shape_double (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.10.2.33 int ppl_new_BD_Shape_mpq_class_from_Octagonal_Shape_double (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.10.2.34 int ppl_new_BD_Shape_mpq_class_from_Long_Double_Box (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.10.2.35 int ppl_new_BD_Shape_mpq_class_from_BD_Shape_long_double (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.10.2.36 int ppl_new_BD_Shape_mpq_class_from_Octagonal_Shape_long_double (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.10.2.37 int ppl_new_BD_Shape_mpq_class_from_Int8_Box_with_complexity (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.10.2.38 int ppl_new_BD_Shape_mpq_class_from_Int16_Box_with_complexity (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.10.2.39 int ppl_new_BD_Shape_mpq_class_from_Int32_Box_with_complexity (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.10.2.40 int ppl_new_BD_Shape_mpq_class_from_Int64_Box_with_complexity (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.10.2.41 int ppl_new_BD_Shape_mpq_class_from_Uint8_Box_with_complexity (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.10.2.42 int ppl_new_BD_Shape_mpq_class_from_Uint16_Box_with_complexity (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.10.2.43 int ppl_new_BD_Shape_mpq_class_from_Uint32_Box_with_complexity (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.10.2.44 int ppl_new_BD_Shape_mpq_class_from_Uint64_Box_with_complexity (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.10.2.45 int ppl_new_BD_Shape_mpq_class_from_Z_Box_with_complexity (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.10.2.46 int ppl_new_BD_Shape_mpq_class_from_Rational_Box_with_complexity (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.10.2.47 int ppl_new_BD_Shape_mpq_class_from_BD_Shape_int8_t_with_complexity (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.10.2.48 int ppl_new_BD_Shape_mpq_class_from_BD_Shape_int16_t_with_complexity (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.10.2.49 int ppl_new_BD_Shape_mpq_class_from_BD_Shape_int32_t_with_complexity (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.10.2.50 int ppl_new_BD_Shape_mpq_class_from_BD_Shape_int64_t_with_complexity (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.10.2.51 int ppl_new_BD_Shape_mpq_class_from_BD_Shape_mpz_class_with_complexity (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.10.2.52 int ppl_new_BD_Shape_mpq_class_from_BD_Shape_mpq_class_with_complexity (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.10.2.53 int ppl_new_BD_Shape_mpq_class_from_Octagonal_Shape_int8_t_with_complexity (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.10.2.54 int ppl_new_BD_Shape_mpq_class_from_Octagonal_Shape_int16_t_with_complexity (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.10.2.55 int ppl_new_BD_Shape_mpq_class_from_Octagonal_Shape_int32_t_with_complexity (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.10.2.56 int ppl_new_BD_Shape_mpq_class_from_Octagonal_Shape_int64_t_with_complexity (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.10.2.57 int ppl_new_BD_Shape_mpq_class_from_Octagonal_Shape_-mpz_class_with_complexity (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.10.2.58 int ppl_new_BD_Shape_mpq_class_from_Octagonal_Shape_-mpq_class_with_complexity (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.10.2.59 int ppl_new_BD_Shape_mpq_class_from_C_Polyhedron_with_complexity (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.10.2.60 int ppl_new_BD_Shape_mpq_class_from_NNC_Polyhedron_with_complexity (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.10.2.61 int ppl_new_BD_Shape_mpq_class_from_Grid_with_complexity (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.10.2.62 int ppl_new_BD_Shape_mpq_class_from_Float_Box_with_complexity (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.10.2.63 int ppl_new_BD_Shape_mpq_class_from_BD_Shape_float_with_complexity (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.10.2.64 int ppl_new_BD_Shape_mpq_class_from_Octagonal_Shape_float_with_complexity (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.10.2.65 int ppl_new_BD_Shape_mpq_class_from_Double_Box_with_complexity (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.10.2.66 int ppl_new_BD_Shape_mpq_class_from_BD_Shape_double_with_complexity (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.10.2.67 int ppl_new_BD_Shape_mpq_class_from_Octagonal_Shape_double_with_complexity (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.10.2.68 int ppl_new_BD_Shape_mpq_class_from_Long_Double_Box_with_complexity (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.10.2.69 int ppl_new_BD_Shape_mpq_class_from_BD_Shape_long_double_with_complexity (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.10.2.70 int ppl_new_BD_Shape_mpq_class_from_Octagonal_Shape_-long_double_with_complexity (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.10.2.71 int ppl_new_BD_Shape_mpq_class_from_Constraint_System (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.10.2.72 int ppl_new_BD_Shape_mpq_class_from_Congruence_System (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.10.2.73 int ppl_new_BD_Shape_mpq_class_from_Generator_System (ppl_BD_Shape_mpq_class_t * *pph*, ppl_const_Generator_System_t *cs*) [related]

7.10.2.74 int ppl_BD_Shape_mpq_class_space_dimension (ppl_const_BD_Shape_mpq_class_t *ph*, ppl_dimension_type * *m*) [related]

7.10.2.75 int ppl_BD_Shape_mpq_class_affine_dimension (ppl_const_BD_Shape_mpq_class_t *ph*, ppl_dimension_type * *m*) [related]

7.10.2.76 int ppl_BD_Shape_mpq_class_relation_with_Constraint (ppl_const_BD_Shape_mpq_class_t *ph*, ppl_const_Constraint_t *c*) [related]

7.10.2.77 int ppl_BD_Shape_mpq_class_relation_with_Generator (ppl_const_BD_Shape_mpq_class_t *ph*, ppl_const_Generator_t *c*) [related]

7.10.2.78 int ppl_BD_Shape_mpq_class_relation_with_Congruence (ppl_const_BD_Shape_mpq_class_t *ph*, ppl_const_Congruence_t *c*) [related]

7.10.2.79 int ppl_BD_Shape_mpq_class_get_constraints (ppl_const_BD_Shape_mpq_class_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.10.2.80 int ppl_BD_Shape_mpq_class_get_congruences (ppl_const_BD_Shape_mpq_class_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.10.2.81 int ppl_BD_Shape_mpq_class_get_minimized_constraints (ppl_const_BD_Shape_mpq_class_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.10.2.82 int ppl_BD_Shape_mpq_class_get_minimized_congruences (ppl_const_BD_Shape_mpq_class_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.10.2.83 int ppl_BD_Shape_mpq_class_is_empty (ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.10.2.84 int ppl_BD_Shape_mpq_class_is_universe (ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.10.2.85 int ppl_BD_Shape_mpq_class_is_bounded (ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.10.2.86 int ppl_BD_Shape_mpq_class_contains_integer_point (ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.10.2.87 int ppl_BD_Shape_mpq_class_is_topologically_closed (ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.10.2.88 int ppl_BD_Shape_mpq_class_is_discrete (ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.10.2.89 int ppl_BD_Shape_mpq_class_topological_closure_assign (ppl_BD_Shape_mpq_class_t *ph*) [related]

7.10.2.90 int ppl_BD_Shape_mpq_class_bounds_from_above (ppl_const_BD_Shape_mpq_class_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.10.2.91 int ppl_BD_Shape_mpq_class_bounds_from_below (ppl_const_BD_Shape_mpq_class_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.10.2.92 int ppl_BD_Shape_mpq_class_maximize (ppl_const_BD_Shape_mpq_class_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.10.2.93 int ppl_BD_Shape_mpq_class_minimize (ppl_const_BD_Shape_mpq_class_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.10.2.94 int ppl_BD_Shape_mpq_class_maximize_with_point (ppl_const_BD_Shape_mpq_class_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.10.2.95 int ppl_BD_Shape_mpq_class_minimize_with_point (ppl_const_BD_Shape_mpq_class_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.10.2.96 int ppl_BD_Shape_mpq_class_frequency (ppl_const_BD_Shape_mpq_class_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_fn*, ppl_Coefficient_t *ext_fd*, ppl_Coefficient_t *ext_vn*, ppl_Coefficient_t *ext_vd*) [related]

7.10.2.97 int ppl_BD_Shape_mpq_class_contains_BD_Shape_mpq_class (ppl_const_BD_Shape_mpq_class_t *x*, ppl_const_BD_Shape_mpq_class_t *y*) [related]

7.10.2.98 int ppl_BD_Shape_mpq_class_strictly_contains_BD_Shape_mpq_class (ppl_const_BD_Shape_mpq_class_t *x*, ppl_const_BD_Shape_mpq_class_t *y*) [related]

7.10.2.99 int ppl_BD_Shape_mpq_class_is_disjoint_from_BD_Shape_mpq_class (ppl_const_BD_Shape_mpq_class_t *x*, ppl_const_BD_Shape_mpq_class_t *y*) [related]

7.10.2.100 int ppl_BD_Shape_mpq_class_equals_BD_Shape_mpq_class (ppl_const_BD_Shape_mpq_class_t *x*, ppl_const_BD_Shape_mpq_class_t *y*) [related]

7.10.2.101 int ppl_BD_Shape_mpq_class_OK (ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.10.2.102 int ppl_BD_Shape_mpq_class_add_constraint (ppl_BD_Shape_mpq_class_t *ph*, ppl_const_Constraint_t *c*) [related]

7.10.2.103 int ppl_BD_Shape_mpq_class_add_congruence (ppl_BD_Shape_mpq_class_t *ph*, ppl_const_Congruence_t *c*) [related]

7.10.2.104 int ppl_BD_Shape_mpq_class_add_constraints (ppl_BD_Shape_mpq_class_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.10.2.105 int ppl_BD_Shape_mpq_class_add_congruences (ppl_BD_Shape_mpq_class_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.10.2.106 int ppl_BD_Shape_mpq_class_refine_with_constraint (ppl_BD_Shape_mpq_class_t *ph*, ppl_const_Constraint_t *c*) [related]

7.10.2.107 int ppl_BD_Shape_mpq_class_refine_with_congruence (ppl_BD_Shape_mpq_class_t *ph*, ppl_const_Congruence_t *c*) [related]

7.10.2.108 int ppl_BD_Shape_mpq_class_refine_with_constraints (ppl_BD_Shape_mpq_class_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.10.2.109 int ppl_BD_Shape_mpq_class_refine_with_congruences (ppl_BD_Shape_mpq_class_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.10.2.110 int ppl_BD_Shape_mpq_class_intersection_assign (ppl_BD_Shape_mpq_class_t *x*, ppl_const_BD_Shape_mpq_class_t *y*) [related]

7.10.2.111 int ppl_BD_Shape_mpq_class_upper_bound_assign (ppl_BD_Shape_mpq_class_t *x*, ppl_const_BD_Shape_mpq_class_t *y*) [related]

7.10.2.112 int ppl_BD_Shape_mpq_class_difference_assign (ppl_BD_Shape_mpq_class_t *x*, ppl_const_BD_Shape_mpq_class_t *y*) [related]

7.10.2.113 int ppl_BD_Shape_mpq_class_concatenate_assign (ppl_BD_Shape_mpq_class_t *x*, ppl_const_BD_Shape_mpq_class_t *y*) [related]

7.10.2.114 int ppl_BD_Shape_mpq_class_time_elapse_assign (ppl_BD_Shape_mpq_class_t *x*, ppl_const_BD_Shape_mpq_class_t *y*) [related]

7.10.2.115 int ppl_BD_Shape_mpq_class_upper_bound_assign_if_exact (ppl_BD_Shape_mpq_class_t *x*, ppl_const_BD_Shape_mpq_class_t *y*) [related]

7.10.2.116 int ppl_BD_Shape_mpq_class_simplify_using_context_assign (ppl_BD_Shape_mpq_class_t *x*, ppl_const_BD_Shape_mpq_class_t *y*) [related]

7.10.2.117 int ppl_BD_Shape_mpq_class_constrains (ppl_BD_Shape_mpq_class_t *ph*, ppl_dimension_type *var*) [related]

7.10.2.118 int ppl_BD_Shape_mpq_class_unconstrain_space_dimension (ppl_BD_Shape_mpq_class_t *ph*, ppl_dimension_type *var*) [related]

7.10.2.119 int ppl_BD_Shape_mpq_class_unconstrain_space_dimensions (ppl_BD_Shape_mpq_class_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.10.2.120 int ppl_BD_Shape_mpq_class_affine_image (ppl_BD_Shape_mpq_class_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.10.2.121 int ppl_BD_Shape_mpq_class_affine_preimage (ppl_BD_Shape_mpq_class_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.10.2.122 int ppl_BD_Shape_mpq_class_bounded_affine_image (ppl_BD_Shape_mpq_class_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.10.2.123 int ppl_BD_Shape_mpq_class_bounded_affine_preimage (ppl_BD_Shape_mpq_class_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.10.2.124 int ppl_BD_Shape_mpq_class_generalized_affine_image (ppl_BD_Shape_mpq_class_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.10.2.125 int ppl_BD_Shape_mpq_class_generalized_affine_preimage (ppl_BD_Shape_mpq_class_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.10.2.126 int ppl_BD_Shape_mpq_class_generalized_affine_image_lhs_rhs (ppl_BD_Shape_mpq_class_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.10.2.127 int ppl_BD_Shape_mpq_class_generalized_affine_preimage_lhs_rhs (ppl_BD_Shape_mpq_class_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.10.2.128 int ppl_BD_Shape_mpq_class_add_space_dimensions_and_embed (ppl_BD_Shape_mpq_class_t *ph*, ppl_dimension_type *d*) [related]

7.10.2.129 int ppl_BD_Shape_mpq_class_add_space_dimensions_and_project (ppl_BD_Shape_mpq_class_t *ph*, ppl_dimension_type *d*) [related]

7.10.2.130 int ppl_BD_Shape_mpq_class_remove_space_dimensions (ppl_BD_Shape_mpq_class_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.10.2.131 int ppl_BD_Shape_mpq_class_remove_higher_space_dimensions (ppl_BD_Shape_mpq_class_t *ph*, ppl_dimension_type *d*) [related]

7.10.2.132 int ppl_BD_Shape_mpq_class_expand_space_dimension (ppl_BD_Shape_mpq_class_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.10.2.133 int ppl_BD_Shape_mpq_class_fold_space_dimensions (ppl_BD_Shape_mpq_class_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.10.2.134 int ppl_BD_Shape_mpq_class_map_space_dimensions (ppl_BD_Shape_mpq_class_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.10.2.135 int ppl_BD_Shape_mpq_class_drop_some_non_integer_points (ppl_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.10.2.136 int ppl_BD_Shape_mpq_class_drop_some_non_integer_points_2 (ppl_BD_Shape_mpq_class_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.10.2.137 int ppl_BD_Shape_mpq_class_external_memory_in_bytes (ppl_const_BD_Shape_mpq_class_t *ps*, size_t * *sz*) [related]

7.10.2.138 int ppl_BD_Shape_mpq_class_total_memory_in_bytes (ppl_const_BD_Shape_mpq_class_t *ps*, size_t * *sz*) [related]

7.10.2.139 int ppl_BD_Shape_mpq_class_BHMZ05_widening_assign_with_tokens (ppl_BD_Shape_mpq_class_t *x*, ppl_const_BD_Shape_mpq_class_t *y*, unsigned * *tp*) [related]

7.10.2.140 int ppl_BD_Shape_mpq_class_H79_widening_assign_with_tokens (ppl_BD_Shape_mpq_class_t *x*, ppl_const_BD_Shape_mpq_class_t *y*, unsigned * *tp*) [related]

7.10.2.141 int ppl_BD_Shape_mpq_class_BHMZ05_widening_assign (ppl_BD_Shape_mpq_class_t *x*, ppl_const_BD_Shape_mpq_class_t *y*) [related]

7.10.2.142 int ppl_BD_Shape_mpq_class_H79_widening_assign (ppl_BD_Shape_mpq_class_t *x*, ppl_const_BD_Shape_mpq_class_t *y*) [related]

7.10.2.143 int ppl_BD_Shape_mpq_class_widening_assign_with_tokens (ppl_BD_Shape_mpq_class_t *x*, ppl_const_BD_Shape_mpq_class_t *y*, unsigned * *tp*) [related]

7.10.2.144 int ppl_BD_Shape_mpq_class_widening_assign (ppl_BD_Shape_mpq_class_t *x*, ppl_const_BD_Shape_mpq_class_t *y*) [related]

7.10.2.145 int ppl_BD_Shape_mpq_class_limited_BHMZ05_extrapolation_assign_with_tokens (ppl_BD_Shape_mpq_class_t *x*, ppl_const_BD_Shape_mpq_class_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.10.2.146 int ppl_BD_Shape_mpq_class_limited_H79_extrapolation_assign_with_tokens (ppl_BD_Shape_mpq_class_t *x*, ppl_const_BD_Shape_mpq_class_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.10.2.147 int ppl_BD_Shape_mpq_class_limited_CC76_extrapolation_assign_with_tokens (ppl_BD_Shape_mpq_class_t *x*, ppl_const_BD_Shape_mpq_class_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.10.2.148 int ppl_BD_Shape_mpq_class_limited_BHMZ05_extrapolation_assign (ppl_BD_Shape_mpq_class_t *x*, ppl_const_BD_Shape_mpq_class_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.10.2.149 int ppl_BD_Shape_mpq_class_limited_H79_extrapolation_assign (ppl_BD_Shape_mpq_class_t *x*, ppl_const_BD_Shape_mpq_class_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.10.2.150 int ppl_BD_Shape_mpq_class_limited_CC76_extrapolation_assign (ppl_BD_Shape_mpq_class_t *x*, ppl_const_BD_Shape_mpq_class_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.10.2.151 int ppl_BD_Shape_mpq_class_CC76_extrapolation_assign_with_tokens (ppl_BD_Shape_mpq_class_t *x*, ppl_const_BD_Shape_mpq_class_t *y*, unsigned * *tp*) [related]

7.10.2.152 int ppl_BD_Shape_mpq_class_CC76_extrapolation_assign (ppl_BD_Shape_mpq_class_t *x*, ppl_const_BD_Shape_mpq_class_t *y*) [related]

7.10.2.153 int ppl_BD_Shape_mpq_class_CC76_narrowing_assign (ppl_BD_Shape_mpq_class_t *x*, ppl_const_BD_Shape_mpq_class_t *y*) [related]

7.10.2.154 int ppl_BD_Shape_mpq_class_linear_partition (ppl_const_BD_Shape_mpq_class_t *x*, ppl_const_BD_Shape_mpq_class_t *y*, ppl_BD_Shape_mpq_class_t * *p_inters*, ppl_Pointset_Powerset_NNC_Polyhedron_t * *p_rest*) [related]

7.10.2.155 int ppl_BD_Shape_mpq_class_wrap_assign (ppl_BD_Shape_mpq_class_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, enum ppl_enum_Bounded_Integer_Type_Width *w*, enum ppl_enum_Bounded_Integer_Type_Representation *r*, enum ppl_enum_Bounded_Integer_Type_Overflow *o*, const ppl_const_Constraint_System_t * *pcs*, unsigned *complexity_threshold*, int *wrap_individually*) [related]

7.10.2.156 int ppl_new_BD_Shape_mpq_class_recycle_Constraint_System (ppl_BD_Shape_mpq_class_t * *pph*, ppl_Constraint_System_t *cs*) [related]

7.10.2.157 int ppl_new_BD_Shape_mpq_class_recycle_Congruence_System (ppl_BD_Shape_mpq_class_t * *pph*, ppl_Congruence_System_t *cs*) [related]

7.10.2.158 int ppl_new_BD_Shape_mpq_class_recycle_Generator_System (ppl_BD_Shape_mpq_class_t * *pph*, ppl_Generator_System_t *cs*) [related]

7.10.2.159 int ppl_assign_BD_Shape_mpq_class_from_BD_Shape_mpq_class (ppl_BD_Shape_mpq_class_t *dst*, ppl_const_BD_Shape_mpq_class_t *src*) [related]

7.10.2.160 int ppl_BD_Shape_mpq_class_add_recycled_constraints (ppl_BD_Shape_mpq_class_t *ph*, ppl_Constraint_System_t *cs*) [related]

7.10.2.161 int ppl_BD_Shape_mpq_class_add_recycled_congruences (ppl_BD_Shape_mpq_class_t *ph*, ppl_Congruence_System_t *cs*) [related]

7.10.2.162 int ppl_termination_test_MS_BD_Shape_mpq_class (ppl_const_BD_Shape_mpq_class_t *pset*) [related]

7.10.2.163 int ppl_termination_test_PR_BD_Shape_mpq_class (ppl_const_BD_Shape_mpq_class_t *pset*) [related]

7.10.2.164 int ppl_one_affine_ranking_function_MS_BD_Shape_mpq_class (ppl_const_BD_Shape_mpq_class_t *pset*, ppl_Generator_t *point*) [related]

7.10.2.165 int ppl_one_affine_ranking_function_PR_BD_Shape_mpq_class (ppl_const_BD_Shape_mpq_class_t *pset*, ppl_Generator_t *point*) [related]

7.10.2.166 int ppl_all_affine_ranking_functions_MS_BD_Shape_mpq_class (ppl_const_BD_Shape_mpq_class_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.10.2.167 int ppl_all_affine_ranking_functions_PR_BD_Shape_mpq_class (ppl_const_BD_Shape_mpq_class_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.10.2.168 int ppl_termination_test_MS_BD_Shape_mpq_class_2 (ppl_const_BD_Shape_mpq_class_t *pset_before*, ppl_const_BD_Shape_mpq_class_t *pset_after*) [related]

7.10.2.169 int ppl_termination_test_PR_BD_Shape_mpq_class_2 (ppl_const_BD_Shape_mpq_class_t *pset_before*, ppl_const_BD_Shape_mpq_class_t *pset_after*) [related]

7.10.2.170 int ppl_one_affine_ranking_function_MS_BD_Shape_mpq_class_2 (ppl_const_BD_Shape_mpq_class_t *pset_before*, ppl_const_BD_Shape_mpq_class_t *pset_after*, ppl_Generator_t *point*) [related]

7.10.2.171 int ppl_one_affine_ranking_function_PR_BD_Shape_mpq_class_2 (ppl_const_BD_Shape_mpq_class_t *pset_before*, ppl_const_BD_Shape_mpq_class_t *pset_after*, ppl_Generator_t *point*) [related]

7.10.2.172 int ppl_all_affine_ranking_functions_MS_BD_Shape_mpq_class_2 (ppl_const_BD_Shape_mpq_class_t *pset_before*, ppl_const_BD_Shape_mpq_class_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.10.2.173 int ppl_all_affine_ranking_functions_PR_BD_Shape_mpq_class_2 (ppl_const_BD_Shape_mpq_class_t *pset_before*, ppl_const_BD_Shape_mpq_class_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.10.2.174 int ppl_io_print_BD_Shape_mpq_class (ppl_const_BD_Shape_mpq_class_t *x*) [related]

7.10.2.175 int ppl_io_fprint_BD_Shape_mpq_class (FILE * *stream*, ppl_const_BD_Shape_mpq_class_t *x*) [related]

7.10.2.176 int ppl_io_asprint_BD_Shape_mpq_class (char ** *strp*, ppl_const_BD_Shape_mpq_class_t *x*) [related]

7.10.2.177 int ppl_BD_Shape_mpq_class_ascii_dump (ppl_const_BD_Shape_mpq_class_t *x*, FILE * *stream*) [related]

7.10.2.178 int ppl_BD_Shape_mpq_class_ascii_load (ppl_BD_Shape_mpq_class_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.11 ppl_BD_Shape_mpz_class_tag Interface Reference

Types and functions for ppl_BD_Shape_mpz_class_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_BD_Shape_mpz_class (ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_BD_Shape_mpz_class_from_space_dimension (ppl_BD_Shape_mpz_class_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_BD_Shape_mpz_class_from_Int8_Box (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Int8_Box_t ph)
- int ppl_new_BD_Shape_mpz_class_from_Int16_Box (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_BD_Shape_mpz_class_from_Int32_Box (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_BD_Shape_mpz_class_from_Int64_Box (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_BD_Shape_mpz_class_from_Uint8_Box (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_BD_Shape_mpz_class_from_Uint16_Box (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Uint16_Box_t ph)
- int ppl_new_BD_Shape_mpz_class_from_Uint32_Box (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_BD_Shape_mpz_class_from_Uint64_Box (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_BD_Shape_mpz_class_from_Z_Box (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Z_Box_t ph)

- int ppl_new_BD_Shape_mpz_class_from_Rational_Box (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_BD_Shape_mpz_class_from_BD_Shape_int8_t (ppl_BD_Shape_mpz_class_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_BD_Shape_mpz_class_from_BD_Shape_int16_t (ppl_BD_Shape_mpz_class_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_BD_Shape_mpz_class_from_BD_Shape_int32_t (ppl_BD_Shape_mpz_class_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_BD_Shape_mpz_class_from_BD_Shape_int64_t (ppl_BD_Shape_mpz_class_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_BD_Shape_mpz_class_from_BD_Shape_mpz_class (ppl_BD_Shape_mpz_class_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_BD_Shape_mpz_class_from_BD_Shape_mpq_class (ppl_BD_Shape_mpz_class_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_BD_Shape_mpz_class_from_Octagonal_Shape_int8_t (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_BD_Shape_mpz_class_from_Octagonal_Shape_int16_t (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_BD_Shape_mpz_class_from_Octagonal_Shape_int32_t (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_BD_Shape_mpz_class_from_Octagonal_Shape_int64_t (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_BD_Shape_mpz_class_from_Octagonal_Shape_mpz_class (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_BD_Shape_mpz_class_from_Octagonal_Shape_mpq_class (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_BD_Shape_mpz_class_from_C_Polyhedron (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_BD_Shape_mpz_class_from_NNC_Polyhedron (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_BD_Shape_mpz_class_from_Grid (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Grid_t ph)
- int ppl_new_BD_Shape_mpz_class_from_Float_Box (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_BD_Shape_mpz_class_from_BD_Shape_float (ppl_BD_Shape_mpz_class_t *pph, ppl_const_BD_Shape_float_t ph)
- int ppl_new_BD_Shape_mpz_class_from_Octagonal_Shape_float (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_BD_Shape_mpz_class_from_Double_Box (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Double_Box_t ph)
- int ppl_new_BD_Shape_mpz_class_from_BD_Shape_double (ppl_BD_Shape_mpz_class_t *pph, ppl_const_BD_Shape_double_t ph)
- int ppl_new_BD_Shape_mpz_class_from_Octagonal_Shape_double (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_BD_Shape_mpz_class_from_Long_Double_Box (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Long_Double_Box_t ph)
- int ppl_new_BD_Shape_mpz_class_from_BD_Shape_long_double (ppl_BD_Shape_mpz_class_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_BD_Shape_mpz_class_from_Octagonal_Shape_long_double (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_BD_Shape_mpz_class_from_Int8_Box_with_complexity (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Int8_Box_t ph, int complexity)

- int ppl_new_BD_Shape_mpz_class_from_Int16_Box_with_complexity (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_BD_Shape_mpz_class_from_Int32_Box_with_complexity (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_BD_Shape_mpz_class_from_Int64_Box_with_complexity (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_BD_Shape_mpz_class_from_Uint8_Box_with_complexity (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_BD_Shape_mpz_class_from_Uint16_Box_with_complexity (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_BD_Shape_mpz_class_from_Uint32_Box_with_complexity (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Uint32_Box_t ph, int complexity)
- int ppl_new_BD_Shape_mpz_class_from_Uint64_Box_with_complexity (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_BD_Shape_mpz_class_from_Z_Box_with_complexity (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_BD_Shape_mpz_class_from_Rational_Box_with_complexity (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_BD_Shape_mpz_class_from_BD_Shape_int8_t_with_complexity (ppl_BD_Shape_mpz_class_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)
- int ppl_new_BD_Shape_mpz_class_from_BD_Shape_int16_t_with_complexity (ppl_BD_Shape_mpz_class_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_BD_Shape_mpz_class_from_BD_Shape_int32_t_with_complexity (ppl_BD_Shape_mpz_class_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_BD_Shape_mpz_class_from_BD_Shape_int64_t_with_complexity (ppl_BD_Shape_mpz_class_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_BD_Shape_mpz_class_from_BD_Shape_mpz_class_with_complexity (ppl_BD_Shape_mpz_class_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_BD_Shape_mpz_class_from_BD_Shape_mpq_class_with_complexity (ppl_BD_Shape_mpz_class_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_BD_Shape_mpz_class_from_Octagonal_Shape_int8_t_with_complexity (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_BD_Shape_mpz_class_from_Octagonal_Shape_int16_t_with_complexity (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_BD_Shape_mpz_class_from_Octagonal_Shape_int32_t_with_complexity (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_BD_Shape_mpz_class_from_Octagonal_Shape_int64_t_with_complexity (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_new_BD_Shape_mpz_class_from_Octagonal_Shape_mpz_class_with_complexity (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_BD_Shape_mpz_class_from_Octagonal_Shape_mpq_class_with_complexity (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_BD_Shape_mpz_class_from_C_Polyhedron_with_complexity (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_BD_Shape_mpz_class_from_NNC_Polyhedron_with_complexity (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_BD_Shape_mpz_class_from_Grid_with_complexity (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_BD_Shape_mpz_class_from_Float_Box_with_complexity (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_BD_Shape_mpz_class_from_BD_Shape_float_with_complexity (ppl_BD_Shape_mpz_class_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)

- int ppl_new_BD_Shape_mpz_class_from_Octagonal_Shape_float_with_complexity (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_BD_Shape_mpz_class_from_Double_Box_with_complexity (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_BD_Shape_mpz_class_from_BD_Shape_double_with_complexity (ppl_BD_Shape_mpz_class_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_BD_Shape_mpz_class_from_Octagonal_Shape_double_with_complexity (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_BD_Shape_mpz_class_from_Long_Double_Box_with_complexity (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_BD_Shape_mpz_class_from_BD_Shape_long_double_with_complexity (ppl_BD_Shape_mpz_class_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_BD_Shape_mpz_class_from_Octagonal_Shape_long_double_with_complexity (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_BD_Shape_mpz_class_from_Constraint_System (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_BD_Shape_mpz_class_from_Congruence_System (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_new_BD_Shape_mpz_class_from_Generator_System (ppl_BD_Shape_mpz_class_t *pph, ppl_const_Generator_System_t cs)
- int ppl_BD_Shape_mpz_class_space_dimension (ppl_const_BD_Shape_mpz_class_t ph, ppl_dimension_type *m)
- int ppl_BD_Shape_mpz_class_affine_dimension (ppl_const_BD_Shape_mpz_class_t ph, ppl_dimension_type *m)
- int ppl_BD_Shape_mpz_class_relation_with_Constraint (ppl_const_BD_Shape_mpz_class_t ph, ppl_const_Constraint_t c)
- int ppl_BD_Shape_mpz_class_relation_with_Generator (ppl_const_BD_Shape_mpz_class_t ph, ppl_const_Generator_t c)
- int ppl_BD_Shape_mpz_class_relation_with_Congruence (ppl_const_BD_Shape_mpz_class_t ph, ppl_const_Congruence_t c)
- int ppl_BD_Shape_mpz_class_get_constraints (ppl_const_BD_Shape_mpz_class_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_BD_Shape_mpz_class_get_congruences (ppl_const_BD_Shape_mpz_class_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_BD_Shape_mpz_class_get_minimized_constraints (ppl_const_BD_Shape_mpz_class_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_BD_Shape_mpz_class_get_minimized_congruences (ppl_const_BD_Shape_mpz_class_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_BD_Shape_mpz_class_is_empty (ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_BD_Shape_mpz_class_is_universe (ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_BD_Shape_mpz_class_is_bounded (ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_BD_Shape_mpz_class_contains_integer_point (ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_BD_Shape_mpz_class_is_topologically_closed (ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_BD_Shape_mpz_class_is_discrete (ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_BD_Shape_mpz_class_topological_closure_assign (ppl_BD_Shape_mpz_class_t ph)
- int ppl_BD_Shape_mpz_class_bounds_from_above (ppl_const_BD_Shape_mpz_class_t ph, ppl_const_Linear_Expression_t le)
- int ppl_BD_Shape_mpz_class_bounds_from_below (ppl_const_BD_Shape_mpz_class_t ph, ppl_const_Linear_Expression_t le)
- int ppl_BD_Shape_mpz_class_maximize (ppl_const_BD_Shape_mpz_class_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)

- int ppl_BD_Shape_mpz_class_minimize (ppl_const_BD_Shape_mpz_class_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_BD_Shape_mpz_class_maximize_with_point (ppl_const_BD_Shape_mpz_class_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_BD_Shape_mpz_class_minimize_with_point (ppl_const_BD_Shape_mpz_class_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_BD_Shape_mpz_class_frequency (ppl_const_BD_Shape_mpz_class_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_fn, ppl_Coefficient_t ext_fd, ppl_Coefficient_t ext_vn, ppl_Coefficient_t ext_vd)
- int ppl_BD_Shape_mpz_class_contains_BD_Shape_mpz_class (ppl_const_BD_Shape_mpz_class_t x, ppl_const_BD_Shape_mpz_class_t y)
- int ppl_BD_Shape_mpz_class_strictly_contains_BD_Shape_mpz_class (ppl_const_BD_Shape_mpz_class_t x, ppl_const_BD_Shape_mpz_class_t y)
- int ppl_BD_Shape_mpz_class_is_disjoint_from_BD_Shape_mpz_class (ppl_const_BD_Shape_mpz_class_t x, ppl_const_BD_Shape_mpz_class_t y)
- int ppl_BD_Shape_mpz_class_equals_BD_Shape_mpz_class (ppl_const_BD_Shape_mpz_class_t x, ppl_const_BD_Shape_mpz_class_t y)
- int ppl_BD_Shape_mpz_class_OK (ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_BD_Shape_mpz_class_add_constraint (ppl_BD_Shape_mpz_class_t ph, ppl_const_Constraint_t c)
- int ppl_BD_Shape_mpz_class_add_congruence (ppl_BD_Shape_mpz_class_t ph, ppl_const_Congruence_t c)
- int ppl_BD_Shape_mpz_class_add_constraints (ppl_BD_Shape_mpz_class_t ph, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_mpz_class_add_congruences (ppl_BD_Shape_mpz_class_t ph, ppl_const_Congruence_System_t cs)
- int ppl_BD_Shape_mpz_class_refine_with_constraint (ppl_BD_Shape_mpz_class_t ph, ppl_const_Constraint_t c)
- int ppl_BD_Shape_mpz_class_refine_with_congruence (ppl_BD_Shape_mpz_class_t ph, ppl_const_Congruence_t c)
- int ppl_BD_Shape_mpz_class_refine_with_constraints (ppl_BD_Shape_mpz_class_t ph, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_mpz_class_refine_with_congruences (ppl_BD_Shape_mpz_class_t ph, ppl_const_Congruence_System_t cs)
- int ppl_BD_Shape_mpz_class_intersection_assign (ppl_BD_Shape_mpz_class_t x, ppl_const_BD_Shape_mpz_class_t y)
- int ppl_BD_Shape_mpz_class_upper_bound_assign (ppl_BD_Shape_mpz_class_t x, ppl_const_BD_Shape_mpz_class_t y)
- int ppl_BD_Shape_mpz_class_difference_assign (ppl_BD_Shape_mpz_class_t x, ppl_const_BD_Shape_mpz_class_t y)
- int ppl_BD_Shape_mpz_class_concatenate_assign (ppl_BD_Shape_mpz_class_t x, ppl_const_BD_Shape_mpz_class_t y)
- int ppl_BD_Shape_mpz_class_time_elapse_assign (ppl_BD_Shape_mpz_class_t x, ppl_const_BD_Shape_mpz_class_t y)
- int ppl_BD_Shape_mpz_class_upper_bound_assign_if_exact (ppl_BD_Shape_mpz_class_t x, ppl_const_BD_Shape_mpz_class_t y)
- int ppl_BD_Shape_mpz_class_simplify_using_context_assign (ppl_BD_Shape_mpz_class_t x, ppl_const_BD_Shape_mpz_class_t y)
- int ppl_BD_Shape_mpz_class_constrains (ppl_BD_Shape_mpz_class_t ph, ppl_dimension_type var)

- int ppl_BD_Shape_mpz_class_unconstrain_space_dimension (ppl_BD_Shape_mpz_class_t ph, ppl_dimension_type var)
- int ppl_BD_Shape_mpz_class_unconstrain_space_dimensions (ppl_BD_Shape_mpz_class_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_BD_Shape_mpz_class_affine_image (ppl_BD_Shape_mpz_class_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_mpz_class_affine_preimage (ppl_BD_Shape_mpz_class_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_mpz_class_bounded_affine_image (ppl_BD_Shape_mpz_class_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_mpz_class_bounded_affine_preimage (ppl_BD_Shape_mpz_class_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_mpz_class_generalized_affine_image (ppl_BD_Shape_mpz_class_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_mpz_class_generalized_affine_preimage (ppl_BD_Shape_mpz_class_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_BD_Shape_mpz_class_generalized_affine_image_lhs_rhs (ppl_BD_Shape_mpz_class_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_BD_Shape_mpz_class_generalized_affine_preimage_lhs_rhs (ppl_BD_Shape_mpz_class_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_BD_Shape_mpz_class_add_space_dimensions_and_embed (ppl_BD_Shape_mpz_class_t ph, ppl_dimension_type d)
- int ppl_BD_Shape_mpz_class_add_space_dimensions_and_project (ppl_BD_Shape_mpz_class_t ph, ppl_dimension_type d)
- int ppl_BD_Shape_mpz_class_remove_space_dimensions (ppl_BD_Shape_mpz_class_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_BD_Shape_mpz_class_remove_higher_space_dimensions (ppl_BD_Shape_mpz_class_t ph, ppl_dimension_type d)
- int ppl_BD_Shape_mpz_class_expand_space_dimension (ppl_BD_Shape_mpz_class_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_BD_Shape_mpz_class_fold_space_dimensions (ppl_BD_Shape_mpz_class_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_BD_Shape_mpz_class_map_space_dimensions (ppl_BD_Shape_mpz_class_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_BD_Shape_mpz_class_drop_some_non_integer_points (ppl_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_BD_Shape_mpz_class_drop_some_non_integer_points_2 (ppl_BD_Shape_mpz_class_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_BD_Shape_mpz_class_external_memory_in_bytes (ppl_const_BD_Shape_mpz_class_t ps, size_t *sz)
- int ppl_BD_Shape_mpz_class_total_memory_in_bytes (ppl_const_BD_Shape_mpz_class_t ps, size_t *sz)
- int ppl_BD_Shape_mpz_class_BHMZ05_widening_assign_with_tokens (ppl_BD_Shape_mpz_class_t x, ppl_const_BD_Shape_mpz_class_t y, unsigned *tp)
- int ppl_BD_Shape_mpz_class_H79_widening_assign_with_tokens (ppl_BD_Shape_mpz_class_t x, ppl_const_BD_Shape_mpz_class_t y, unsigned *tp)

- int ppl_BD_Shape_mpz_class_BHMZ05_widening_assign (ppl_BD_Shape_mpz_class_t x, ppl_const_BD_Shape_mpz_class_t y)
- int ppl_BD_Shape_mpz_class_H79_widening_assign (ppl_BD_Shape_mpz_class_t x, ppl_const_BD_Shape_mpz_class_t y)
- int ppl_BD_Shape_mpz_class_widening_assign_with_tokens (ppl_BD_Shape_mpz_class_t x, ppl_const_BD_Shape_mpz_class_t y, unsigned *tp)
- int ppl_BD_Shape_mpz_class_widening_assign (ppl_BD_Shape_mpz_class_t x, ppl_const_BD_Shape_mpz_class_t y)
- int ppl_BD_Shape_mpz_class_limited_BHMZ05_extrapolation_assign_with_tokens (ppl_BD_Shape_mpz_class_t x, ppl_const_BD_Shape_mpz_class_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_BD_Shape_mpz_class_limited_H79_extrapolation_assign_with_tokens (ppl_BD_Shape_mpz_class_t x, ppl_const_BD_Shape_mpz_class_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_BD_Shape_mpz_class_limited_CC76_extrapolation_assign_with_tokens (ppl_BD_Shape_mpz_class_t x, ppl_const_BD_Shape_mpz_class_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_BD_Shape_mpz_class_limited_BHMZ05_extrapolation_assign (ppl_BD_Shape_mpz_class_t x, ppl_const_BD_Shape_mpz_class_t y, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_mpz_class_limited_H79_extrapolation_assign (ppl_BD_Shape_mpz_class_t x, ppl_const_BD_Shape_mpz_class_t y, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_mpz_class_limited_CC76_extrapolation_assign (ppl_BD_Shape_mpz_class_t x, ppl_const_BD_Shape_mpz_class_t y, ppl_const_Constraint_System_t cs)
- int ppl_BD_Shape_mpz_class_CC76_extrapolation_assign_with_tokens (ppl_BD_Shape_mpz_class_t x, ppl_const_BD_Shape_mpz_class_t y, unsigned *tp)
- int ppl_BD_Shape_mpz_class_CC76_extrapolation_assign (ppl_BD_Shape_mpz_class_t x, ppl_const_BD_Shape_mpz_class_t y)
- int ppl_BD_Shape_mpz_class_CC76_narrowing_assign (ppl_BD_Shape_mpz_class_t x, ppl_const_BD_Shape_mpz_class_t y)
- int ppl_BD_Shape_mpz_class_linear_partition (ppl_const_BD_Shape_mpz_class_t x, ppl_const_BD_Shape_mpz_class_t y, ppl_BD_Shape_mpz_class_t *p_inters, ppl_Pointset_Powerset_NNC_Polyhedron_t *p_rest)
- int ppl_BD_Shape_mpz_class_wrap_assign (ppl_BD_Shape_mpz_class_t ph, ppl_dimension_type ds[ ], size_t n, enum ppl_enum_Bounded_Integer_Type_Width w, enum ppl_enum_Bounded_Integer_Type_Representation r, enum ppl_enum_Bounded_Integer_Type_Overflow o, const ppl_const_Constraint_System_t *pcs, unsigned complexity_threshold, int wrap_individually)
- int ppl_new_BD_Shape_mpz_class_recycle_Constraint_System (ppl_BD_Shape_mpz_class_t *pph, ppl_Constraint_System_t cs)
- int ppl_new_BD_Shape_mpz_class_recycle_Congruence_System (ppl_BD_Shape_mpz_class_t *pph, ppl_Congruence_System_t cs)
- int ppl_new_BD_Shape_mpz_class_recycle_Generator_System (ppl_BD_Shape_mpz_class_t *pph, ppl_Generator_System_t cs)
- int ppl_assign_BD_Shape_mpz_class_from_BD_Shape_mpz_class (ppl_BD_Shape_mpz_class_t dst, ppl_const_BD_Shape_mpz_class_t src)
- int ppl_BD_Shape_mpz_class_add_recycled_constraints (ppl_BD_Shape_mpz_class_t ph, ppl_Constraint_System_t cs)
- int ppl_BD_Shape_mpz_class_add_recycled_congruences (ppl_BD_Shape_mpz_class_t ph, ppl_Congruence_System_t cs)
- int ppl_termination_test_MS_BD_Shape_mpz_class (ppl_const_BD_Shape_mpz_class_t pset)
- int ppl_termination_test_PR_BD_Shape_mpz_class (ppl_const_BD_Shape_mpz_class_t pset)
- int ppl_one_affine_ranking_function_MS_BD_Shape_mpz_class (ppl_const_BD_Shape_mpz_class_t pset, ppl_Generator_t point)

- int ppl_one_affine_ranking_function_PR_BD_Shape_mpz_class (ppl_const_BD_Shape_mpz_class_t pset, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_BD_Shape_mpz_class (ppl_const_BD_Shape_mpz_class_t pset, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_BD_Shape_mpz_class (ppl_const_BD_Shape_mpz_class_t pset, ppl_Polyhedron_t ph)
- int ppl_termination_test_MS_BD_Shape_mpz_class_2 (ppl_const_BD_Shape_mpz_class_t pset_before, ppl_const_BD_Shape_mpz_class_t pset_after)
- int ppl_termination_test_PR_BD_Shape_mpz_class_2 (ppl_const_BD_Shape_mpz_class_t pset_before, ppl_const_BD_Shape_mpz_class_t pset_after)
- int ppl_one_affine_ranking_function_MS_BD_Shape_mpz_class_2 (ppl_const_BD_Shape_mpz_class_t pset_before, ppl_const_BD_Shape_mpz_class_t pset_after, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_BD_Shape_mpz_class_2 (ppl_const_BD_Shape_mpz_class_t pset_before, ppl_const_BD_Shape_mpz_class_t pset_after, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_BD_Shape_mpz_class_2 (ppl_const_BD_Shape_mpz_class_t pset_before, ppl_const_BD_Shape_mpz_class_t pset_after, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_BD_Shape_mpz_class_2 (ppl_const_BD_Shape_mpz_class_t pset_before, ppl_const_BD_Shape_mpz_class_t pset_after, ppl_Polyhedron_t ph)
- int ppl_io_print_BD_Shape_mpz_class (ppl_const_BD_Shape_mpz_class_t x)
- int ppl_io_fprint_BD_Shape_mpz_class (FILE *stream, ppl_const_BD_Shape_mpz_class_t x)
- int ppl_io_asprint_BD_Shape_mpz_class (char **strp, ppl_const_BD_Shape_mpz_class_t x)
- int ppl_BD_Shape_mpz_class_ascii_dump (ppl_const_BD_Shape_mpz_class_t x, FILE *stream)
- int ppl_BD_Shape_mpz_class_ascii_load (ppl_BD_Shape_mpz_class_t x, FILE *stream)

7.11.1 Detailed Description

Types and functions for ppl_BD_Shape_mpz_class_tag.

7.11.2 Friends And Related Function Documentation

7.11.2.1 int ppl_delete_BD_Shape_mpz_class (ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.11.2.2 int ppl_new_BD_Shape_mpz_class_from_space_dimension (ppl_BD_Shape_mpz_class_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.11.2.3 int ppl_new_BD_Shape_mpz_class_from_Int8_Box (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.11.2.4 int ppl_new_BD_Shape_mpz_class_from_Int16_Box (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.11.2.5 int ppl_new_BD_Shape_mpz_class_from_Int32_Box (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.11.2.6 int ppl_new_BD_Shape_mpz_class_from_Int64_Box (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.11.2.7 int ppl_new_BD_Shape_mpz_class_from_Uint8_Box (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.11.2.8 int ppl_new_BD_Shape_mpz_class_from_Uint16_Box (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.11.2.9 int ppl_new_BD_Shape_mpz_class_from_Uint32_Box (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.11.2.10 int ppl_new_BD_Shape_mpz_class_from_Uint64_Box (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.11.2.11 int ppl_new_BD_Shape_mpz_class_from_Z_Box (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.11.2.12 int ppl_new_BD_Shape_mpz_class_from_Rational_Box (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.11.2.13 int ppl_new_BD_Shape_mpz_class_from_BD_Shape_int8_t (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.11.2.14 int ppl_new_BD_Shape_mpz_class_from_BD_Shape_int16_t (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.11.2.15 int ppl_new_BD_Shape_mpz_class_from_BD_Shape_int32_t (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.11.2.16 int ppl_new_BD_Shape_mpz_class_from_BD_Shape_int64_t (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.11.2.17 int ppl_new_BD_Shape_mpz_class_from_BD_Shape_mpz_class (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.11.2.18 int ppl_new_BD_Shape_mpz_class_from_BD_Shape_mpq_class (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.11.2.19 int ppl_new_BD_Shape_mpz_class_from_Octagonal_Shape_int8_t (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.11.2.20 int ppl_new_BD_Shape_mpz_class_from_Octagonal_Shape_int16_t (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.11.2.21 int ppl_new_BD_Shape_mpz_class_from_Octagonal_Shape_int32_t (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.11.2.22 int ppl_new_BD_Shape_mpz_class_from_Octagonal_Shape_int64_t (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.11.2.23 int ppl_new_BD_Shape_mpz_class_from_Octagonal_Shape_mpz_class (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.11.2.24 int ppl_new_BD_Shape_mpz_class_from_Octagonal_Shape_mpq_class (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.11.2.25 int ppl_new_BD_Shape_mpz_class_from_C_Polyhedron (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.11.2.26 int ppl_new_BD_Shape_mpz_class_from_NNC_Polyhedron (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.11.2.27 int ppl_new_BD_Shape_mpz_class_from_Grid (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.11.2.28 int ppl_new_BD_Shape_mpz_class_from_Float_Box (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.11.2.29 int ppl_new_BD_Shape_mpz_class_from_BD_Shape_float (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.11.2.30 int ppl_new_BD_Shape_mpz_class_from_Octagonal_Shape_float (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.11.2.31 int ppl_new_BD_Shape_mpz_class_from_Double_Box (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.11.2.32 int ppl_new_BD_Shape_mpz_class_from_BD_Shape_double (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.11.2.33 int ppl_new_BD_Shape_mpz_class_from_Octagonal_Shape_double (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.11.2.34 int ppl_new_BD_Shape_mpz_class_from_Long_Double_Box (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.11.2.35 int ppl_new_BD_Shape_mpz_class_from_BD_Shape_long_double (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.11.2.36 int ppl_new_BD_Shape_mpz_class_from_Octagonal_Shape_long_double (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.11.2.37 int ppl_new_BD_Shape_mpz_class_from_Int8_Box_with_complexity (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.11.2.38 int ppl_new_BD_Shape_mpz_class_from_Int16_Box_with_complexity (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.11.2.39 int ppl_new_BD_Shape_mpz_class_from_Int32_Box_with_complexity (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.11.2.40 int ppl_new_BD_Shape_mpz_class_from_Int64_Box_with_complexity (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.11.2.41 int ppl_new_BD_Shape_mpz_class_from_Uint8_Box_with_complexity (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.11.2.42 int ppl_new_BD_Shape_mpz_class_from_Uint16_Box_with_complexity (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.11.2.43 int ppl_new_BD_Shape_mpz_class_from_Uint32_Box_with_complexity (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.11.2.44 int ppl_new_BD_Shape_mpz_class_from_Uint64_Box_with_complexity (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.11.2.45 int ppl_new_BD_Shape_mpz_class_from_Z_Box_with_complexity (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.11.2.46 int ppl_new_BD_Shape_mpz_class_from_Rational_Box_with_complexity (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.11.2.47 int ppl_new_BD_Shape_mpz_class_from_BD_Shape_int8_t_with_complexity (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.11.2.48 int ppl_new_BD_Shape_mpz_class_from_BD_Shape_int16_t_with_complexity (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.11.2.49 int ppl_new_BD_Shape_mpz_class_from_BD_Shape_int32_t_with_complexity (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.11.2.50 int ppl_new_BD_Shape_mpz_class_from_BD_Shape_int64_t_with_complexity (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.11.2.51 int ppl_new_BD_Shape_mpz_class_from_BD_Shape_mpz_class_with_complexity (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.11.2.52 int ppl_new_BD_Shape_mpz_class_from_BD_Shape_mpq_class_with_complexity (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.11.2.53 int ppl_new_BD_Shape_mpz_class_from_Octagonal_Shape_int8_t_with_complexity (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.11.2.54 int ppl_new_BD_Shape_mpz_class_from_Octagonal_Shape_int16_t_with_complexity (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.11.2.55 int ppl_new_BD_Shape_mpz_class_from_Octagonal_Shape_int32_t_with_complexity (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.11.2.56 int ppl_new_BD_Shape_mpz_class_from_Octagonal_Shape_int64_t_with_complexity (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.11.2.57 int ppl_new_BD_Shape_mpz_class_from_Octagonal_Shape_-mpz_class_with_complexity (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.11.2.58 int ppl_new_BD_Shape_mpz_class_from_Octagonal_Shape_-mpq_class_with_complexity (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.11.2.59 int ppl_new_BD_Shape_mpz_class_from_C_Polyhedron_with_complexity (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.11.2.60 int ppl_new_BD_Shape_mpz_class_from_NNC_Polyhedron_with_complexity (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.11.2.61 int ppl_new_BD_Shape_mpz_class_from_Grid_with_complexity (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.11.2.62 int ppl_new_BD_Shape_mpz_class_from_Float_Box_with_complexity (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.11.2.63 int ppl_new_BD_Shape_mpz_class_from_BD_Shape_float_with_complexity (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.11.2.64 int ppl_new_BD_Shape_mpz_class_from_Octagonal_Shape_float_with_complexity (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.11.2.65 int ppl_new_BD_Shape_mpz_class_from_Double_Box_with_complexity (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.11.2.66 int ppl_new_BD_Shape_mpz_class_from_BD_Shape_double_with_complexity (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.11.2.67 int ppl_new_BD_Shape_mpz_class_from_Octagonal_Shape_double_with_complexity (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.11.2.68 int ppl_new_BD_Shape_mpz_class_from_Long_Double_Box_with_complexity (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.11.2.69 int ppl_new_BD_Shape_mpz_class_from_BD_Shape_long_double_with_complexity (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.11.2.70 int ppl_new_BD_Shape_mpz_class_from_Octagonal_Shape_-long_double_with_complexity (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.11.2.71 int ppl_new_BD_Shape_mpz_class_from_Constraint_System (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.11.2.72 int ppl_new_BD_Shape_mpz_class_from_Congruence_System (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.11.2.73 int ppl_new_BD_Shape_mpz_class_from_Generator_System (ppl_BD_Shape_mpz_class_t * *pph*, ppl_const_Generator_System_t *cs*) [related]

7.11.2.74 int ppl_BD_Shape_mpz_class_space_dimension (ppl_const_BD_Shape_mpz_class_t *ph*, ppl_dimension_type * *m*) [related]

7.11.2.75 int ppl_BD_Shape_mpz_class_affine_dimension (ppl_const_BD_Shape_mpz_class_t *ph*, ppl_dimension_type * *m*) [related]

7.11.2.76 int ppl_BD_Shape_mpz_class_relation_with_Constraint (ppl_const_BD_Shape_mpz_class_t *ph*, ppl_const_Constraint_t *c*) [related]

7.11.2.77 int ppl_BD_Shape_mpz_class_relation_with_Generator (ppl_const_BD_Shape_mpz_class_t *ph*, ppl_const_Generator_t *c*) [related]

7.11.2.78 int ppl_BD_Shape_mpz_class_relation_with_Congruence (ppl_const_BD_Shape_mpz_class_t *ph*, ppl_const_Congruence_t *c*) [related]

7.11.2.79 int ppl_BD_Shape_mpz_class_get_constraints (ppl_const_BD_Shape_mpz_class_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.11.2.80 int ppl_BD_Shape_mpz_class_get_congruences (ppl_const_BD_Shape_mpz_class_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.11.2.81 int ppl_BD_Shape_mpz_class_get_minimized_constraints (ppl_const_BD_Shape_mpz_class_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.11.2.82 int ppl_BD_Shape_mpz_class_get_minimized_congruences (ppl_const_BD_Shape_mpz_class_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.11.2.83 int ppl_BD_Shape_mpz_class_is_empty (ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.11.2.84 int ppl_BD_Shape_mpz_class_is_universe (ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.11.2.85 int ppl_BD_Shape_mpz_class_is_bounded (ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.11.2.86 int ppl_BD_Shape_mpz_class_contains_integer_point (ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.11.2.87 int ppl_BD_Shape_mpz_class_is_topologically_closed (ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.11.2.88 int ppl_BD_Shape_mpz_class_is_discrete (ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.11.2.89 int ppl_BD_Shape_mpz_class_topological_closure_assign (ppl_BD_Shape_mpz_class_t *ph*) [related]

7.11.2.90 int ppl_BD_Shape_mpz_class_bounds_from_above (ppl_const_BD_Shape_mpz_class_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.11.2.91 int ppl_BD_Shape_mpz_class_bounds_from_below (ppl_const_BD_Shape_mpz_class_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.11.2.92 int ppl_BD_Shape_mpz_class_maximize (ppl_const_BD_Shape_mpz_class_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.11.2.93 int ppl_BD_Shape_mpz_class_minimize (ppl_const_BD_Shape_mpz_class_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.11.2.94 int ppl_BD_Shape_mpz_class_maximize_with_point (ppl_const_BD_Shape_mpz_class_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.11.2.95 int ppl_BD_Shape_mpz_class_minimize_with_point (ppl_const_BD_Shape_mpz_class_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.11.2.96 int ppl_BD_Shape_mpz_class_frequency (ppl_const_BD_Shape_mpz_class_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_fn*, ppl_Coefficient_t *ext_fd*, ppl_Coefficient_t *ext_vn*, ppl_Coefficient_t *ext_vd*) [related]

7.11.2.97 int ppl_BD_Shape_mpz_class_contains_BD_Shape_mpz_class (ppl_const_BD_Shape_mpz_class_t *x*, ppl_const_BD_Shape_mpz_class_t *y*) [related]

7.11.2.98 int ppl_BD_Shape_mpz_class_strictly_contains_BD_Shape_mpz_class (ppl_const_BD_Shape_mpz_class_t *x*, ppl_const_BD_Shape_mpz_class_t *y*) [related]

7.11.2.99 int ppl_BD_Shape_mpz_class_is_disjoint_from_BD_Shape_mpz_class (ppl_const_BD_Shape_mpz_class_t *x*, ppl_const_BD_Shape_mpz_class_t *y*) [related]

7.11.2.100 int ppl_BD_Shape_mpz_class_equals_BD_Shape_mpz_class (ppl_const_BD_Shape_mpz_class_t *x*, ppl_const_BD_Shape_mpz_class_t *y*) [related]

7.11.2.101 int ppl_BD_Shape_mpz_class_OK (ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.11.2.102 int ppl_BD_Shape_mpz_class_add_constraint (ppl_BD_Shape_mpz_class_t *ph*, ppl_const_Constraint_t *c*) [related]

7.11.2.103 int ppl_BD_Shape_mpz_class_add_congruence (ppl_BD_Shape_mpz_class_t *ph*, ppl_const_Congruence_t *c*) [related]

7.11.2.104 int ppl_BD_Shape_mpz_class_add_constraints (ppl_BD_Shape_mpz_class_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.11.2.105 int ppl_BD_Shape_mpz_class_add_congruences (ppl_BD_Shape_mpz_class_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.11.2.106 int ppl_BD_Shape_mpz_class_refine_with_constraint (ppl_BD_Shape_mpz_class_t *ph*, ppl_const_Constraint_t *c*) [related]

7.11.2.107 int ppl_BD_Shape_mpz_class_refine_with_congruence (ppl_BD_Shape_mpz_class_t *ph*, ppl_const_Congruence_t *c*) [related]

7.11.2.108 int ppl_BD_Shape_mpz_class_refine_with_constraints (ppl_BD_Shape_mpz_class_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.11.2.109 int ppl_BD_Shape_mpz_class_refine_with_congruences (ppl_BD_Shape_mpz_class_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.11.2.110 int ppl_BD_Shape_mpz_class_intersection_assign (ppl_BD_Shape_mpz_class_t *x*, ppl_const_BD_Shape_mpz_class_t *y*) [related]

7.11.2.111 int ppl_BD_Shape_mpz_class_upper_bound_assign (ppl_BD_Shape_mpz_class_t *x*, ppl_const_BD_Shape_mpz_class_t *y*) [related]

7.11.2.112 int ppl_BD_Shape_mpz_class_difference_assign (ppl_BD_Shape_mpz_class_t *x*, ppl_const_BD_Shape_mpz_class_t *y*) [related]

7.11.2.113 int ppl_BD_Shape_mpz_class_concatenate_assign (ppl_BD_Shape_mpz_class_t *x*, ppl_const_BD_Shape_mpz_class_t *y*) [related]

7.11.2.114 int ppl_BD_Shape_mpz_class_time_elapse_assign (ppl_BD_Shape_mpz_class_t *x*, ppl_const_BD_Shape_mpz_class_t *y*) [related]

7.11.2.115 int ppl_BD_Shape_mpz_class_upper_bound_assign_if_exact (ppl_BD_Shape_mpz_class_t *x*, ppl_const_BD_Shape_mpz_class_t *y*) [related]

7.11.2.116 int ppl_BD_Shape_mpz_class_simplify_using_context_assign (ppl_BD_Shape_mpz_class_t *x*, ppl_const_BD_Shape_mpz_class_t *y*) [related]

7.11.2.117 int ppl_BD_Shape_mpz_class_constrains (ppl_BD_Shape_mpz_class_t *ph*, ppl_dimension_type *var*) [related]

7.11.2.118 int ppl_BD_Shape_mpz_class_unconstrain_space_dimension (ppl_BD_Shape_mpz_class_t *ph*, ppl_dimension_type *var*) [related]

7.11.2.119 int ppl_BD_Shape_mpz_class_unconstrain_space_dimensions (ppl_BD_Shape_mpz_class_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.11.2.120 int ppl_BD_Shape_mpz_class_affine_image (ppl_BD_Shape_mpz_class_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.11.2.121 int ppl_BD_Shape_mpz_class_affine_preimage (ppl_BD_Shape_mpz_class_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.11.2.122 int ppl_BD_Shape_mpz_class_bounded_affine_image (ppl_BD_Shape_mpz_class_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.11.2.123 int ppl_BD_Shape_mpz_class_bounded_affine_preimage (ppl_BD_Shape_mpz_class_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.11.2.124 int ppl_BD_Shape_mpz_class_generalized_affine_image (ppl_BD_Shape_mpz_class_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.11.2.125 int ppl_BD_Shape_mpz_class_generalized_affine_preimage (ppl_BD_Shape_mpz_class_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.11.2.126 int ppl_BD_Shape_mpz_class_generalized_affine_image_lhs_rhs (ppl_BD_Shape_mpz_class_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.11.2.127 int ppl_BD_Shape_mpz_class_generalized_affine_preimage_lhs_rhs (ppl_BD_Shape_mpz_class_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.11.2.128 int ppl_BD_Shape_mpz_class_add_space_dimensions_and_embed (ppl_BD_Shape_mpz_class_t *ph*, ppl_dimension_type *d*) [related]

7.11.2.129 int ppl_BD_Shape_mpz_class_add_space_dimensions_and_project (ppl_BD_Shape_mpz_class_t *ph*, ppl_dimension_type *d*) [related]

7.11.2.130 int ppl_BD_Shape_mpz_class_remove_space_dimensions (ppl_BD_Shape_mpz_class_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.11.2.131 int ppl_BD_Shape_mpz_class_remove_higher_space_dimensions (ppl_BD_Shape_mpz_class_t *ph*, ppl_dimension_type *d*) [related]

7.11.2.132 int ppl_BD_Shape_mpz_class_expand_space_dimension (ppl_BD_Shape_mpz_class_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.11.2.133 int ppl_BD_Shape_mpz_class_fold_space_dimensions (ppl_BD_Shape_mpz_class_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.11.2.134 int ppl_BD_Shape_mpz_class_map_space_dimensions (ppl_BD_Shape_mpz_class_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.11.2.135 int ppl_BD_Shape_mpz_class_drop_some_non_integer_points (ppl_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.11.2.136 int ppl_BD_Shape_mpz_class_drop_some_non_integer_points_2 (ppl_BD_Shape_mpz_class_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.11.2.137 int ppl_BD_Shape_mpz_class_external_memory_in_bytes (ppl_const_BD_Shape_mpz_class_t *ps*, size_t * *sz*) [related]

7.11.2.138 int ppl_BD_Shape_mpz_class_total_memory_in_bytes (ppl_const_BD_Shape_mpz_class_t *ps*, size_t * *sz*) [related]

7.11.2.139 int ppl_BD_Shape_mpz_class_BHMZ05_widening_assign_with_tokens (ppl_BD_Shape_mpz_class_t *x*, ppl_const_BD_Shape_mpz_class_t *y*, unsigned * *tp*) [related]

7.11.2.140 int ppl_BD_Shape_mpz_class_H79_widening_assign_with_tokens (ppl_BD_Shape_mpz_class_t *x*, ppl_const_BD_Shape_mpz_class_t *y*, unsigned * *tp*) [related]

7.11.2.141 int ppl_BD_Shape_mpz_class_BHMZ05_widening_assign (ppl_BD_Shape_mpz_class_t *x*, ppl_const_BD_Shape_mpz_class_t *y*) [related]

7.11.2.142 int ppl_BD_Shape_mpz_class_H79_widening_assign (ppl_BD_Shape_mpz_class_t *x*, ppl_const_BD_Shape_mpz_class_t *y*) [related]

7.11.2.143 int ppl_BD_Shape_mpz_class_widening_assign_with_tokens (ppl_BD_Shape_mpz_class_t *x*, ppl_const_BD_Shape_mpz_class_t *y*, unsigned * *tp*) [related]

7.11.2.144 int ppl_BD_Shape_mpz_class_widening_assign (ppl_BD_Shape_mpz_class_t *x*, ppl_const_BD_Shape_mpz_class_t *y*) [related]

7.11.2.145 int ppl_BD_Shape_mpz_class_limited_BHMZ05_extrapolation_assign_with_tokens (ppl_BD_Shape_mpz_class_t *x*, ppl_const_BD_Shape_mpz_class_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.11.2.146 int ppl_BD_Shape_mpz_class_limited_H79_extrapolation_assign_with_tokens (ppl_BD_Shape_mpz_class_t *x*, ppl_const_BD_Shape_mpz_class_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.11.2.147 int ppl_BD_Shape_mpz_class_limited_CC76_extrapolation_assign_with_tokens (ppl_BD_Shape_mpz_class_t *x*, ppl_const_BD_Shape_mpz_class_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.11.2.148 int ppl_BD_Shape_mpz_class_limited_BHMZ05_extrapolation_assign (ppl_BD_Shape_mpz_class_t *x*, ppl_const_BD_Shape_mpz_class_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.11.2.149 int ppl_BD_Shape_mpz_class_limited_H79_extrapolation_assign (ppl_BD_Shape_mpz_class_t *x*, ppl_const_BD_Shape_mpz_class_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.11.2.150 int ppl_BD_Shape_mpz_class_limited_CC76_extrapolation_assign (ppl_BD_Shape_mpz_class_t *x*, ppl_const_BD_Shape_mpz_class_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.11.2.151 int ppl_BD_Shape_mpz_class_CC76_extrapolation_assign_with_tokens (ppl_BD_Shape_mpz_class_t *x*, ppl_const_BD_Shape_mpz_class_t *y*, unsigned * *tp*) [related]

7.11.2.152 int ppl_BD_Shape_mpz_class_CC76_extrapolation_assign (ppl_BD_Shape_mpz_class_t *x*, ppl_const_BD_Shape_mpz_class_t *y*) [related]

7.11.2.153 int ppl_BD_Shape_mpz_class_CC76_narrowing_assign (ppl_BD_Shape_mpz_class_t *x*, ppl_const_BD_Shape_mpz_class_t *y*) [related]

7.11.2.154 int ppl_BD_Shape_mpz_class_linear_partition (ppl_const_BD_Shape_mpz_class_t *x*, ppl_const_BD_Shape_mpz_class_t *y*, ppl_BD_Shape_mpz_class_t * *p_inters*, ppl_Pointset_Powerset_NNC_Polyhedron_t * *p_rest*) [related]

7.11.2.155 int ppl_BD_Shape_mpz_class_wrap_assign (ppl_BD_Shape_mpz_class_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, enum ppl_enum_Bounded_Integer_Type_Width *w*, enum ppl_enum_Bounded_Integer_Type_Representation *r*, enum ppl_enum_Bounded_Integer_Type_Overflow *o*, const ppl_const_Constraint_System_t * *pcs*, unsigned *complexity_threshold*, int *wrap_individually*) [related]

7.11.2.156 int ppl_new_BD_Shape_mpz_class_recycle_Constraint_System (ppl_BD_Shape_mpz_class_t * *pph*, ppl_Constraint_System_t *cs*) [related]

7.11.2.157 int ppl_new_BD_Shape_mpz_class_recycle_Congruence_System (ppl_BD_Shape_mpz_class_t * *pph*, ppl_Congruence_System_t *cs*) [related]

7.11.2.158 int ppl_new_BD_Shape_mpz_class_recycle_Generator_System (ppl_BD_Shape_mpz_class_t * *pph*, ppl_Generator_System_t *cs*) [related]

7.11.2.159 int ppl_assign_BD_Shape_mpz_class_from_BD_Shape_mpz_class (ppl_BD_Shape_mpz_class_t *dst*, ppl_const_BD_Shape_mpz_class_t *src*) [related]

7.11.2.160 int ppl_BD_Shape_mpz_class_add_recycled_constraints (ppl_BD_Shape_mpz_class_t *ph*, ppl_Constraint_System_t *cs*) [related]

7.11.2.161 int ppl_BD_Shape_mpz_class_add_recycled_congruences (ppl_BD_Shape_mpz_class_t *ph*, ppl_Congruence_System_t *cs*) [related]

7.11.2.162 int ppl_termination_test_MS_BD_Shape_mpz_class (ppl_const_BD_Shape_mpz_class_t *pset*) [related]

7.11.2.163 int ppl_termination_test_PR_BD_Shape_mpz_class (ppl_const_BD_Shape_mpz_class_t *pset*) [related]

7.11.2.164 int ppl_one_affine_ranking_function_MS_BD_Shape_mpz_class (ppl_const_BD_Shape_mpz_class_t *pset*, ppl_Generator_t *point*) [related]

7.11.2.165 int ppl_one_affine_ranking_function_PR_BD_Shape_mpz_class (ppl_const_BD_Shape_mpz_class_t *pset*, ppl_Generator_t *point*) [related]

7.11.2.166 int ppl_all_affine_ranking_functions_MS_BD_Shape_mpz_class (ppl_const_BD_Shape_mpz_class_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.11.2.167 int ppl_all_affine_ranking_functions_PR_BD_Shape_mpz_class (ppl_const_BD_Shape_mpz_class_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.11.2.168 int ppl_termination_test_MS_BD_Shape_mpz_class_2 (ppl_const_BD_Shape_mpz_class_t *pset_before*, ppl_const_BD_Shape_mpz_class_t *pset_after*) [related]

7.11.2.169 int ppl_termination_test_PR_BD_Shape_mpz_class_2 (ppl_const_BD_Shape_mpz_class_t *pset_before*, ppl_const_BD_Shape_mpz_class_t *pset_after*) [related]

7.11.2.170 int ppl_one_affine_ranking_function_MS_BD_Shape_mpz_class_2 (ppl_const_BD_Shape_mpz_class_t *pset_before*, ppl_const_BD_Shape_mpz_class_t *pset_after*, ppl_Generator_t *point*) [related]

7.11.2.171 int ppl_one_affine_ranking_function_PR_BD_Shape_mpz_class_2 (ppl_const_BD_Shape_mpz_class_t *pset_before*, ppl_const_BD_Shape_mpz_class_t *pset_after*, ppl_Generator_t *point*) [related]

7.11.2.172 int ppl_all_affine_ranking_functions_MS_BD_Shape_mpz_class_2 (ppl_const_BD_Shape_mpz_class_t *pset_before*, ppl_const_BD_Shape_mpz_class_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.11.2.173 int ppl_all_affine_ranking_functions_PR_BD_Shape_mpz_class_2 (ppl_const_BD_Shape_mpz_class_t *pset_before*, ppl_const_BD_Shape_mpz_class_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.11.2.174 int ppl_io_print_BD_Shape_mpz_class (ppl_const_BD_Shape_mpz_class_t *x*) [related]

7.11.2.175 int ppl_io_fprint_BD_Shape_mpz_class (FILE * *stream*, ppl_const_BD_Shape_mpz_class_t *x*) [related]

7.11.2.176 int ppl_io_asprint_BD_Shape_mpz_class (char ** *strp*, ppl_const_BD_Shape_mpz_class_t *x*) [related]

7.11.2.177 int ppl_BD_Shape_mpz_class_ascii_dump (ppl_const_BD_Shape_mpz_class_t *x*, FILE * *stream*) [related]

7.11.2.178 int ppl_BD_Shape_mpz_class_ascii_load (ppl_BD_Shape_mpz_class_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.12 ppl_Coefficient_tag Interface Reference

Types and functions for coefficients.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

Constructors, Assignment and Destructor

- int ppl_new_Coefficient (ppl_Coefficient_t *pc)

  Creates a new coefficient with value 0 and writes a handle for the newly created coefficient at address `pc`.

- int ppl_new_Coefficient_from_mpz_t (ppl_Coefficient_t *pc, mpz_t z)

  Creates a new coefficient with the value given by the GMP integer `z` *and writes a handle for the newly created coefficient at address* `pc`.

- int ppl_new_Coefficient_from_Coefficient (ppl_Coefficient_t *pc, ppl_const_Coefficient_t c)

Builds a coefficient that is a copy of `c`*; writes a handle for the newly created coefficient at address* `pc`*.*

- int ppl_assign_Coefficient_from_mpz_t (ppl_Coefficient_t dst, mpz_t z)
  Assign to `dst` *the value given by the GMP integer* `z`*.*

- int ppl_assign_Coefficient_from_Coefficient (ppl_Coefficient_t dst, ppl_const_Coefficient_t src)
  Assigns a copy of the coefficient `src` *to* `dst`*.*

- int ppl_delete_Coefficient (ppl_const_Coefficient_t c)
  Invalidates the handle `c`*: this makes sure the corresponding resources will eventually be released.*

Read-Only Accessor Functions

- int ppl_Coefficient_to_mpz_t (ppl_const_Coefficient_t c, mpz_t z)
  Sets the value of the GMP integer `z` *to the value of* `c`*.*

- int ppl_Coefficient_OK (ppl_const_Coefficient_t c)
  Returns a positive integer if `c` *is well formed, i.e., if it satisfies all its implementation invariants; returns 0 and perhaps makes some noise if* `c` *is broken. Useful for debugging purposes.*

- int ppl_Coefficient_is_bounded (void)
  Returns a positive integer if coefficients are bounded; returns 0 otherwise.

- int ppl_Coefficient_min (mpz_t min)
  Returns a positive integer if coefficients are bounded, in which case `min` *is set to their minimum value; returns 0 otherwise.*

- int ppl_Coefficient_max (mpz_t max)
  Returns a positive integer if coefficients are bounded, in which case `max` *is set to their maximum value; returns 0 otherwise.*

I/O Functions

- int ppl_io_print_Coefficient (ppl_const_Coefficient_t x)
  Prints `x` *to* `stdout`*.*

- int ppl_io_fprint_Coefficient (FILE *stream, ppl_const_Coefficient_t x)
  Prints `x` *to the given output* `stream`*.*

- int ppl_io_asprint_Coefficient (char **strp, ppl_const_Coefficient_t x)
  Prints `x` *to a malloc-allocated string, a pointer to which is returned via* `strp`*.*

7.12.1 Detailed Description

Types and functions for coefficients. The types and functions for coefficients provide an interface towards *Coefficient*. Depending on configuration, the PPL coefficients may be implemented by the unbounded precision integers provided by GMP (default), or by bounded precision integers (with checks for overflows).

The documentation for this interface was generated from the following file:

- ppl_c.h

7.13 ppl_Congruence_System_const_iterator_tag Interface Reference

Types and functions for iterating on congruence systems.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

Constructors, Assignment and Destructor

- int ppl_new_Congruence_System_const_iterator (ppl_Congruence_System_const_iterator_t *pcit)

  Builds a new 'const iterator' and writes a handle to it at address `pcit`.

- int ppl_new_Congruence_System_const_iterator_from_Congruence_System_const_iterator (ppl_Congruence_System_const_iterator_t *pcit, ppl_const_Congruence_System_const_iterator_t cit)

  Builds a const iterator that is a copy of `cit`*; writes a handle for the newly created const iterator at address* `pcit`.

- int ppl_assign_Congruence_System_const_iterator_from_Congruence_System_const_iterator (ppl_Congruence_System_const_iterator_t dst, ppl_const_Congruence_System_const_iterator_t src)

  Assigns a copy of the const iterator `src` *to* `dst`.

- int ppl_delete_Congruence_System_const_iterator (ppl_const_Congruence_System_const_iterator_t cit)

  Invalidates the handle `cit`*: this makes sure the corresponding resources will eventually be released.*

Dereferencing, Incrementing and Equality Testing

- int ppl_Congruence_System_const_iterator_dereference (ppl_const_Congruence_System_const_iterator_t cit, ppl_const_Congruence_t *pc)

  Dereference `cit` *writing a const handle to the resulting congruence at address* `pc`.

- int ppl_Congruence_System_const_iterator_increment (ppl_Congruence_System_const_iterator_t cit)

  Increment `cit` *so that it "points" to the next congruence.*

- int ppl_Congruence_System_const_iterator_equal_test (ppl_const_Congruence_System_const_iterator_t x, ppl_const_Congruence_System_const_iterator_t y)

  Returns a positive integer if the iterators corresponding to `x` *and* `y` *are equal; returns 0 if they are different.*

7.13.1 Detailed Description

Types and functions for iterating on congruence systems. The types and functions for congruence systems iterators provide read-only access to the elements of a congruence system by interfacing *Congruence_System::const_iterator*.

The documentation for this interface was generated from the following file:

- ppl_c.h

7.14 ppl_Congruence_System_tag Interface Reference

Types and functions for congruence systems.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

Constructors, Assignment and Destructor

- int ppl_new_Congruence_System (ppl_Congruence_System_t *pcs)
  Builds an empty system of congruences and writes a handle to it at address `pcs`.
- int ppl_new_Congruence_System_zero_dim_empty (ppl_Congruence_System_t *pcs)
  Builds a zero-dimensional, unsatisfiable congruence system and writes a handle to it at address `pcs`.
- int ppl_new_Congruence_System_from_Congruence (ppl_Congruence_System_t *pcs, ppl_const_Congruence_t c)
  Builds the singleton congruence system containing only a copy of congruence `c`; writes a handle for the newly created system at address `pcs`.
- int ppl_new_Congruence_System_from_Congruence_System (ppl_Congruence_System_t *pcs, ppl_const_Congruence_System_t cs)
  Builds a congruence system that is a copy of `cs`; writes a handle for the newly created system at address `pcs`.
- int ppl_assign_Congruence_System_from_Congruence_System (ppl_Congruence_System_t dst, ppl_const_Congruence_System_t src)
  Assigns a copy of the congruence system `src` to `dst`.
- int ppl_delete_Congruence_System (ppl_const_Congruence_System_t cs)
  Invalidates the handle `cs`: this makes sure the corresponding resources will eventually be released.

Functions that Do Not Modify the Congruence System

- int ppl_Congruence_System_space_dimension (ppl_const_Congruence_System_t cs, ppl_dimension_type *m)
  Writes to `m` the dimension of the vector space enclosing `cs`.
- int ppl_Congruence_System_empty (ppl_const_Congruence_System_t cs)
  Returns a positive integer if `cs` contains no (non-trivial) congruence; returns 0 otherwise.
- int ppl_Congruence_System_begin (ppl_const_Congruence_System_t cs, ppl_Congruence_System_const_iterator_t cit)
  Assigns to `cit` a const iterator "pointing" to the beginning of the congruence system `cs`.
- int ppl_Congruence_System_end (ppl_const_Congruence_System_t cs, ppl_Congruence_System_const_iterator_t cit)

Assigns to `cit` *a const iterator "pointing" past the end of the congruence system* `cs`.

- int ppl_Congruence_System_OK (ppl_const_Congruence_System_t cs)

  Returns a positive integer if `cs` *is well formed, i.e., if it satisfies all its implementation invariants; returns 0 and perhaps makes some noise if* `cs` *is broken. Useful for debugging purposes.*

Functions that May Modify the Congruence System

- int ppl_Congruence_System_clear (ppl_Congruence_System_t cs)

  Removes all the congruences from the congruence system `cs` *and sets its space dimension to 0.*

- int ppl_Congruence_System_insert_Congruence (ppl_Congruence_System_t cs, ppl_const_Congruence_t c)

  Inserts a copy of the congruence `c` *into* `cs`*; the space dimension is increased, if necessary.*

Input/Output Functions

- int ppl_io_print_Congruence_System (ppl_const_Congruence_System_t x)

  Prints `x` *to* `stdout`.

- int ppl_io_fprint_Congruence_System (FILE *stream, ppl_const_Congruence_System_t x)

  Prints `x` *to the given output* `stream`.

- int ppl_io_asprint_Congruence_System (char **strp, ppl_const_Congruence_System_t x)

  Prints `x` *to a malloc-allocated string, a pointer to which is returned via* `strp`.

- int ppl_Congruence_System_ascii_dump (ppl_const_Congruence_System_t x, FILE *stream)

  Dumps an ascii representation of `x` *on* `stream`.

- int ppl_Congruence_System_ascii_load (ppl_Congruence_System_t x, FILE *stream)

  Loads an ascii representation of `x` *from* `stream`.

7.14.1 Detailed Description

Types and functions for congruence systems. The types and functions for congruence systems provide an interface towards *Congruence_System*.

The documentation for this interface was generated from the following file:

- ppl_c.h

7.15 ppl_Congruence_tag Interface Reference

Types and functions for congruences.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

Constructors, Assignment and Destructor

- int ppl_new_Congruence (ppl_Congruence_t *pc, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t m)

  Creates the new congruence $le = 0 \pmod{m}$ *and writes a handle for it at address* `pc`*. The space dimension of the new congruence is equal to the space dimension of* `le`*.*

- int ppl_new_Congruence_zero_dim_false (ppl_Congruence_t *pc)

  Creates the unsatisfiable (zero-dimension space) congruence $0 = 1 \pmod{0}$ *and writes a handle for it at address* `pc`*.*

- int ppl_new_Congruence_zero_dim_integrality (ppl_Congruence_t *pc)

  Creates the true (zero-dimension space) congruence $0 = 1 \pmod{1}$*, also known as integrality congruence. A handle for the newly created congruence is written at address* `pc`*.*

- int ppl_new_Congruence_from_Congruence (ppl_Congruence_t *pc, ppl_const_Congruence_t c)

  Builds a congruence that is a copy of `c`*; writes a handle for the newly created congruence at address* `pc`*.*

- int ppl_assign_Congruence_from_Congruence (ppl_Congruence_t dst, ppl_const_Congruence_t src)

  Assigns a copy of the congruence `src` *to* `dst`*.*

- int ppl_delete_Congruence (ppl_const_Congruence_t c)

  Invalidates the handle `c`*: this makes sure the corresponding resources will eventually be released.*

Functions that Do Not Modify the Congruence

- int ppl_Congruence_space_dimension (ppl_const_Congruence_t c, ppl_dimension_type *m)

  Writes to `m` *the space dimension of* `c`*.*

- int ppl_Congruence_coefficient (ppl_const_Congruence_t c, ppl_dimension_type var, ppl_Coefficient_t n)

  Copies into `n` *the coefficient of variable* `var` *in congruence* `c`*.*

- int ppl_Congruence_inhomogeneous_term (ppl_const_Congruence_t c, ppl_Coefficient_t n)

  Copies into `n` *the inhomogeneous term of congruence* `c`*.*

- int ppl_Congruence_modulus (ppl_const_Congruence_t c, ppl_Coefficient_t m)

  Copies into `m` *the modulus of congruence* `c`*.*

- int ppl_Congruence_OK (ppl_const_Congruence_t c)

  Returns a positive integer if `c` *is well formed, i.e., if it satisfies all its implementation invariants; returns 0 and perhaps makes some noise if* `c` *is broken. Useful for debugging purposes.*

Input/Output Functions

- int ppl_io_print_Congruence (ppl_const_Congruence_t x)
  Prints `x` to `stdout`.
- int ppl_io_fprint_Congruence (FILE *stream, ppl_const_Congruence_t x)
  Prints `x` to the given output `stream`.
- int ppl_io_asprint_Congruence (char **strp, ppl_const_Congruence_t x)
  Prints `x` to a malloc-allocated string, a pointer to which is returned via `strp`.
- int ppl_Congruence_ascii_dump (ppl_const_Congruence_t x, FILE *stream)
  Dumps an ascii representation of `x` on `stream`.
- int ppl_Congruence_ascii_load (ppl_Congruence_t x, FILE *stream)
  Loads an ascii representation of `x` from `stream`.

7.15.1 Detailed Description

Types and functions for congruences. The types and functions for congruences provide an interface towards *Congruence*.

The documentation for this interface was generated from the following file:

- ppl_c.h

7.16 ppl_Constraint_System_const_iterator_tag Interface Reference

Types and functions for iterating on constraint systems.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

Constructors, Assignment and Destructor

- int ppl_new_Constraint_System_const_iterator (ppl_Constraint_System_const_iterator_t *pcit)
  Builds a new 'const iterator' and writes a handle to it at address `pcit`.
- int ppl_new_Constraint_System_const_iterator_from_Constraint_System_const_iterator (ppl_Constraint_System_const_iterator_t *pcit, ppl_const_Constraint_System_const_iterator_t cit)
  Builds a const iterator that is a copy of `cit`; writes a handle for the newly created const iterator at address `pcit`.
- int ppl_assign_Constraint_System_const_iterator_from_Constraint_System_const_iterator (ppl_Constraint_System_const_iterator_t dst, ppl_const_Constraint_System_const_iterator_t src)
  Assigns a copy of the const iterator `src` to `dst`.
- int ppl_delete_Constraint_System_const_iterator (ppl_const_Constraint_System_const_iterator_t cit)
  Invalidates the handle `cit`: this makes sure the corresponding resources will eventually be released.

Dereferencing, Incrementing and Equality Testing

- int ppl_Constraint_System_const_iterator_dereference (ppl_const_Constraint_System_const_iterator_t cit, ppl_const_Constraint_t *pc)

  Dereference `cit` writing a const handle to the resulting constraint at address `pc`.

- int ppl_Constraint_System_const_iterator_increment (ppl_Constraint_System_const_iterator_t cit)

  Increment `cit` so that it "points" to the next constraint.

- int ppl_Constraint_System_const_iterator_equal_test (ppl_const_Constraint_System_const_iterator_t x, ppl_const_Constraint_System_const_iterator_t y)

  Returns a positive integer if the iterators corresponding to `x` and `y` are equal; returns 0 if they are different.

7.16.1 Detailed Description

Types and functions for iterating on constraint systems. The types and functions for constraint systems iterators provide read-only access to the elements of a constraint system by interfacing *Constraint_System::const_iterator*.

The documentation for this interface was generated from the following file:

- ppl_c.h

7.17 ppl_Constraint_System_tag Interface Reference

Types and functions for constraint systems.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

Constructors, Assignment and Destructor

- int ppl_new_Constraint_System (ppl_Constraint_System_t *pcs)

  Builds an empty system of constraints and writes a handle to it at address `pcs`.

- int ppl_new_Constraint_System_zero_dim_empty (ppl_Constraint_System_t *pcs)

  Builds a zero-dimensional, unsatisfiable constraint system and writes a handle to it at address `pcs`.

- int ppl_new_Constraint_System_from_Constraint (ppl_Constraint_System_t *pcs, ppl_const_Constraint_t c)

  Builds the singleton constraint system containing only a copy of constraint `c`; writes a handle for the newly created system at address `pcs`.

- int ppl_new_Constraint_System_from_Constraint_System (ppl_Constraint_System_t *pcs, ppl_const_Constraint_System_t cs)

Builds a constraint system that is a copy of `cs`*; writes a handle for the newly created system at address* `pcs`*.*

- int ppl_assign_Constraint_System_from_Constraint_System (ppl_Constraint_System_t dst, ppl_const_Constraint_System_t src)

  Assigns a copy of the constraint system `src` *to* `dst`*.*

- int ppl_delete_Constraint_System (ppl_const_Constraint_System_t cs)

  Invalidates the handle `cs`*: this makes sure the corresponding resources will eventually be released.*

Functions that Do Not Modify the Constraint System

- int ppl_Constraint_System_space_dimension (ppl_const_Constraint_System_t cs, ppl_dimension_type *m)

  Writes to `m` *the dimension of the vector space enclosing* `cs`*.*

- int ppl_Constraint_System_empty (ppl_const_Constraint_System_t cs)

  Returns a positive integer if `cs` *contains no (non-trivial) constraint; returns 0 otherwise.*

- int ppl_Constraint_System_has_strict_inequalities (ppl_const_Constraint_System_t cs)

  Returns a positive integer if `cs` *contains any (non-trivial) strict inequality; returns 0 otherwise.*

- int ppl_Constraint_System_begin (ppl_const_Constraint_System_t cs, ppl_Constraint_System_const_iterator_t cit)

  Assigns to `cit` *a const iterator "pointing" to the beginning of the constraint system* `cs`*.*

- int ppl_Constraint_System_end (ppl_const_Constraint_System_t cs, ppl_Constraint_System_const_iterator_t cit)

  Assigns to `cit` *a const iterator "pointing" past the end of the constraint system* `cs`*.*

- int ppl_Constraint_System_OK (ppl_const_Constraint_System_t cs)

  Returns a positive integer if `cs` *is well formed, i.e., if it satisfies all its implementation invariants; returns 0 and perhaps makes some noise if* `cs` *is broken. Useful for debugging purposes.*

Functions that May Modify the Constraint System

- int ppl_Constraint_System_clear (ppl_Constraint_System_t cs)

  Removes all the constraints from the constraint system `cs` *and sets its space dimension to 0.*

- int ppl_Constraint_System_insert_Constraint (ppl_Constraint_System_t cs, ppl_const_Constraint_t c)

  Inserts a copy of the constraint `c` *into* `cs`*; the space dimension is increased, if necessary.*

Input/Output Functions

- int ppl_io_print_Constraint_System (ppl_const_Constraint_System_t x)

  Prints `x` *to* `stdout`*.*

- int ppl_io_fprint_Constraint_System (FILE *stream, ppl_const_Constraint_System_t x)

  Prints `x` *to the given output* `stream`*.*

- int ppl_io_asprint_Constraint_System (char **strp, ppl_const_Constraint_System_t x)
  Prints `x` to a malloc-allocated string, a pointer to which is returned via `strp`.
- int ppl_Constraint_System_ascii_dump (ppl_const_Constraint_System_t x, FILE *stream)
  Dumps an ascii representation of `x` on `stream`.
- int ppl_Constraint_System_ascii_load (ppl_Constraint_System_t x, FILE *stream)
  Loads an ascii representation of `x` from `stream`.

7.17.1 Detailed Description

Types and functions for constraint systems. The types and functions for constraint systems provide an interface towards *Constraint_System*.

The documentation for this interface was generated from the following file:

- ppl_c.h

7.18 ppl_Constraint_tag Interface Reference

Types and functions for constraints.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

Constructors, Assignment and Destructor

- int ppl_new_Constraint (ppl_Constraint_t *pc, ppl_const_Linear_Expression_t le, enum ppl_enum_Constraint_Type rel)
  Creates the new constraint '`le rel 0`' and writes a handle for it at address `pc`. The space dimension of the new constraint is equal to the space dimension of `le`.
- int ppl_new_Constraint_zero_dim_false (ppl_Constraint_t *pc)
  Creates the unsatisfiable (zero-dimension space) constraint $0 = 1$ and writes a handle for it at address `pc`.
- int ppl_new_Constraint_zero_dim_positivity (ppl_Constraint_t *pc)
  Creates the true (zero-dimension space) constraint $0 \leq 1$, also known as positivity constraint. A handle for the newly created constraint is written at address `pc`.
- int ppl_new_Constraint_from_Constraint (ppl_Constraint_t *pc, ppl_const_Constraint_t c)
  Builds a constraint that is a copy of `c`; writes a handle for the newly created constraint at address `pc`.
- int ppl_assign_Constraint_from_Constraint (ppl_Constraint_t dst, ppl_const_Constraint_t src)
  Assigns a copy of the constraint `src` to `dst`.
- int ppl_delete_Constraint (ppl_const_Constraint_t c)
  Invalidates the handle `c`: this makes sure the corresponding resources will eventually be released.

Functions that Do Not Modify the Constraint

- int ppl_Constraint_space_dimension (ppl_const_Constraint_t c, ppl_dimension_type *m)
  Writes to `m` the space dimension of `c`.
- int ppl_Constraint_type (ppl_const_Constraint_t c)
  Returns the type of constraint `c`.
- int ppl_Constraint_coefficient (ppl_const_Constraint_t c, ppl_dimension_type var, ppl_Coefficient_t n)
  Copies into `n` the coefficient of variable `var` in constraint `c`.
- int ppl_Constraint_inhomogeneous_term (ppl_const_Constraint_t c, ppl_Coefficient_t n)
  Copies into `n` the inhomogeneous term of constraint `c`.
- int ppl_Constraint_OK (ppl_const_Constraint_t c)
  Returns a positive integer if `c` is well formed, i.e., if it satisfies all its implementation invariants; returns 0 and perhaps makes some noise if `c` is broken. Useful for debugging purposes.

Input/Output Functions

- int ppl_io_print_Constraint (ppl_const_Constraint_t x)
  Prints `x` to `stdout`.
- int ppl_io_fprint_Constraint (FILE *stream, ppl_const_Constraint_t x)
  Prints `x` to the given output `stream`.
- int ppl_io_asprint_Constraint (char **strp, ppl_const_Constraint_t x)
  Prints `x` to a malloc-allocated string, a pointer to which is returned via `strp`.
- int ppl_Constraint_ascii_dump (ppl_const_Constraint_t x, FILE *stream)
  Dumps an ascii representation of `x` on `stream`.
- int ppl_Constraint_ascii_load (ppl_Constraint_t x, FILE *stream)
  Loads an ascii representation of `x` from `stream`.

7.18.1 Detailed Description

Types and functions for constraints. The types and functions for constraints provide an interface towards *Constraint*.

The documentation for this interface was generated from the following file:

- ppl_c.h

7.19 ppl_Constraints_Product_C_Polyhedron_Grid_tag Interface Reference

Types and functions for ppl_Constraints_Product_C_Polyhedron_Grid_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Constraints_Product_C_Polyhedron_Grid (ppl_const_Constraints_Product_C_Polyhedron_Grid_t ph)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_space_dimension (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Int8_Box (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Int8_Box_t ph)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Int16_Box (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Int32_Box (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Int64_Box (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Uint8_Box (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Uint16_Box (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Uint16_Box_t ph)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Uint32_Box (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Uint64_Box (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Z_Box (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Z_Box_t ph)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Rational_Box (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_BD_Shape_int8_t (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_BD_Shape_int16_t (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_BD_Shape_int32_t (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_BD_Shape_int64_t (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_BD_Shape_mpz_class (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_BD_Shape_mpq_class (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Octagonal_Shape_int8_t (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Octagonal_Shape_int16_t (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Octagonal_Shape_int32_t (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Octagonal_Shape_int64_t (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Octagonal_Shape_mpz_class (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Octagonal_Shape_mpq_class (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)

- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_C_Polyhedron (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_NNC_Polyhedron (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Grid (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Grid_t ph)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Float_Box (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_BD_Shape_float (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_BD_Shape_float_t ph)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Octagonal_Shape_float (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Double_Box (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Double_Box_t ph)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_BD_Shape_double (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_BD_Shape_double_t ph)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Octagonal_Shape_double (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Long_Double_Box (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Long_Double_Box_t ph)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_BD_Shape_long_double (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Octagonal_Shape_long_double (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Constraints_Product_C_Polyhedron_Grid (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Constraints_Product_C_Polyhedron_Grid_t ph)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Int8_Box_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Int8_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Int16_Box_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Int32_Box_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Int64_Box_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Uint8_Box_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Uint16_Box_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Uint32_Box_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Uint32_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Uint64_Box_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Z_Box_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Rational_Box_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_BD_Shape_int8_t_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)

- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_BD_Shape_int16_t_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_BD_Shape_int32_t_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_BD_Shape_int64_t_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_BD_Shape_mpz_class_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_BD_Shape_mpq_class_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Octagonal_Shape_int8_t_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Octagonal_Shape_int16_t_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Octagonal_Shape_int32_t_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Octagonal_Shape_int64_t_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_C_Polyhedron_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_NNC_Polyhedron_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Grid_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Float_Box_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_BD_Shape_float_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Octagonal_Shape_float_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Double_Box_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_BD_Shape_double_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)

- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Octagonal_Shape_double_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Long_Double_Box_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_BD_Shape_long_double_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Octagonal_Shape_long_double_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Constraints_Product_C_Polyhedron_Grid_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Constraints_Product_C_Polyhedron_Grid_t ph, int complexity)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Constraint_System (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Congruence_System (ppl_Constraints_Product_C_Polyhedron_Grid_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Constraints_Product_C_Polyhedron_Grid_space_dimension (ppl_const_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_dimension_type *m)
- int ppl_Constraints_Product_C_Polyhedron_Grid_affine_dimension (ppl_const_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_dimension_type *m)
- int ppl_Constraints_Product_C_Polyhedron_Grid_relation_with_Constraint (ppl_const_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_const_Constraint_t c)
- int ppl_Constraints_Product_C_Polyhedron_Grid_relation_with_Generator (ppl_const_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_const_Generator_t c)
- int ppl_Constraints_Product_C_Polyhedron_Grid_relation_with_Congruence (ppl_const_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_const_Congruence_t c)
- int ppl_Constraints_Product_C_Polyhedron_Grid_is_empty (ppl_const_Constraints_Product_C_Polyhedron_Grid_t ph)
- int ppl_Constraints_Product_C_Polyhedron_Grid_is_universe (ppl_const_Constraints_Product_C_Polyhedron_Grid_t ph)
- int ppl_Constraints_Product_C_Polyhedron_Grid_is_bounded (ppl_const_Constraints_Product_C_Polyhedron_Grid_t ph)
- int ppl_Constraints_Product_C_Polyhedron_Grid_is_topologically_closed (ppl_const_Constraints_Product_C_Polyhedron_Grid_t ph)
- int ppl_Constraints_Product_C_Polyhedron_Grid_is_discrete (ppl_const_Constraints_Product_C_Polyhedron_Grid_t ph)
- int ppl_Constraints_Product_C_Polyhedron_Grid_topological_closure_assign (ppl_Constraints_Product_C_Polyhedron_Grid_t ph)
- int ppl_Constraints_Product_C_Polyhedron_Grid_bounds_from_above (ppl_const_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Constraints_Product_C_Polyhedron_Grid_bounds_from_below (ppl_const_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Constraints_Product_C_Polyhedron_Grid_maximize (ppl_const_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Constraints_Product_C_Polyhedron_Grid_minimize (ppl_const_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)

- int ppl_Constraints_Product_C_Polyhedron_Grid_maximize_with_point (ppl_const_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Constraints_Product_C_Polyhedron_Grid_minimize_with_point (ppl_const_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Constraints_Product_C_Polyhedron_Grid_contains_Constraints_Product_C_Polyhedron_Grid (ppl_const_Constraints_Product_C_Polyhedron_Grid_t x, ppl_const_Constraints_Product_C_Polyhedron_Grid_t y)
- int ppl_Constraints_Product_C_Polyhedron_Grid_strictly_contains_Constraints_Product_C_Polyhedron_Grid (ppl_const_Constraints_Product_C_Polyhedron_Grid_t x, ppl_const_Constraints_Product_C_Polyhedron_Grid_t y)
- int ppl_Constraints_Product_C_Polyhedron_Grid_is_disjoint_from_Constraints_Product_C_Polyhedron_Grid (ppl_const_Constraints_Product_C_Polyhedron_Grid_t x, ppl_const_Constraints_Product_C_Polyhedron_Grid_t y)
- int ppl_Constraints_Product_C_Polyhedron_Grid_equals_Constraints_Product_C_Polyhedron_Grid (ppl_const_Constraints_Product_C_Polyhedron_Grid_t x, ppl_const_Constraints_Product_C_Polyhedron_Grid_t y)
- int ppl_Constraints_Product_C_Polyhedron_Grid_OK (ppl_const_Constraints_Product_C_Polyhedron_Grid_t ph)
- int ppl_Constraints_Product_C_Polyhedron_Grid_add_constraint (ppl_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_const_Constraint_t c)
- int ppl_Constraints_Product_C_Polyhedron_Grid_add_congruence (ppl_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_const_Congruence_t c)
- int ppl_Constraints_Product_C_Polyhedron_Grid_add_constraints (ppl_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Constraints_Product_C_Polyhedron_Grid_add_congruences (ppl_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Constraints_Product_C_Polyhedron_Grid_refine_with_constraint (ppl_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_const_Constraint_t c)
- int ppl_Constraints_Product_C_Polyhedron_Grid_refine_with_congruence (ppl_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_const_Congruence_t c)
- int ppl_Constraints_Product_C_Polyhedron_Grid_refine_with_constraints (ppl_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Constraints_Product_C_Polyhedron_Grid_refine_with_congruences (ppl_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Constraints_Product_C_Polyhedron_Grid_intersection_assign (ppl_Constraints_Product_C_Polyhedron_Grid_t x, ppl_const_Constraints_Product_C_Polyhedron_Grid_t y)
- int ppl_Constraints_Product_C_Polyhedron_Grid_upper_bound_assign (ppl_Constraints_Product_C_Polyhedron_Grid_t x, ppl_const_Constraints_Product_C_Polyhedron_Grid_t y)
- int ppl_Constraints_Product_C_Polyhedron_Grid_difference_assign (ppl_Constraints_Product_C_Polyhedron_Grid_t x, ppl_const_Constraints_Product_C_Polyhedron_Grid_t y)
- int ppl_Constraints_Product_C_Polyhedron_Grid_concatenate_assign (ppl_Constraints_Product_C_Polyhedron_Grid_t x, ppl_const_Constraints_Product_C_Polyhedron_Grid_t y)
- int ppl_Constraints_Product_C_Polyhedron_Grid_time_elapse_assign (ppl_Constraints_Product_C_Polyhedron_Grid_t x, ppl_const_Constraints_Product_C_Polyhedron_Grid_t y)
- int ppl_Constraints_Product_C_Polyhedron_Grid_upper_bound_assign_if_exact (ppl_Constraints_Product_C_Polyhedron_Grid_t x, ppl_const_Constraints_Product_C_Polyhedron_Grid_t y)
- int ppl_Constraints_Product_C_Polyhedron_Grid_constrains (ppl_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_dimension_type var)

- int ppl_Constraints_Product_C_Polyhedron_Grid_unconstrain_space_dimension (ppl_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_dimension_type var)
- int ppl_Constraints_Product_C_Polyhedron_Grid_unconstrain_space_dimensions (ppl_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Constraints_Product_C_Polyhedron_Grid_affine_image (ppl_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Constraints_Product_C_Polyhedron_Grid_affine_preimage (ppl_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Constraints_Product_C_Polyhedron_Grid_bounded_affine_image (ppl_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Constraints_Product_C_Polyhedron_Grid_bounded_affine_preimage (ppl_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Constraints_Product_C_Polyhedron_Grid_generalized_affine_image (ppl_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Constraints_Product_C_Polyhedron_Grid_generalized_affine_preimage (ppl_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Constraints_Product_C_Polyhedron_Grid_generalized_affine_image_lhs_rhs (ppl_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Constraints_Product_C_Polyhedron_Grid_generalized_affine_preimage_lhs_rhs (ppl_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Constraints_Product_C_Polyhedron_Grid_add_space_dimensions_and_embed (ppl_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_dimension_type d)
- int ppl_Constraints_Product_C_Polyhedron_Grid_add_space_dimensions_and_project (ppl_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_dimension_type d)
- int ppl_Constraints_Product_C_Polyhedron_Grid_remove_space_dimensions (ppl_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Constraints_Product_C_Polyhedron_Grid_remove_higher_space_dimensions (ppl_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_dimension_type d)
- int ppl_Constraints_Product_C_Polyhedron_Grid_expand_space_dimension (ppl_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Constraints_Product_C_Polyhedron_Grid_fold_space_dimensions (ppl_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Constraints_Product_C_Polyhedron_Grid_map_space_dimensions (ppl_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Constraints_Product_C_Polyhedron_Grid_drop_some_non_integer_points (ppl_Constraints_Product_C_Polyhedron_Grid_t ph, int complexity)
- int ppl_Constraints_Product_C_Polyhedron_Grid_drop_some_non_integer_points_2 (ppl_Constraints_Product_C_Polyhedron_Grid_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Constraints_Product_C_Polyhedron_Grid_external_memory_in_bytes (ppl_const_Constraints_Product_C_Polyhedron_Grid_t ps, size_t *sz)
- int ppl_Constraints_Product_C_Polyhedron_Grid_total_memory_in_bytes (ppl_const_Constraints_Product_C_Polyhedron_Grid_t ps, size_t *sz)

- int ppl_Constraints_Product_C_Polyhedron_Grid_widening_assign_with_tokens (ppl_Constraints_Product_C_Polyhedron_Grid_t x, ppl_const_Constraints_Product_C_Polyhedron_Grid_t y, unsigned *tp)
- int ppl_Constraints_Product_C_Polyhedron_Grid_widening_assign (ppl_Constraints_Product_C_Polyhedron_Grid_t x, ppl_const_Constraints_Product_C_Polyhedron_Grid_t y)
- int ppl_io_print_Constraints_Product_C_Polyhedron_Grid (ppl_const_Constraints_Product_C_Polyhedron_Grid_t x)
- int ppl_io_fprint_Constraints_Product_C_Polyhedron_Grid (FILE *stream, ppl_const_Constraints_Product_C_Polyhedron_Grid_t x)
- int ppl_io_asprint_Constraints_Product_C_Polyhedron_Grid (char **strp, ppl_const_Constraints_Product_C_Polyhedron_Grid_t x)
- int ppl_Constraints_Product_C_Polyhedron_Grid_ascii_dump (ppl_const_Constraints_Product_C_Polyhedron_Grid_t x, FILE *stream)
- int ppl_Constraints_Product_C_Polyhedron_Grid_ascii_load (ppl_Constraints_Product_C_Polyhedron_Grid_t x, FILE *stream)

7.19.1 Detailed Description

Types and functions for ppl_Constraints_Product_C_Polyhedron_Grid_tag.

7.19.2 Friends And Related Function Documentation

7.19.2.1 int ppl_delete_Constraints_Product_C_Polyhedron_Grid (ppl_const_Constraints_Product_C_Polyhedron_Grid_t *ph*) [related]

7.19.2.2 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_space_dimension (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.19.2.3 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Int8_Box (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.19.2.4 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Int16_Box (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.19.2.5 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Int32_Box (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.19.2.6 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Int64_Box (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.19.2.7 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Uint8_Box (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.19.2.8 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Uint16_Box (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.19.2.9 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Uint32_Box (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.19.2.10 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Uint64_Box (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.19.2.11 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Z_Box (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.19.2.12 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Rational_Box (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.19.2.13 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_BD_Shape_int8_t (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.19.2.14 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_BD_Shape_int16_t (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.19.2.15 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_BD_Shape_int32_t (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.19.2.16 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_BD_Shape_int64_t (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.19.2.17 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_BD_Shape_mpz_class (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.19.2.18 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_BD_Shape_mpq_class (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.19.2.19 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Octagonal_Shape_int8_t (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.19.2.20 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Octagonal_Shape_int16_t (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.19.2.21 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Octagonal_Shape_int32_t (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.19.2.22 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Octagonal_-Shape_int64_t (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.19.2.23 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Octagonal_-Shape_mpz_class (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.19.2.24 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Octagonal_-Shape_mpq_class (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.19.2.25 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_C_Polyhedron (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.19.2.26 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_NNC_Polyhedron (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.19.2.27 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Grid (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.19.2.28 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Float_Box (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.19.2.29 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_BD_Shape_float (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.19.2.30 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Octagonal_-Shape_float (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.19.2.31 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Double_Box (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.19.2.32 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_BD_Shape_double (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.19.2.33 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Octagonal_-Shape_double (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.19.2.34 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Long_Double_Box (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.19.2.35 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_BD_Shape_-long_double (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.19.2.36 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Octagonal_-Shape_long_double (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.19.2.37 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Constraints_Product_-C_Polyhedron_Grid (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Constraints_Product_C_Polyhedron_Grid_t *ph*) [related]

7.19.2.38 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Int8_Box_-with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.19.2.39 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Int16_Box_-with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.19.2.40 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Int32_Box_-with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.19.2.41 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Int64_Box_-with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.19.2.42 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Uint8_Box_-with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.19.2.43 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Uint16_Box_-with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.19.2.44 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Uint32_Box_-with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.19.2.45 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Uint64_Box_-with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.19.2.46 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Z_Box_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.19.2.47 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Rational_Box_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.19.2.48 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_BD_Shape_int8_t_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.19.2.49 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_BD_Shape_int16_t_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.19.2.50 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_BD_Shape_int32_t_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.19.2.51 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_BD_Shape_int64_t_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.19.2.52 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_BD_Shape_mpz_class_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.19.2.53 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_BD_Shape_mpq_class_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.19.2.54 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Octagonal_Shape_int8_t_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.19.2.55 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Octagonal_Shape_int16_t_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.19.2.56 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Octagonal_Shape_int32_t_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.19.2.57 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Octagonal_Shape_int64_t_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.19.2.58 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.19.2.59 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.19.2.60 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_C_Polyhedron_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.19.2.61 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_NNC_Polyhedron_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.19.2.62 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Grid_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.19.2.63 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Float_Box_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.19.2.64 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_BD_Shape_float_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.19.2.65 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Octagonal_Shape_float_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.19.2.66 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Double_Box_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.19.2.67 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_BD_Shape_double_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.19.2.68 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Octagonal_Shape_double_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.19.2.69 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Long_Double_Box_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.19.2.70 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_BD_Shape_long_double_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.19.2.71 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Octagonal_Shape_long_double_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.19.2.72 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Constraints_Product_C_Polyhedron_Grid_with_complexity (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Constraints_Product_C_Polyhedron_Grid_t *ph*, int *complexity*) [related]

7.19.2.73 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Constraint_System (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.19.2.74 int ppl_new_Constraints_Product_C_Polyhedron_Grid_from_Congruence_System (ppl_Constraints_Product_C_Polyhedron_Grid_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.19.2.75 int ppl_Constraints_Product_C_Polyhedron_Grid_space_dimension (ppl_const_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_dimension_type * *m*) [related]

7.19.2.76 int ppl_Constraints_Product_C_Polyhedron_Grid_affine_dimension (ppl_const_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_dimension_type * *m*) [related]

7.19.2.77 int ppl_Constraints_Product_C_Polyhedron_Grid_relation_with_Constraint (ppl_const_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_const_Constraint_t *c*) [related]

7.19.2.78 int ppl_Constraints_Product_C_Polyhedron_Grid_relation_with_Generator (ppl_const_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_const_Generator_t *c*) [related]

7.19.2.79 int ppl_Constraints_Product_C_Polyhedron_Grid_relation_with_Congruence (ppl_const_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_const_Congruence_t *c*) [related]

7.19.2.80 int ppl_Constraints_Product_C_Polyhedron_Grid_is_empty (ppl_const_Constraints_Product_C_Polyhedron_Grid_t *ph*) [related]

7.19.2.81 int ppl_Constraints_Product_C_Polyhedron_Grid_is_universe (ppl_const_Constraints_Product_C_Polyhedron_Grid_t *ph*) [related]

7.19.2.82 int ppl_Constraints_Product_C_Polyhedron_Grid_is_bounded (ppl_const_Constraints_Product_C_Polyhedron_Grid_t *ph*) [related]

7.19.2.83 int ppl_Constraints_Product_C_Polyhedron_Grid_is_topologically_closed (ppl_const_Constraints_Product_C_Polyhedron_Grid_t *ph*) [related]

7.19.2.84 int ppl_Constraints_Product_C_Polyhedron_Grid_is_discrete (ppl_const_Constraints_Product_C_Polyhedron_Grid_t *ph*) [related]

7.19.2.85 int ppl_Constraints_Product_C_Polyhedron_Grid_topological_closure_assign (ppl_Constraints_Product_C_Polyhedron_Grid_t *ph*) [related]

7.19.2.86 int ppl_Constraints_Product_C_Polyhedron_Grid_bounds_from_above (ppl_const_-Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.19.2.87 int ppl_Constraints_Product_C_Polyhedron_Grid_bounds_from_below (ppl_const_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.19.2.88 int ppl_Constraints_Product_C_Polyhedron_Grid_maximize (ppl_const_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.19.2.89 int ppl_Constraints_Product_C_Polyhedron_Grid_minimize (ppl_const_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.19.2.90 int ppl_Constraints_Product_C_Polyhedron_Grid_maximize_with_point (ppl_const_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.19.2.91 int ppl_Constraints_Product_C_Polyhedron_Grid_minimize_with_point (ppl_const_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.19.2.92 int ppl_Constraints_Product_C_Polyhedron_Grid_contains_Constraints_Product_C_Polyhedron_Grid (ppl_const_Constraints_Product_C_Polyhedron_Grid_t *x*, ppl_const_Constraints_Product_C_Polyhedron_Grid_t *y*) [related]

7.19.2.93 int ppl_Constraints_Product_C_Polyhedron_Grid_strictly_contains_Constraints_Product_C_Polyhedron_Grid (ppl_const_Constraints_Product_C_Polyhedron_Grid_t *x*, ppl_const_Constraints_Product_C_Polyhedron_Grid_t *y*) [related]

7.19.2.94 int ppl_Constraints_Product_C_Polyhedron_Grid_is_disjoint_from_Constraints_Product_C_Polyhedron_Grid (ppl_const_Constraints_Product_C_Polyhedron_Grid_t *x*, ppl_const_Constraints_Product_C_Polyhedron_Grid_t *y*) [related]

7.19.2.95 int ppl_Constraints_Product_C_Polyhedron_Grid_equals_Constraints_Product_C_Polyhedron_Grid (ppl_const_Constraints_Product_C_Polyhedron_Grid_t *x*, ppl_const_Constraints_Product_C_Polyhedron_Grid_t *y*) [related]

7.19.2.96 int ppl_Constraints_Product_C_Polyhedron_Grid_OK (ppl_const_Constraints_Product_C_Polyhedron_Grid_t *ph*) [related]

7.19.2.97 int ppl_Constraints_Product_C_Polyhedron_Grid_add_constraint (ppl_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_const_Constraint_t *c*) [related]

7.19.2.98 int ppl_Constraints_Product_C_Polyhedron_Grid_add_congruence (ppl_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_const_Congruence_t *c*) [related]

7.19.2.99 int ppl_Constraints_Product_C_Polyhedron_Grid_add_constraints (ppl_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.19.2.100 int ppl_Constraints_Product_C_Polyhedron_Grid_add_congruences (ppl_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.19.2.101 int ppl_Constraints_Product_C_Polyhedron_Grid_refine_with_constraint (ppl_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_const_Constraint_t *c*) [related]

7.19.2.102 int ppl_Constraints_Product_C_Polyhedron_Grid_refine_with_congruence (ppl_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_const_Congruence_t *c*) [related]

7.19.2.103 int ppl_Constraints_Product_C_Polyhedron_Grid_refine_with_constraints (ppl_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.19.2.104 int ppl_Constraints_Product_C_Polyhedron_Grid_refine_with_congruences (ppl_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.19.2.105 int ppl_Constraints_Product_C_Polyhedron_Grid_intersection_assign (ppl_Constraints_Product_C_Polyhedron_Grid_t *x*, ppl_const_Constraints_Product_C_Polyhedron_Grid_t *y*) [related]

7.19.2.106 int ppl_Constraints_Product_C_Polyhedron_Grid_upper_bound_assign (ppl_Constraints_Product_C_Polyhedron_Grid_t *x*, ppl_const_Constraints_Product_C_Polyhedron_Grid_t *y*) [related]

7.19.2.107 int ppl_Constraints_Product_C_Polyhedron_Grid_difference_assign (ppl_Constraints_Product_C_Polyhedron_Grid_t *x*, ppl_const_Constraints_Product_C_Polyhedron_Grid_t *y*) [related]

7.19.2.108 int ppl_Constraints_Product_C_Polyhedron_Grid_concatenate_assign (ppl_Constraints_Product_C_Polyhedron_Grid_t *x*, ppl_const_Constraints_Product_C_Polyhedron_Grid_t *y*) [related]

7.19.2.109 int ppl_Constraints_Product_C_Polyhedron_Grid_time_elapse_assign (ppl_Constraints_Product_C_Polyhedron_Grid_t *x*, ppl_const_Constraints_Product_C_Polyhedron_Grid_t *y*) [related]

7.19.2.110 int ppl_Constraints_Product_C_Polyhedron_Grid_upper_bound_assign_if_exact (ppl_Constraints_Product_C_Polyhedron_Grid_t *x*, ppl_const_Constraints_Product_C_Polyhedron_Grid_t *y*) [related]

7.19.2.111 int ppl_Constraints_Product_C_Polyhedron_Grid_constrains (ppl_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_dimension_type *var*) [related]

7.19.2.112 int ppl_Constraints_Product_C_Polyhedron_Grid_unconstrain_space_dimension (ppl_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_dimension_type *var*) [related]

7.19.2.113 int ppl_Constraints_Product_C_Polyhedron_Grid_unconstrain_space_dimensions (ppl_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.19.2.114 int ppl_Constraints_Product_C_Polyhedron_Grid_affine_image (ppl_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.19.2.115 int ppl_Constraints_Product_C_Polyhedron_Grid_affine_preimage (ppl_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.19.2.116 int ppl_Constraints_Product_C_Polyhedron_Grid_bounded_affine_image (ppl_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.19.2.117 int ppl_Constraints_Product_C_Polyhedron_Grid_bounded_affine_preimage (ppl_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.19.2.118 int ppl_Constraints_Product_C_Polyhedron_Grid_generalized_affine_image (ppl_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.19.2.119 int ppl_Constraints_Product_C_Polyhedron_Grid_generalized_affine_preimage (ppl_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.19.2.120 int ppl_Constraints_Product_C_Polyhedron_Grid_generalized_affine_image_lhs_rhs (ppl_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.19.2.121 int ppl_Constraints_Product_C_Polyhedron_Grid_generalized_affine_preimage_lhs_rhs (ppl_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.19.2.122 int ppl_Constraints_Product_C_Polyhedron_Grid_add_space_dimensions_and_embed (ppl_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_dimension_type *d*) [related]

7.19.2.123 int ppl_Constraints_Product_C_Polyhedron_Grid_add_space_dimensions_and_project (ppl_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_dimension_type *d*) [related]

7.19.2.124 int ppl_Constraints_Product_C_Polyhedron_Grid_remove_space_dimensions (ppl_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.19.2.125 int ppl_Constraints_Product_C_Polyhedron_Grid_remove_higher_space_dimensions (ppl_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_dimension_type *d*) [related]

7.19.2.126 int ppl_Constraints_Product_C_Polyhedron_Grid_expand_space_dimension (ppl_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.19.2.127 int ppl_Constraints_Product_C_Polyhedron_Grid_fold_space_dimensions (ppl_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.19.2.128 int ppl_Constraints_Product_C_Polyhedron_Grid_map_space_dimensions (ppl_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.19.2.129 int ppl_Constraints_Product_C_Polyhedron_Grid_drop_some_non_integer_points (ppl_Constraints_Product_C_Polyhedron_Grid_t *ph*, int *complexity*) [related]

7.19.2.130 int ppl_Constraints_Product_C_Polyhedron_Grid_drop_some_non_integer_points_2 (ppl_Constraints_Product_C_Polyhedron_Grid_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.19.2.131 int ppl_Constraints_Product_C_Polyhedron_Grid_external_memory_in_bytes (ppl_const_Constraints_Product_C_Polyhedron_Grid_t *ps*, size_t * *sz*) [related]

7.19.2.132 int ppl_Constraints_Product_C_Polyhedron_Grid_total_memory_in_bytes (ppl_const_Constraints_Product_C_Polyhedron_Grid_t *ps*, size_t * *sz*) [related]

7.19.2.133 int ppl_Constraints_Product_C_Polyhedron_Grid_widening_assign_with_tokens (ppl_Constraints_Product_C_Polyhedron_Grid_t *x*, ppl_const_Constraints_Product_C_Polyhedron_Grid_t *y*, unsigned * *tp*) [related]

7.19.2.134 int ppl_Constraints_Product_C_Polyhedron_Grid_widening_assign (ppl_Constraints_Product_C_Polyhedron_Grid_t *x*, ppl_const_Constraints_Product_C_Polyhedron_Grid_t *y*) [related]

7.19.2.135 int ppl_io_print_Constraints_Product_C_Polyhedron_Grid (ppl_const_Constraints_Product_C_Polyhedron_Grid_t *x*) [related]

7.19.2.136 int ppl_io_fprint_Constraints_Product_C_Polyhedron_Grid (FILE * *stream*, ppl_const_Constraints_Product_C_Polyhedron_Grid_t *x*) [related]

7.19.2.137 int ppl_io_asprint_Constraints_Product_C_Polyhedron_Grid (char ** *strp*, ppl_const_Constraints_Product_C_Polyhedron_Grid_t *x*) [related]

7.19.2.138 int ppl_Constraints_Product_C_Polyhedron_Grid_ascii_dump (ppl_const_Constraints_Product_C_Polyhedron_Grid_t *x*, FILE * *stream*) [related]

7.19.2.139 int ppl_Constraints_Product_C_Polyhedron_Grid_ascii_load (ppl_Constraints_Product_C_Polyhedron_Grid_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.20 ppl_Constraints_Product_Grid_C_Polyhedron_tag Interface Reference

Types and functions for ppl_Constraints_Product_Grid_C_Polyhedron_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Constraints_Product_Grid_C_Polyhedron (ppl_const_Constraints_Product_Grid_C_Polyhedron_t ph)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_space_dimension (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Int8_Box (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Int8_Box_t ph)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Int16_Box (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Int32_Box (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Int64_Box (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Uint8_Box (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Uint16_Box (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Uint16_Box_t ph)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Uint32_Box (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Uint64_Box (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Z_Box (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Z_Box_t ph)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Rational_Box (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_BD_Shape_int8_t (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_BD_Shape_int16_t (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_BD_Shape_int32_t (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_BD_Shape_int64_t (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_BD_Shape_mpz_class (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_BD_Shape_mpq_class (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Octagonal_Shape_int8_t (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Octagonal_Shape_int16_t (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Octagonal_Shape_int32_t (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Octagonal_Shape_int64_t (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Octagonal_Shape_mpz_class (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Octagonal_Shape_mpq_class (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)

- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_C_Polyhedron (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_NNC_Polyhedron (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Grid (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Grid_t ph)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Float_Box (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_BD_Shape_float (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_BD_Shape_float_t ph)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Octagonal_Shape_float (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Double_Box (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Double_Box_t ph)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_BD_Shape_double (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_BD_Shape_double_t ph)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Octagonal_Shape_double (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Long_Double_Box (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Long_Double_Box_t ph)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_BD_Shape_long_double (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Octagonal_Shape_long_double (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Constraints_Product_Grid_C_Polyhedron (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Constraints_Product_Grid_C_Polyhedron_t ph)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Int8_Box_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Int8_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Int16_Box_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Int32_Box_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Int64_Box_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Uint8_Box_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Uint16_Box_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Uint32_Box_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Uint32_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Uint64_Box_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Z_Box_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Rational_Box_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_BD_Shape_int8_t_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)

- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_BD_Shape_int16_t_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_BD_Shape_int32_t_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_BD_Shape_int64_t_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_BD_Shape_mpz_class_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_BD_Shape_mpq_class_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Octagonal_Shape_int8_t_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Octagonal_Shape_int16_t_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Octagonal_Shape_int32_t_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Octagonal_Shape_int64_t_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_C_Polyhedron_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_NNC_Polyhedron_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Grid_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Float_Box_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_BD_Shape_float_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Octagonal_Shape_float_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Double_Box_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_BD_Shape_double_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)

- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Octagonal_Shape_double_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Long_Double_Box_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_BD_Shape_long_double_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Octagonal_Shape_long_double_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Constraints_Product_Grid_C_Polyhedron_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Constraints_Product_Grid_C_Polyhedron_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Constraint_System (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Congruence_System (ppl_Constraints_Product_Grid_C_Polyhedron_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Constraints_Product_Grid_C_Polyhedron_space_dimension (ppl_const_Constraints_Product_Grid_C_Polyhedron_t ph, ppl_dimension_type *m)
- int ppl_Constraints_Product_Grid_C_Polyhedron_affine_dimension (ppl_const_Constraints_Product_Grid_C_Polyhedron_t ph, ppl_dimension_type *m)
- int ppl_Constraints_Product_Grid_C_Polyhedron_relation_with_Constraint (ppl_const_Constraints_Product_Grid_C_Polyhedron_t ph, ppl_const_Constraint_t c)
- int ppl_Constraints_Product_Grid_C_Polyhedron_relation_with_Generator (ppl_const_Constraints_Product_Grid_C_Polyhedron_t ph, ppl_const_Generator_t c)
- int ppl_Constraints_Product_Grid_C_Polyhedron_relation_with_Congruence (ppl_const_Constraints_Product_Grid_C_Polyhedron_t ph, ppl_const_Congruence_t c)
- int ppl_Constraints_Product_Grid_C_Polyhedron_is_empty (ppl_const_Constraints_Product_Grid_C_Polyhedron_t ph)
- int ppl_Constraints_Product_Grid_C_Polyhedron_is_universe (ppl_const_Constraints_Product_Grid_C_Polyhedron_t ph)
- int ppl_Constraints_Product_Grid_C_Polyhedron_is_bounded (ppl_const_Constraints_Product_Grid_C_Polyhedron_t ph)
- int ppl_Constraints_Product_Grid_C_Polyhedron_is_topologically_closed (ppl_const_Constraints_Product_Grid_C_Polyhedron_t ph)
- int ppl_Constraints_Product_Grid_C_Polyhedron_is_discrete (ppl_const_Constraints_Product_Grid_C_Polyhedron_t ph)
- int ppl_Constraints_Product_Grid_C_Polyhedron_topological_closure_assign (ppl_Constraints_Product_Grid_C_Polyhedron_t ph)
- int ppl_Constraints_Product_Grid_C_Polyhedron_bounds_from_above (ppl_const_Constraints_Product_Grid_C_Polyhedron_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Constraints_Product_Grid_C_Polyhedron_bounds_from_below (ppl_const_Constraints_Product_Grid_C_Polyhedron_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Constraints_Product_Grid_C_Polyhedron_maximize (ppl_const_Constraints_Product_Grid_C_Polyhedron_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Constraints_Product_Grid_C_Polyhedron_minimize (ppl_const_Constraints_Product_Grid_C_Polyhedron_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)

- int ppl_Constraints_Product_Grid_C_Polyhedron_maximize_with_point (ppl_const_Constraints_-Product_Grid_C_Polyhedron_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Constraints_Product_Grid_C_Polyhedron_minimize_with_point (ppl_const_Constraints_-Product_Grid_C_Polyhedron_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Constraints_Product_Grid_C_Polyhedron_contains_Constraints_Product_Grid_C_-Polyhedron (ppl_const_Constraints_Product_Grid_C_Polyhedron_t x, ppl_const_Constraints_-Product_Grid_C_Polyhedron_t y)
- int ppl_Constraints_Product_Grid_C_Polyhedron_strictly_contains_Constraints_Product_Grid_C_-Polyhedron (ppl_const_Constraints_Product_Grid_C_Polyhedron_t x, ppl_const_Constraints_-Product_Grid_C_Polyhedron_t y)
- int ppl_Constraints_Product_Grid_C_Polyhedron_is_disjoint_from_Constraints_Product_Grid_C_-Polyhedron (ppl_const_Constraints_Product_Grid_C_Polyhedron_t x, ppl_const_Constraints_-Product_Grid_C_Polyhedron_t y)
- int ppl_Constraints_Product_Grid_C_Polyhedron_equals_Constraints_Product_Grid_C_-Polyhedron (ppl_const_Constraints_Product_Grid_C_Polyhedron_t x, ppl_const_Constraints_-Product_Grid_C_Polyhedron_t y)
- int ppl_Constraints_Product_Grid_C_Polyhedron_OK (ppl_const_Constraints_Product_Grid_C_-Polyhedron_t ph)
- int ppl_Constraints_Product_Grid_C_Polyhedron_add_constraint (ppl_Constraints_Product_Grid_-C_Polyhedron_t ph, ppl_const_Constraint_t c)
- int ppl_Constraints_Product_Grid_C_Polyhedron_add_congruence (ppl_Constraints_Product_-Grid_C_Polyhedron_t ph, ppl_const_Congruence_t c)
- int ppl_Constraints_Product_Grid_C_Polyhedron_add_constraints (ppl_Constraints_Product_-Grid_C_Polyhedron_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Constraints_Product_Grid_C_Polyhedron_add_congruences (ppl_Constraints_Product_-Grid_C_Polyhedron_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Constraints_Product_Grid_C_Polyhedron_refine_with_constraint (ppl_Constraints_-Product_Grid_C_Polyhedron_t ph, ppl_const_Constraint_t c)
- int ppl_Constraints_Product_Grid_C_Polyhedron_refine_with_congruence (ppl_Constraints_-Product_Grid_C_Polyhedron_t ph, ppl_const_Congruence_t c)
- int ppl_Constraints_Product_Grid_C_Polyhedron_refine_with_constraints (ppl_Constraints_-Product_Grid_C_Polyhedron_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Constraints_Product_Grid_C_Polyhedron_refine_with_congruences (ppl_Constraints_-Product_Grid_C_Polyhedron_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Constraints_Product_Grid_C_Polyhedron_intersection_assign (ppl_Constraints_Product_-Grid_C_Polyhedron_t x, ppl_const_Constraints_Product_Grid_C_Polyhedron_t y)
- int ppl_Constraints_Product_Grid_C_Polyhedron_upper_bound_assign (ppl_Constraints_Product_-Grid_C_Polyhedron_t x, ppl_const_Constraints_Product_Grid_C_Polyhedron_t y)
- int ppl_Constraints_Product_Grid_C_Polyhedron_difference_assign (ppl_Constraints_Product_-Grid_C_Polyhedron_t x, ppl_const_Constraints_Product_Grid_C_Polyhedron_t y)
- int ppl_Constraints_Product_Grid_C_Polyhedron_concatenate_assign (ppl_Constraints_Product_-Grid_C_Polyhedron_t x, ppl_const_Constraints_Product_Grid_C_Polyhedron_t y)
- int ppl_Constraints_Product_Grid_C_Polyhedron_time_elapse_assign (ppl_Constraints_Product_-Grid_C_Polyhedron_t x, ppl_const_Constraints_Product_Grid_C_Polyhedron_t y)
- int ppl_Constraints_Product_Grid_C_Polyhedron_upper_bound_assign_if_exact (ppl_-Constraints_Product_Grid_C_Polyhedron_t x, ppl_const_Constraints_Product_Grid_C_-Polyhedron_t y)
- int ppl_Constraints_Product_Grid_C_Polyhedron_constrains (ppl_Constraints_Product_Grid_C_-Polyhedron_t ph, ppl_dimension_type var)

- int ppl_Constraints_Product_Grid_C_Polyhedron_unconstrain_space_dimension (ppl_Constraints_Product_Grid_C_Polyhedron_t ph, ppl_dimension_type var)
- int ppl_Constraints_Product_Grid_C_Polyhedron_unconstrain_space_dimensions (ppl_Constraints_Product_Grid_C_Polyhedron_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Constraints_Product_Grid_C_Polyhedron_affine_image (ppl_Constraints_Product_Grid_C_Polyhedron_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Constraints_Product_Grid_C_Polyhedron_affine_preimage (ppl_Constraints_Product_Grid_C_Polyhedron_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Constraints_Product_Grid_C_Polyhedron_bounded_affine_image (ppl_Constraints_Product_Grid_C_Polyhedron_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Constraints_Product_Grid_C_Polyhedron_bounded_affine_preimage (ppl_Constraints_Product_Grid_C_Polyhedron_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Constraints_Product_Grid_C_Polyhedron_generalized_affine_image (ppl_Constraints_Product_Grid_C_Polyhedron_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Constraints_Product_Grid_C_Polyhedron_generalized_affine_preimage (ppl_Constraints_Product_Grid_C_Polyhedron_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Constraints_Product_Grid_C_Polyhedron_generalized_affine_image_lhs_rhs (ppl_Constraints_Product_Grid_C_Polyhedron_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Constraints_Product_Grid_C_Polyhedron_generalized_affine_preimage_lhs_rhs (ppl_Constraints_Product_Grid_C_Polyhedron_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Constraints_Product_Grid_C_Polyhedron_add_space_dimensions_and_embed (ppl_Constraints_Product_Grid_C_Polyhedron_t ph, ppl_dimension_type d)
- int ppl_Constraints_Product_Grid_C_Polyhedron_add_space_dimensions_and_project (ppl_Constraints_Product_Grid_C_Polyhedron_t ph, ppl_dimension_type d)
- int ppl_Constraints_Product_Grid_C_Polyhedron_remove_space_dimensions (ppl_Constraints_Product_Grid_C_Polyhedron_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Constraints_Product_Grid_C_Polyhedron_remove_higher_space_dimensions (ppl_Constraints_Product_Grid_C_Polyhedron_t ph, ppl_dimension_type d)
- int ppl_Constraints_Product_Grid_C_Polyhedron_expand_space_dimension (ppl_Constraints_Product_Grid_C_Polyhedron_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Constraints_Product_Grid_C_Polyhedron_fold_space_dimensions (ppl_Constraints_Product_Grid_C_Polyhedron_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Constraints_Product_Grid_C_Polyhedron_map_space_dimensions (ppl_Constraints_Product_Grid_C_Polyhedron_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Constraints_Product_Grid_C_Polyhedron_drop_some_non_integer_points (ppl_Constraints_Product_Grid_C_Polyhedron_t ph, int complexity)
- int ppl_Constraints_Product_Grid_C_Polyhedron_drop_some_non_integer_points_2 (ppl_Constraints_Product_Grid_C_Polyhedron_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Constraints_Product_Grid_C_Polyhedron_external_memory_in_bytes (ppl_const_Constraints_Product_Grid_C_Polyhedron_t ps, size_t *sz)
- int ppl_Constraints_Product_Grid_C_Polyhedron_total_memory_in_bytes (ppl_const_Constraints_Product_Grid_C_Polyhedron_t ps, size_t *sz)

- int ppl_Constraints_Product_Grid_C_Polyhedron_widening_assign_with_tokens (ppl_Constraints_Product_Grid_C_Polyhedron_t x, ppl_const_Constraints_Product_Grid_C_Polyhedron_t y, unsigned *tp)
- int ppl_Constraints_Product_Grid_C_Polyhedron_widening_assign (ppl_Constraints_Product_Grid_C_Polyhedron_t x, ppl_const_Constraints_Product_Grid_C_Polyhedron_t y)
- int ppl_io_print_Constraints_Product_Grid_C_Polyhedron (ppl_const_Constraints_Product_Grid_C_Polyhedron_t x)
- int ppl_io_fprint_Constraints_Product_Grid_C_Polyhedron (FILE *stream, ppl_const_Constraints_Product_Grid_C_Polyhedron_t x)
- int ppl_io_asprint_Constraints_Product_Grid_C_Polyhedron (char **strp, ppl_const_Constraints_Product_Grid_C_Polyhedron_t x)
- int ppl_Constraints_Product_Grid_C_Polyhedron_ascii_dump (ppl_const_Constraints_Product_Grid_C_Polyhedron_t x, FILE *stream)
- int ppl_Constraints_Product_Grid_C_Polyhedron_ascii_load (ppl_Constraints_Product_Grid_C_Polyhedron_t x, FILE *stream)

7.20.1 Detailed Description

Types and functions for ppl_Constraints_Product_Grid_C_Polyhedron_tag.

7.20.2 Friends And Related Function Documentation

7.20.2.1 int ppl_delete_Constraints_Product_Grid_C_Polyhedron (ppl_const_Constraints_Product_Grid_C_Polyhedron_t *ph*) [related]

7.20.2.2 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_space_dimension (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.20.2.3 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Int8_Box (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.20.2.4 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Int16_Box (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.20.2.5 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Int32_Box (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.20.2.6 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Int64_Box (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.20.2.7 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Uint8_Box (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.20.2.8 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Uint16_Box (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.20.2.9 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Uint32_Box (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.20.2.10 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Uint64_Box (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.20.2.11 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Z_Box (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.20.2.12 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Rational_Box (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.20.2.13 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_BD_Shape_int8_t (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.20.2.14 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_BD_Shape_int16_t (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.20.2.15 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_BD_Shape_int32_t (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.20.2.16 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_BD_Shape_int64_t (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.20.2.17 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_BD_Shape_mpz_class (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.20.2.18 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_BD_Shape_mpq_class (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.20.2.19 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Octagonal_Shape_int8_t (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.20.2.20 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Octagonal_Shape_int16_t (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.20.2.21 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Octagonal_Shape_int32_t (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.20.2.22 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Octagonal_-Shape_int64_t (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.20.2.23 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Octagonal_-Shape_mpz_class (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.20.2.24 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Octagonal_-Shape_mpq_class (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.20.2.25 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_C_Polyhedron (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.20.2.26 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_NNC_Polyhedron (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.20.2.27 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Grid (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.20.2.28 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Float_Box (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.20.2.29 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_BD_Shape_float (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.20.2.30 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Octagonal_-Shape_float (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.20.2.31 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Double_Box (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.20.2.32 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_BD_Shape_double (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.20.2.33 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Octagonal_-Shape_double (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.20.2.34 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Long_Double_Box (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.20.2.35 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_BD_Shape_-long_double (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.20.2.36 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Octagonal_-Shape_long_double (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.20.2.37 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Constraints_Product_-Grid_C_Polyhedron (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Constraints_Product_Grid_C_Polyhedron_t *ph*) [related]

7.20.2.38 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Int8_Box_-with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.20.2.39 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Int16_Box_-with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.20.2.40 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Int32_Box_-with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.20.2.41 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Int64_Box_-with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.20.2.42 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Uint8_Box_-with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.20.2.43 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Uint16_Box_-with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.20.2.44 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Uint32_Box_-with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.20.2.45 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Uint64_Box_-with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.20.2.46 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Z_Box_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.20.2.47 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Rational_Box_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.20.2.48 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_BD_Shape_int8_t_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.20.2.49 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_BD_Shape_int16_t_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.20.2.50 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_BD_Shape_int32_t_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.20.2.51 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_BD_Shape_int64_t_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.20.2.52 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_BD_Shape_mpz_class_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.20.2.53 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_BD_Shape_mpq_class_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.20.2.54 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Octagonal_Shape_int8_t_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.20.2.55 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Octagonal_Shape_int16_t_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.20.2.56 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Octagonal_Shape_int32_t_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.20.2.57 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Octagonal_Shape_int64_t_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.20.2.58 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.20.2.59 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.20.2.60 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_C_Polyhedron_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.20.2.61 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_NNC_Polyhedron_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.20.2.62 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Grid_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.20.2.63 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Float_Box_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.20.2.64 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_BD_Shape_float_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.20.2.65 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Octagonal_Shape_float_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.20.2.66 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Double_Box_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.20.2.67 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_BD_Shape_double_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.20.2.68 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Octagonal_Shape_double_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.20.2.69 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Long_Double_Box_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.20.2.70 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_BD_Shape_long_double_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.20.2.71 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Octagonal_Shape_long_double_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.20.2.72 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Constraints_Product_Grid_C_Polyhedron_with_complexity (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Constraints_Product_Grid_C_Polyhedron_t *ph*, int *complexity*) [related]

7.20.2.73 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Constraint_System (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.20.2.74 int ppl_new_Constraints_Product_Grid_C_Polyhedron_from_Congruence_System (ppl_Constraints_Product_Grid_C_Polyhedron_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.20.2.75 int ppl_Constraints_Product_Grid_C_Polyhedron_space_dimension (ppl_const_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_dimension_type * *m*) [related]

7.20.2.76 int ppl_Constraints_Product_Grid_C_Polyhedron_affine_dimension (ppl_const_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_dimension_type * *m*) [related]

7.20.2.77 int ppl_Constraints_Product_Grid_C_Polyhedron_relation_with_Constraint (ppl_const_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_const_Constraint_t *c*) [related]

7.20.2.78 int ppl_Constraints_Product_Grid_C_Polyhedron_relation_with_Generator (ppl_const_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_const_Generator_t *c*) [related]

7.20.2.79 int ppl_Constraints_Product_Grid_C_Polyhedron_relation_with_Congruence (ppl_const_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_const_Congruence_t *c*) [related]

7.20.2.80 int ppl_Constraints_Product_Grid_C_Polyhedron_is_empty (ppl_const_Constraints_Product_Grid_C_Polyhedron_t *ph*) [related]

7.20.2.81 int ppl_Constraints_Product_Grid_C_Polyhedron_is_universe (ppl_const_Constraints_Product_Grid_C_Polyhedron_t *ph*) [related]

7.20.2.82 int ppl_Constraints_Product_Grid_C_Polyhedron_is_bounded (ppl_const_Constraints_Product_Grid_C_Polyhedron_t *ph*) [related]

7.20.2.83 int ppl_Constraints_Product_Grid_C_Polyhedron_is_topologically_closed (ppl_const_Constraints_Product_Grid_C_Polyhedron_t *ph*) [related]

7.20.2.84 int ppl_Constraints_Product_Grid_C_Polyhedron_is_discrete (ppl_const_Constraints_Product_Grid_C_Polyhedron_t *ph*) [related]

7.20.2.85 int ppl_Constraints_Product_Grid_C_Polyhedron_topological_closure_assign (ppl_Constraints_Product_Grid_C_Polyhedron_t *ph*) [related]

7.20.2.86 int ppl_Constraints_Product_Grid_C_Polyhedron_bounds_from_above (ppl_const_-Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.20.2.87 int ppl_Constraints_Product_Grid_C_Polyhedron_bounds_from_below (ppl_const_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.20.2.88 int ppl_Constraints_Product_Grid_C_Polyhedron_maximize (ppl_const_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.20.2.89 int ppl_Constraints_Product_Grid_C_Polyhedron_minimize (ppl_const_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.20.2.90 int ppl_Constraints_Product_Grid_C_Polyhedron_maximize_with_point (ppl_const_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.20.2.91 int ppl_Constraints_Product_Grid_C_Polyhedron_minimize_with_point (ppl_const_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.20.2.92 int ppl_Constraints_Product_Grid_C_Polyhedron_contains_Constraints_Product_Grid_C_Polyhedron (ppl_const_Constraints_Product_Grid_C_Polyhedron_t *x*, ppl_const_Constraints_Product_Grid_C_Polyhedron_t *y*) [related]

7.20.2.93 int ppl_Constraints_Product_Grid_C_Polyhedron_strictly_contains_Constraints_Product_Grid_C_Polyhedron (ppl_const_Constraints_Product_Grid_C_Polyhedron_t *x*, ppl_const_Constraints_Product_Grid_C_Polyhedron_t *y*) [related]

7.20.2.94 int ppl_Constraints_Product_Grid_C_Polyhedron_is_disjoint_from_Constraints_Product_Grid_C_Polyhedron (ppl_const_Constraints_Product_Grid_C_Polyhedron_t *x*, ppl_const_Constraints_Product_Grid_C_Polyhedron_t *y*) [related]

7.20.2.95 int ppl_Constraints_Product_Grid_C_Polyhedron_equals_Constraints_Product_Grid_C_Polyhedron (ppl_const_Constraints_Product_Grid_C_Polyhedron_t *x*, ppl_const_Constraints_Product_Grid_C_Polyhedron_t *y*) [related]

7.20.2.96 int ppl_Constraints_Product_Grid_C_Polyhedron_OK (ppl_const_Constraints_Product_Grid_C_Polyhedron_t *ph*) [related]

7.20.2.97 int ppl_Constraints_Product_Grid_C_Polyhedron_add_constraint (ppl_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_const_Constraint_t *c*) [related]

7.20.2.98 int ppl_Constraints_Product_Grid_C_Polyhedron_add_congruence (ppl_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_const_Congruence_t *c*) [related]

7.20.2.99 int ppl_Constraints_Product_Grid_C_Polyhedron_add_constraints (ppl_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.20.2.100 int ppl_Constraints_Product_Grid_C_Polyhedron_add_congruences (ppl_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.20.2.101 int ppl_Constraints_Product_Grid_C_Polyhedron_refine_with_constraint (ppl_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_const_Constraint_t *c*) [related]

7.20.2.102 int ppl_Constraints_Product_Grid_C_Polyhedron_refine_with_congruence (ppl_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_const_Congruence_t *c*) [related]

7.20.2.103 int ppl_Constraints_Product_Grid_C_Polyhedron_refine_with_constraints (ppl_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.20.2.104 int ppl_Constraints_Product_Grid_C_Polyhedron_refine_with_congruences (ppl_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.20.2.105 int ppl_Constraints_Product_Grid_C_Polyhedron_intersection_assign (ppl_Constraints_Product_Grid_C_Polyhedron_t *x*, ppl_const_Constraints_Product_Grid_C_Polyhedron_t *y*) [related]

7.20.2.106 int ppl_Constraints_Product_Grid_C_Polyhedron_upper_bound_assign (ppl_Constraints_Product_Grid_C_Polyhedron_t *x*, ppl_const_Constraints_Product_Grid_C_Polyhedron_t *y*) [related]

7.20.2.107 int ppl_Constraints_Product_Grid_C_Polyhedron_difference_assign (ppl_Constraints_Product_Grid_C_Polyhedron_t *x*, ppl_const_Constraints_Product_Grid_C_Polyhedron_t *y*) [related]

7.20.2.108 int ppl_Constraints_Product_Grid_C_Polyhedron_concatenate_assign (ppl_Constraints_Product_Grid_C_Polyhedron_t *x*, ppl_const_Constraints_Product_Grid_C_Polyhedron_t *y*) [related]

7.20.2.109 int ppl_Constraints_Product_Grid_C_Polyhedron_time_elapse_assign (ppl_Constraints_Product_Grid_C_Polyhedron_t *x*, ppl_const_Constraints_Product_Grid_C_Polyhedron_t *y*) [related]

7.20.2.110 int ppl_Constraints_Product_Grid_C_Polyhedron_upper_bound_assign_if_exact (ppl_Constraints_Product_Grid_C_Polyhedron_t *x*, ppl_const_Constraints_Product_Grid_C_Polyhedron_t *y*) [related]

7.20.2.111 int ppl_Constraints_Product_Grid_C_Polyhedron_constrains (ppl_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_dimension_type *var*) [related]

7.20.2.112 int ppl_Constraints_Product_Grid_C_Polyhedron_unconstrain_space_dimension (ppl_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_dimension_type *var*) [related]

7.20.2.113 int ppl_Constraints_Product_Grid_C_Polyhedron_unconstrain_space_dimensions (ppl_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.20.2.114 int ppl_Constraints_Product_Grid_C_Polyhedron_affine_image (ppl_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.20.2.115 int ppl_Constraints_Product_Grid_C_Polyhedron_affine_preimage (ppl_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.20.2.116 int ppl_Constraints_Product_Grid_C_Polyhedron_bounded_affine_image (ppl_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.20.2.117 int ppl_Constraints_Product_Grid_C_Polyhedron_bounded_affine_preimage (ppl_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.20.2.118 int ppl_Constraints_Product_Grid_C_Polyhedron_generalized_affine_image (ppl_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.20.2.119 int ppl_Constraints_Product_Grid_C_Polyhedron_generalized_affine_preimage (ppl_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.20.2.120 int ppl_Constraints_Product_Grid_C_Polyhedron_generalized_affine_image_lhs_rhs (ppl_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.20.2.121 int ppl_Constraints_Product_Grid_C_Polyhedron_generalized_affine_-preimage_lhs_rhs (ppl_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.20.2.122 int ppl_Constraints_Product_Grid_C_Polyhedron_add_space_dimensions_and_embed (ppl_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_dimension_type *d*) [related]

7.20.2.123 int ppl_Constraints_Product_Grid_C_Polyhedron_add_space_dimensions_and_-project (ppl_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_dimension_type *d*) [related]

7.20.2.124 int ppl_Constraints_Product_Grid_C_Polyhedron_remove_space_dimensions (ppl_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.20.2.125 int ppl_Constraints_Product_Grid_C_Polyhedron_remove_higher_space_dimensions (ppl_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_dimension_type *d*) [related]

7.20.2.126 int ppl_Constraints_Product_Grid_C_Polyhedron_expand_space_dimension (ppl_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.20.2.127 int ppl_Constraints_Product_Grid_C_Polyhedron_fold_space_dimensions (ppl_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.20.2.128 int ppl_Constraints_Product_Grid_C_Polyhedron_map_space_dimensions (ppl_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.20.2.129 int ppl_Constraints_Product_Grid_C_Polyhedron_drop_some_non_integer_points (ppl_Constraints_Product_Grid_C_Polyhedron_t *ph*, int *complexity*) [related]

7.20.2.130 int ppl_Constraints_Product_Grid_C_Polyhedron_drop_some_non_integer_points_2 (ppl_Constraints_Product_Grid_C_Polyhedron_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.20.2.131 int ppl_Constraints_Product_Grid_C_Polyhedron_external_memory_in_bytes (ppl_const_Constraints_Product_Grid_C_Polyhedron_t *ps*, size_t * *sz*) [related]

7.20.2.132 int ppl_Constraints_Product_Grid_C_Polyhedron_total_memory_in_bytes (ppl_const_Constraints_Product_Grid_C_Polyhedron_t *ps*, size_t * *sz*) [related]

7.20.2.133 int ppl_Constraints_Product_Grid_C_Polyhedron_widening_assign_with_tokens (ppl_Constraints_Product_Grid_C_Polyhedron_t *x*, ppl_const_Constraints_Product_Grid_C_Polyhedron_t *y*, unsigned * *tp*) [related]

7.20.2.134 int ppl_Constraints_Product_Grid_C_Polyhedron_widening_assign (ppl_Constraints_Product_Grid_C_Polyhedron_t *x*, ppl_const_Constraints_Product_Grid_C_Polyhedron_t *y*) [related]

7.20.2.135 int ppl_io_print_Constraints_Product_Grid_C_Polyhedron (ppl_const_Constraints_Product_Grid_C_Polyhedron_t *x*) [related]

7.20.2.136 int ppl_io_fprint_Constraints_Product_Grid_C_Polyhedron (FILE * *stream*, ppl_const_Constraints_Product_Grid_C_Polyhedron_t *x*) [related]

7.20.2.137 int ppl_io_asprint_Constraints_Product_Grid_C_Polyhedron (char ** *strp*, ppl_const_Constraints_Product_Grid_C_Polyhedron_t *x*) [related]

7.20.2.138 int ppl_Constraints_Product_Grid_C_Polyhedron_ascii_dump (ppl_const_Constraints_Product_Grid_C_Polyhedron_t *x*, FILE * *stream*) [related]

7.20.2.139 int ppl_Constraints_Product_Grid_C_Polyhedron_ascii_load (ppl_Constraints_Product_Grid_C_Polyhedron_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.21 ppl_Constraints_Product_Grid_NNC_Polyhedron_tag Interface Reference

Types and functions for ppl_Constraints_Product_Grid_NNC_Polyhedron_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Constraints_Product_Grid_NNC_Polyhedron (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t ph)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_space_dimension (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Int8_Box (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Int8_Box_t ph)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Int16_Box (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Int32_Box (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Int64_Box (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Uint8_Box (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Uint16_Box (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Uint16_Box_t ph)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Uint32_Box (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Uint64_Box (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Z_Box (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Z_Box_t ph)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Rational_Box (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_BD_Shape_int8_t (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_BD_Shape_int16_t (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_BD_Shape_int32_t (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_BD_Shape_int64_t (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_BD_Shape_mpz_class (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_BD_Shape_mpq_class (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Octagonal_Shape_int8_t (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Octagonal_Shape_int16_t (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Octagonal_Shape_int32_t (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Octagonal_Shape_int64_t (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Octagonal_Shape_mpz_class (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)

- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Octagonal_Shape_mpq_class (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_C_Polyhedron (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_NNC_Polyhedron (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Grid (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Grid_t ph)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Float_Box (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_BD_Shape_float (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_BD_Shape_float_t ph)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Octagonal_Shape_float (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Double_Box (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Double_Box_t ph)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_BD_Shape_double (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_BD_Shape_double_t ph)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Octagonal_Shape_double (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Long_Double_Box (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Long_Double_Box_t ph)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_BD_Shape_long_double (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Octagonal_Shape_long_double (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Constraints_Product_Grid_NNC_Polyhedron (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t ph)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Int8_Box_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Int8_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Int16_Box_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Int32_Box_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Int64_Box_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Uint8_Box_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Uint16_Box_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Uint32_Box_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Uint32_Box_t ph, int complexity)

- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Uint64_Box_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Z_Box_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Rational_Box_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_BD_Shape_int8_t_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_BD_Shape_int16_t_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_BD_Shape_int32_t_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_BD_Shape_int64_t_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_BD_Shape_mpz_class_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_BD_Shape_mpq_class_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Octagonal_Shape_int8_t_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Octagonal_Shape_int16_t_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Octagonal_Shape_int32_t_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Octagonal_Shape_int64_t_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_C_Polyhedron_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_NNC_Polyhedron_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Grid_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Grid_t ph, int complexity)

- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Float_Box_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_BD_Shape_float_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Octagonal_Shape_float_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Double_Box_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_BD_Shape_double_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Octagonal_Shape_double_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Long_Double_Box_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_BD_Shape_long_double_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Octagonal_Shape_long_double_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Constraints_Product_Grid_NNC_Polyhedron_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t ph, int complexity)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Constraint_System (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Congruence_System (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_space_dimension (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t ph, ppl_dimension_type *m)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_affine_dimension (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t ph, ppl_dimension_type *m)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_relation_with_Constraint (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t ph, ppl_const_Constraint_t c)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_relation_with_Generator (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t ph, ppl_const_Generator_t c)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_relation_with_Congruence (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t ph, ppl_const_Congruence_t c)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_is_empty (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t ph)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_is_universe (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t ph)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_is_bounded (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t ph)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_is_topologically_closed (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t ph)

- int ppl_Constraints_Product_Grid_NNC_Polyhedron_is_discrete (ppl_const_Constraints_Product_-Grid_NNC_Polyhedron_t ph)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_topological_closure_assign (ppl_-Constraints_Product_Grid_NNC_Polyhedron_t ph)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_bounds_from_above (ppl_const_-Constraints_Product_Grid_NNC_Polyhedron_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_bounds_from_below (ppl_const_-Constraints_Product_Grid_NNC_Polyhedron_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_maximize (ppl_const_Constraints_Product_-Grid_NNC_Polyhedron_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_-Coefficient_t ext_d, int *poptimum)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_minimize (ppl_const_Constraints_Product_-Grid_NNC_Polyhedron_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_-Coefficient_t ext_d, int *poptimum)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_maximize_with_point (ppl_const_-Constraints_Product_Grid_NNC_Polyhedron_t ph, ppl_const_Linear_Expression_t le, ppl_-Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_minimize_with_point (ppl_const_-Constraints_Product_Grid_NNC_Polyhedron_t ph, ppl_const_Linear_Expression_t le, ppl_-Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_contains_Constraints_Product_Grid_NNC_-Polyhedron (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t x, ppl_const_Constraints_-Product_Grid_NNC_Polyhedron_t y)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_strictly_contains_Constraints_Product_-Grid_NNC_Polyhedron (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t x, ppl_const_-Constraints_Product_Grid_NNC_Polyhedron_t y)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_is_disjoint_from_Constraints_Product_-Grid_NNC_Polyhedron (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t x, ppl_const_-Constraints_Product_Grid_NNC_Polyhedron_t y)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_equals_Constraints_Product_Grid_NNC_-Polyhedron (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t x, ppl_const_Constraints_-Product_Grid_NNC_Polyhedron_t y)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_OK (ppl_const_Constraints_Product_Grid_-NNC_Polyhedron_t ph)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_add_constraint (ppl_Constraints_Product_-Grid_NNC_Polyhedron_t ph, ppl_const_Constraint_t c)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_add_congruence (ppl_Constraints_Product_-Grid_NNC_Polyhedron_t ph, ppl_const_Congruence_t c)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_add_constraints (ppl_Constraints_Product_-Grid_NNC_Polyhedron_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_add_congruences (ppl_Constraints_-Product_Grid_NNC_Polyhedron_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_refine_with_constraint (ppl_Constraints_-Product_Grid_NNC_Polyhedron_t ph, ppl_const_Constraint_t c)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_refine_with_congruence (ppl_Constraints_-Product_Grid_NNC_Polyhedron_t ph, ppl_const_Congruence_t c)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_refine_with_constraints (ppl_Constraints_-Product_Grid_NNC_Polyhedron_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_refine_with_congruences (ppl_Constraints_-Product_Grid_NNC_Polyhedron_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_intersection_assign (ppl_Constraints_-Product_Grid_NNC_Polyhedron_t x, ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t y)

- int ppl_Constraints_Product_Grid_NNC_Polyhedron_upper_bound_assign (ppl_Constraints_Product_Grid_NNC_Polyhedron_t x, ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t y)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_difference_assign (ppl_Constraints_Product_Grid_NNC_Polyhedron_t x, ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t y)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_concatenate_assign (ppl_Constraints_Product_Grid_NNC_Polyhedron_t x, ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t y)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_time_elapse_assign (ppl_Constraints_Product_Grid_NNC_Polyhedron_t x, ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t y)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_upper_bound_assign_if_exact (ppl_Constraints_Product_Grid_NNC_Polyhedron_t x, ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t y)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_constrains (ppl_Constraints_Product_Grid_NNC_Polyhedron_t ph, ppl_dimension_type var)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_unconstrain_space_dimension (ppl_Constraints_Product_Grid_NNC_Polyhedron_t ph, ppl_dimension_type var)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_unconstrain_space_dimensions (ppl_Constraints_Product_Grid_NNC_Polyhedron_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_affine_image (ppl_Constraints_Product_Grid_NNC_Polyhedron_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_affine_preimage (ppl_Constraints_Product_Grid_NNC_Polyhedron_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_bounded_affine_image (ppl_Constraints_Product_Grid_NNC_Polyhedron_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_bounded_affine_preimage (ppl_Constraints_Product_Grid_NNC_Polyhedron_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_generalized_affine_image (ppl_Constraints_Product_Grid_NNC_Polyhedron_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_generalized_affine_preimage (ppl_Constraints_Product_Grid_NNC_Polyhedron_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_generalized_affine_image_lhs_rhs (ppl_Constraints_Product_Grid_NNC_Polyhedron_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_generalized_affine_preimage_lhs_rhs (ppl_Constraints_Product_Grid_NNC_Polyhedron_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_add_space_dimensions_and_embed (ppl_Constraints_Product_Grid_NNC_Polyhedron_t ph, ppl_dimension_type d)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_add_space_dimensions_and_project (ppl_Constraints_Product_Grid_NNC_Polyhedron_t ph, ppl_dimension_type d)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_remove_space_dimensions (ppl_Constraints_Product_Grid_NNC_Polyhedron_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_remove_higher_space_dimensions (ppl_Constraints_Product_Grid_NNC_Polyhedron_t ph, ppl_dimension_type d)

- int ppl_Constraints_Product_Grid_NNC_Polyhedron_expand_space_dimension (ppl_Constraints_Product_Grid_NNC_Polyhedron_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_fold_space_dimensions (ppl_Constraints_Product_Grid_NNC_Polyhedron_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_map_space_dimensions (ppl_Constraints_Product_Grid_NNC_Polyhedron_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_drop_some_non_integer_points (ppl_Constraints_Product_Grid_NNC_Polyhedron_t ph, int complexity)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_drop_some_non_integer_points_2 (ppl_Constraints_Product_Grid_NNC_Polyhedron_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_external_memory_in_bytes (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t ps, size_t *sz)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_total_memory_in_bytes (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t ps, size_t *sz)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_widening_assign_with_tokens (ppl_Constraints_Product_Grid_NNC_Polyhedron_t x, ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t y, unsigned *tp)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_widening_assign (ppl_Constraints_Product_Grid_NNC_Polyhedron_t x, ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t y)
- int ppl_io_print_Constraints_Product_Grid_NNC_Polyhedron (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t x)
- int ppl_io_fprint_Constraints_Product_Grid_NNC_Polyhedron (FILE *stream, ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t x)
- int ppl_io_asprint_Constraints_Product_Grid_NNC_Polyhedron (char **strp, ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t x)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_ascii_dump (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t x, FILE *stream)
- int ppl_Constraints_Product_Grid_NNC_Polyhedron_ascii_load (ppl_Constraints_Product_Grid_NNC_Polyhedron_t x, FILE *stream)

7.21.1 Detailed Description

Types and functions for ppl_Constraints_Product_Grid_NNC_Polyhedron_tag.

7.21.2 Friends And Related Function Documentation

7.21.2.1 int ppl_delete_Constraints_Product_Grid_NNC_Polyhedron (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *ph*) [related]

7.21.2.2 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_space_dimension (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.21.2.3 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Int8_Box (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.21.2.4 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Int16_Box (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.21.2.5 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Int32_Box (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.21.2.6 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Int64_Box (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.21.2.7 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Uint8_Box (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.21.2.8 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Uint16_Box (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.21.2.9 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Uint32_Box (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.21.2.10 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Uint64_Box (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.21.2.11 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Z_Box (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.21.2.12 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Rational_Box (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.21.2.13 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_BD_Shape_int8_t (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.21.2.14 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_BD_Shape_int16_t (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.21.2.15 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_BD_Shape_int32_t (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.21.2.16 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_BD_Shape_int64_t (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.21.2.17 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_BD_Shape_mpz_class (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.21.2.18 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_BD_Shape_mpq_class (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.21.2.19 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Octagonal_-Shape_int8_t (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.21.2.20 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Octagonal_-Shape_int16_t (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.21.2.21 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Octagonal_-Shape_int32_t (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.21.2.22 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Octagonal_-Shape_int64_t (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.21.2.23 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Octagonal_-Shape_mpz_class (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.21.2.24 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Octagonal_-Shape_mpq_class (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.21.2.25 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_C_Polyhedron (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.21.2.26 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_NNC_Polyhedron (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.21.2.27 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Grid (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.21.2.28 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Float_Box (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.21.2.29 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_BD_Shape_float (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.21.2.30 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Octagonal_Shape_float (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.21.2.31 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Double_Box (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.21.2.32 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_BD_Shape_double (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.21.2.33 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Octagonal_Shape_double (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.21.2.34 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Long_Double_Box (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.21.2.35 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_BD_Shape_long_double (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.21.2.36 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Octagonal_Shape_long_double (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.21.2.37 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Constraints_Product_Grid_NNC_Polyhedron (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *ph*) [related]

7.21.2.38 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Int8_Box_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.21.2.39 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Int16_Box_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.21.2.40 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Int32_Box_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.21.2.41 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Int64_Box_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.21.2.42 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Uint8_Box_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.21.2.43 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Uint16_Box_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.21.2.44 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Uint32_Box_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.21.2.45 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Uint64_Box_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.21.2.46 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Z_Box_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.21.2.47 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Rational_Box_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.21.2.48 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_BD_Shape_int8_t_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.21.2.49 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_BD_Shape_int16_t_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.21.2.50 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_BD_Shape_int32_t_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.21.2.51 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_BD_Shape_int64_t_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.21.2.52 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_BD_Shape_mpz_class_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.21.2.53 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_BD_Shape_mpq_class_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.21.2.54 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Octagonal_Shape_int8_t_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.21.2.55 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Octagonal_Shape_int16_t_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.21.2.56 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Octagonal_Shape_int32_t_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.21.2.57 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Octagonal_Shape_int64_t_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.21.2.58 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.21.2.59 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Octagonal_Shape_-mpq_class_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.21.2.60 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_C_Polyhedron_-with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.21.2.61 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_NNC_Polyhedron_-with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.21.2.62 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Grid_-with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.21.2.63 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Float_Box_-with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.21.2.64 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_BD_Shape_-float_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.21.2.65 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Octagonal_Shape_-float_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.21.2.66 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Double_Box_-with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.21.2.67 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_BD_Shape_double_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.21.2.68 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Octagonal_Shape_double_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.21.2.69 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Long_Double_Box_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.21.2.70 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_BD_Shape_long_double_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.21.2.71 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Octagonal_Shape_long_double_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.21.2.72 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Constraints_Product_Grid_NNC_Polyhedron_with_complexity (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *ph*, int *complexity*) [related]

7.21.2.73 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Constraint_System (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.21.2.74 int ppl_new_Constraints_Product_Grid_NNC_Polyhedron_from_Congruence_System (ppl_Constraints_Product_Grid_NNC_Polyhedron_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.21.2.75 int ppl_Constraints_Product_Grid_NNC_Polyhedron_space_dimension (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_dimension_type * *m*) [related]

7.21.2.76 int ppl_Constraints_Product_Grid_NNC_Polyhedron_affine_dimension (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_dimension_type * *m*) [related]

7.21.2.77 int ppl_Constraints_Product_Grid_NNC_Polyhedron_relation_with_Constraint (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_const_Constraint_t *c*) [related]

7.21.2.78 int ppl_Constraints_Product_Grid_NNC_Polyhedron_relation_with_Generator (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_const_Generator_t *c*) [related]

7.21.2.79 int ppl_Constraints_Product_Grid_NNC_Polyhedron_relation_with_Congruence (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_const_Congruence_t *c*) [related]

7.21.2.80 int ppl_Constraints_Product_Grid_NNC_Polyhedron_is_empty (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *ph*) [related]

7.21.2.81 int ppl_Constraints_Product_Grid_NNC_Polyhedron_is_universe (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *ph*) [related]

7.21.2.82 int ppl_Constraints_Product_Grid_NNC_Polyhedron_is_bounded (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *ph*) [related]

7.21.2.83 int ppl_Constraints_Product_Grid_NNC_Polyhedron_is_topologically_closed (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *ph*) [related]

7.21.2.84 int ppl_Constraints_Product_Grid_NNC_Polyhedron_is_discrete (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *ph*) [related]

7.21.2.85 int ppl_Constraints_Product_Grid_NNC_Polyhedron_topological_closure_assign (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *ph*) [related]

7.21.2.86 int ppl_Constraints_Product_Grid_NNC_Polyhedron_bounds_from_above (ppl_const_-Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.21.2.87 int ppl_Constraints_Product_Grid_NNC_Polyhedron_bounds_from_below (ppl_const_-Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.21.2.88 int ppl_Constraints_Product_Grid_NNC_Polyhedron_maximize (ppl_const_-Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int ∗ *poptimum*) [related]

7.21.2.89 int ppl_Constraints_Product_Grid_NNC_Polyhedron_minimize (ppl_const_-Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int ∗ *poptimum*) [related]

7.21.2.90 int ppl_Constraints_Product_Grid_NNC_Polyhedron_maximize_with_point (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_const_Linear_-Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int ∗ *poptimum*, ppl_Generator_t *point*) [related]

7.21.2.91 int ppl_Constraints_Product_Grid_NNC_Polyhedron_minimize_with_point (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.21.2.92 int ppl_Constraints_Product_Grid_NNC_Polyhedron_contains_Constraints_Product_Grid_NNC_Polyhedron (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *x*, ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *y*) [related]

7.21.2.93 int ppl_Constraints_Product_Grid_NNC_Polyhedron_strictly_contains_Constraints_Product_Grid_NNC_Polyhedron (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *x*, ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *y*) [related]

7.21.2.94 int ppl_Constraints_Product_Grid_NNC_Polyhedron_is_disjoint_from_Constraints_Product_Grid_NNC_Polyhedron (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *x*, ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *y*) [related]

7.21.2.95 int ppl_Constraints_Product_Grid_NNC_Polyhedron_equals_Constraints_Product_Grid_NNC_Polyhedron (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *x*, ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *y*) [related]

7.21.2.96 int ppl_Constraints_Product_Grid_NNC_Polyhedron_OK (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *ph*) [related]

7.21.2.97 int ppl_Constraints_Product_Grid_NNC_Polyhedron_add_constraint (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_const_Constraint_t *c*) [related]

7.21.2.98 int ppl_Constraints_Product_Grid_NNC_Polyhedron_add_congruence (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_const_Congruence_t *c*) [related]

7.21.2.99 int ppl_Constraints_Product_Grid_NNC_Polyhedron_add_constraints (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.21.2.100 int ppl_Constraints_Product_Grid_NNC_Polyhedron_add_congruences (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.21.2.101 int ppl_Constraints_Product_Grid_NNC_Polyhedron_refine_with_constraint (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_const_Constraint_t *c*) [related]

7.21.2.102 int ppl_Constraints_Product_Grid_NNC_Polyhedron_refine_with_congruence (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_const_Congruence_t *c*) [related]

7.21.2.103 int ppl_Constraints_Product_Grid_NNC_Polyhedron_refine_with_constraints (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.21.2.104 int ppl_Constraints_Product_Grid_NNC_Polyhedron_refine_with_congruences (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.21.2.105 int ppl_Constraints_Product_Grid_NNC_Polyhedron_intersection_assign (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *x*, ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *y*) [related]

7.21.2.106 int ppl_Constraints_Product_Grid_NNC_Polyhedron_upper_bound_assign (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *x*, ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *y*) [related]

7.21.2.107 int ppl_Constraints_Product_Grid_NNC_Polyhedron_difference_-assign (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *x*, ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *y*) [related]

7.21.2.108 int ppl_Constraints_Product_Grid_NNC_Polyhedron_concatenate_-assign (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *x*, ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *y*) [related]

7.21.2.109 int ppl_Constraints_Product_Grid_NNC_Polyhedron_time_elapse_-assign (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *x*, ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *y*) [related]

7.21.2.110 int ppl_Constraints_Product_Grid_NNC_Polyhedron_upper_bound_-assign_if_exact (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *x*, ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *y*) [related]

7.21.2.111 int ppl_Constraints_Product_Grid_NNC_Polyhedron_constrains (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_dimension_type *var*) [related]

7.21.2.112 int ppl_Constraints_Product_Grid_NNC_Polyhedron_unconstrain_space_dimension (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_dimension_type *var*) [related]

7.21.2.113 int ppl_Constraints_Product_Grid_NNC_Polyhedron_unconstrain_space_dimensions (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.21.2.114 int ppl_Constraints_Product_Grid_NNC_Polyhedron_affine_image (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.21.2.115 int ppl_Constraints_Product_Grid_NNC_Polyhedron_affine_preimage (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.21.2.116 int ppl_Constraints_Product_Grid_NNC_Polyhedron_bounded_affine_image (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.21.2.117 int ppl_Constraints_Product_Grid_NNC_Polyhedron_bounded_affine_preimage (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.21.2.118 int ppl_Constraints_Product_Grid_NNC_Polyhedron_generalized_affine_image (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.21.2.119 int ppl_Constraints_Product_Grid_NNC_Polyhedron_generalized_affine_preimage (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.21.2.120 int ppl_Constraints_Product_Grid_NNC_Polyhedron_generalized_affine_-image_lhs_rhs (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.21.2.121 int ppl_Constraints_Product_Grid_NNC_Polyhedron_generalized_affine_-preimage_lhs_rhs (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.21.2.122 int ppl_Constraints_Product_Grid_NNC_Polyhedron_add_space_dimensions_and_embed (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_dimension_type *d*) [related]

7.21.2.123 int ppl_Constraints_Product_Grid_NNC_Polyhedron_add_space_dimensions_and_project (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_dimension_type *d*) [related]

7.21.2.124 int ppl_Constraints_Product_Grid_NNC_Polyhedron_remove_space_dimensions (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.21.2.125 int ppl_Constraints_Product_Grid_NNC_Polyhedron_remove_higher_space_dimensions (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_dimension_type *d*) [related]

7.21.2.126 int ppl_Constraints_Product_Grid_NNC_Polyhedron_expand_space_dimension (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.21.2.127 int ppl_Constraints_Product_Grid_NNC_Polyhedron_fold_space_dimensions (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.21.2.128 int ppl_Constraints_Product_Grid_NNC_Polyhedron_map_space_dimensions (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.21.2.129 int ppl_Constraints_Product_Grid_NNC_Polyhedron_drop_some_non_integer_points (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *ph*, int *complexity*) [related]

7.21.2.130 int ppl_Constraints_Product_Grid_NNC_Polyhedron_drop_some_non_integer_points_2 (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.21.2.131 int ppl_Constraints_Product_Grid_NNC_Polyhedron_external_memory_in_bytes (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *ps*, size_t * *sz*) [related]

7.21.2.132 int ppl_Constraints_Product_Grid_NNC_Polyhedron_total_memory_in_bytes (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *ps*, size_t * *sz*) [related]

7.21.2.133 int ppl_Constraints_Product_Grid_NNC_Polyhedron_widening_assign_with_tokens (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *x*, ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *y*, unsigned * *tp*) [related]

7.21.2.134 int ppl_Constraints_Product_Grid_NNC_Polyhedron_widening_assign (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *x*, ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *y*) [related]

7.21.2.135 int ppl_io_print_Constraints_Product_Grid_NNC_Polyhedron (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *x*) [related]

7.21.2.136 int ppl_io_fprint_Constraints_Product_Grid_NNC_Polyhedron (FILE * *stream*, ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *x*) [related]

7.21.2.137 int ppl_io_asprint_Constraints_Product_Grid_NNC_Polyhedron (char ** *strp*, ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *x*) [related]

7.21.2.138 int ppl_Constraints_Product_Grid_NNC_Polyhedron_ascii_dump (ppl_const_Constraints_Product_Grid_NNC_Polyhedron_t *x*, FILE * *stream*) [related]

7.21.2.139 int ppl_Constraints_Product_Grid_NNC_Polyhedron_ascii_load (ppl_Constraints_Product_Grid_NNC_Polyhedron_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.22 ppl_Constraints_Product_NNC_Polyhedron_Grid_tag Interface Reference

Types and functions for ppl_Constraints_Product_NNC_Polyhedron_Grid_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Constraints_Product_NNC_Polyhedron_Grid (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t ph)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_space_dimension (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Int8_Box (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Int8_Box_t ph)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Int16_Box (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Int32_Box (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Int64_Box (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Uint8_Box (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Uint16_Box (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Uint16_Box_t ph)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Uint32_Box (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Uint64_Box (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Z_Box (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Z_Box_t ph)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Rational_Box (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_BD_Shape_int8_t (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_BD_Shape_int8_t_t ph)

- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_BD_Shape_int16_t (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_BD_Shape_int32_t (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_BD_Shape_int64_t (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_BD_Shape_mpz_class (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_BD_Shape_mpq_class (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Octagonal_Shape_int8_t (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Octagonal_Shape_int16_t (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Octagonal_Shape_int32_t (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Octagonal_Shape_int64_t (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Octagonal_Shape_mpz_class (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Octagonal_Shape_mpq_class (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_C_Polyhedron (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_NNC_Polyhedron (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Grid (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Grid_t ph)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Float_Box (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_BD_Shape_float (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_BD_Shape_float_t ph)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Octagonal_Shape_float (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Double_Box (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Double_Box_t ph)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_BD_Shape_double (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_BD_Shape_double_t ph)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Octagonal_Shape_double (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Long_Double_Box (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Long_Double_Box_t ph)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_BD_Shape_long_double (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Octagonal_Shape_long_double (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Constraints_Product_NNC_Polyhedron_Grid (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t ph)

- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Int8_Box_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Int8_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Int16_Box_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Int32_Box_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Int64_Box_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Uint8_Box_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Uint16_Box_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Uint32_Box_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Uint32_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Uint64_Box_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Z_Box_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Rational_Box_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_BD_Shape_int8_t_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_BD_Shape_int16_t_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_BD_Shape_int32_t_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_BD_Shape_int64_t_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_BD_Shape_mpz_class_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_BD_Shape_mpq_class_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Octagonal_Shape_int8_t_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Octagonal_Shape_int16_t_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)

- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Octagonal_Shape_int32_t_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Octagonal_Shape_int64_t_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_C_Polyhedron_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_NNC_Polyhedron_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Grid_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Float_Box_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_BD_Shape_float_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Octagonal_Shape_float_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Double_Box_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_BD_Shape_double_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Octagonal_Shape_double_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Long_Double_Box_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_BD_Shape_long_double_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Octagonal_Shape_long_double_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Constraints_Product_NNC_Polyhedron_Grid_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t ph, int complexity)
- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Constraint_System (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Constraint_System_t cs)

- int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Congruence_System (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_space_dimension (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t ph, ppl_dimension_type *m)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_affine_dimension (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t ph, ppl_dimension_type *m)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_relation_with_Constraint (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t ph, ppl_const_Constraint_t c)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_relation_with_Generator (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t ph, ppl_const_Generator_t c)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_relation_with_Congruence (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t ph, ppl_const_Congruence_t c)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_is_empty (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t ph)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_is_universe (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t ph)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_is_bounded (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t ph)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_is_topologically_closed (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t ph)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_is_discrete (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t ph)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_topological_closure_assign (ppl_Constraints_Product_NNC_Polyhedron_Grid_t ph)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_bounds_from_above (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_bounds_from_below (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_maximize (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_minimize (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_maximize_with_point (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_minimize_with_point (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_contains_Constraints_Product_NNC_Polyhedron_Grid (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t x, ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t y)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_strictly_contains_Constraints_Product_NNC_Polyhedron_Grid (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t x, ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t y)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_is_disjoint_from_Constraints_Product_NNC_Polyhedron_Grid (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t x, ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t y)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_equals_Constraints_Product_NNC_Polyhedron_Grid (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t x, ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t y)

- int ppl_Constraints_Product_NNC_Polyhedron_Grid_OK (ppl_const_Constraints_Product_NNC_-Polyhedron_Grid_t ph)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_add_constraint (ppl_Constraints_Product_-NNC_Polyhedron_Grid_t ph, ppl_const_Constraint_t c)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_add_congruence (ppl_Constraints_Product_-NNC_Polyhedron_Grid_t ph, ppl_const_Congruence_t c)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_add_constraints (ppl_Constraints_Product_-NNC_Polyhedron_Grid_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_add_congruences (ppl_Constraints_-Product_NNC_Polyhedron_Grid_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_refine_with_constraint (ppl_Constraints_-Product_NNC_Polyhedron_Grid_t ph, ppl_const_Constraint_t c)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_refine_with_congruence (ppl_Constraints_-Product_NNC_Polyhedron_Grid_t ph, ppl_const_Congruence_t c)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_refine_with_constraints (ppl_Constraints_-Product_NNC_Polyhedron_Grid_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_refine_with_congruences (ppl_Constraints_-Product_NNC_Polyhedron_Grid_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_intersection_assign (ppl_Constraints_-Product_NNC_Polyhedron_Grid_t x, ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t y)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_upper_bound_assign (ppl_Constraints_-Product_NNC_Polyhedron_Grid_t x, ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t y)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_difference_assign (ppl_Constraints_-Product_NNC_Polyhedron_Grid_t x, ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t y)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_concatenate_assign (ppl_Constraints_-Product_NNC_Polyhedron_Grid_t x, ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t y)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_time_elapse_assign (ppl_Constraints_-Product_NNC_Polyhedron_Grid_t x, ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t y)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_upper_bound_assign_if_exact (ppl_-Constraints_Product_NNC_Polyhedron_Grid_t x, ppl_const_Constraints_Product_NNC_-Polyhedron_Grid_t y)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_constrains (ppl_Constraints_Product_NNC_-Polyhedron_Grid_t ph, ppl_dimension_type var)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_unconstrain_space_dimension (ppl_-Constraints_Product_NNC_Polyhedron_Grid_t ph, ppl_dimension_type var)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_unconstrain_space_dimensions (ppl_-Constraints_Product_NNC_Polyhedron_Grid_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_affine_image (ppl_Constraints_Product_-NNC_Polyhedron_Grid_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_affine_preimage (ppl_Constraints_Product_-NNC_Polyhedron_Grid_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_-const_Coefficient_t d)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_bounded_affine_image (ppl_Constraints_-Product_NNC_Polyhedron_Grid_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)

- int ppl_Constraints_Product_NNC_Polyhedron_Grid_bounded_affine_preimage (ppl_Constraints_Product_NNC_Polyhedron_Grid_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_generalized_affine_image (ppl_Constraints_Product_NNC_Polyhedron_Grid_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_generalized_affine_preimage (ppl_Constraints_Product_NNC_Polyhedron_Grid_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_generalized_affine_image_lhs_rhs (ppl_Constraints_Product_NNC_Polyhedron_Grid_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_generalized_affine_preimage_lhs_rhs (ppl_Constraints_Product_NNC_Polyhedron_Grid_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_add_space_dimensions_and_embed (ppl_Constraints_Product_NNC_Polyhedron_Grid_t ph, ppl_dimension_type d)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_add_space_dimensions_and_project (ppl_Constraints_Product_NNC_Polyhedron_Grid_t ph, ppl_dimension_type d)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_remove_space_dimensions (ppl_Constraints_Product_NNC_Polyhedron_Grid_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_remove_higher_space_dimensions (ppl_Constraints_Product_NNC_Polyhedron_Grid_t ph, ppl_dimension_type d)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_expand_space_dimension (ppl_Constraints_Product_NNC_Polyhedron_Grid_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_fold_space_dimensions (ppl_Constraints_Product_NNC_Polyhedron_Grid_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_map_space_dimensions (ppl_Constraints_Product_NNC_Polyhedron_Grid_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_drop_some_non_integer_points (ppl_Constraints_Product_NNC_Polyhedron_Grid_t ph, int complexity)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_drop_some_non_integer_points_2 (ppl_Constraints_Product_NNC_Polyhedron_Grid_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_external_memory_in_bytes (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t ps, size_t *sz)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_total_memory_in_bytes (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t ps, size_t *sz)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_widening_assign_with_tokens (ppl_Constraints_Product_NNC_Polyhedron_Grid_t x, ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t y, unsigned *tp)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_widening_assign (ppl_Constraints_Product_NNC_Polyhedron_Grid_t x, ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t y)
- int ppl_io_print_Constraints_Product_NNC_Polyhedron_Grid (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t x)
- int ppl_io_fprint_Constraints_Product_NNC_Polyhedron_Grid (FILE *stream, ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t x)
- int ppl_io_asprint_Constraints_Product_NNC_Polyhedron_Grid (char **strp, ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t x)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_ascii_dump (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t x, FILE *stream)
- int ppl_Constraints_Product_NNC_Polyhedron_Grid_ascii_load (ppl_Constraints_Product_NNC_Polyhedron_Grid_t x, FILE *stream)

7.22.1 Detailed Description

Types and functions for ppl_Constraints_Product_NNC_Polyhedron_Grid_tag.

7.22.2 Friends And Related Function Documentation

7.22.2.1 int ppl_delete_Constraints_Product_NNC_Polyhedron_Grid (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *ph*) [related]

7.22.2.2 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_space_dimension (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.22.2.3 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Int8_Box (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.22.2.4 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Int16_Box (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.22.2.5 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Int32_Box (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.22.2.6 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Int64_Box (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.22.2.7 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Uint8_Box (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.22.2.8 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Uint16_Box (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.22.2.9 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Uint32_Box (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.22.2.10 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Uint64_Box (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.22.2.11 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Z_Box (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.22.2.12 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Rational_Box (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.22.2.13 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_BD_Shape_int8_t (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.22.2.14 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_BD_Shape_int16_t (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.22.2.15 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_BD_Shape_int32_t (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.22.2.16 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_BD_Shape_int64_t (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.22.2.17 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_BD_Shape_mpz_class (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.22.2.18 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_BD_Shape_mpq_class (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.22.2.19 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Octagonal_Shape_int8_t (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.22.2.20 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Octagonal_Shape_int16_t (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.22.2.21 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Octagonal_Shape_int32_t (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.22.2.22 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Octagonal_Shape_int64_t (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.22.2.23 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Octagonal_Shape_mpz_class (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.22.2.24 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Octagonal_-Shape_mpq_class (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.22.2.25 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_C_Polyhedron (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.22.2.26 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_NNC_Polyhedron (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.22.2.27 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Grid (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.22.2.28 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Float_Box (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.22.2.29 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_BD_-Shape_float (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.22.2.30 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Octagonal_-Shape_float (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.22.2.31 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Double_Box (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.22.2.32 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_BD_-Shape_double (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.22.2.33 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Octagonal_-Shape_double (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.22.2.34 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Long_-Double_Box (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.22.2.35 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_BD_Shape_-long_double (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.22.2.36 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Octagonal_-Shape_long_double (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.22.2.37 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Constraints_-Product_NNC_Polyhedron_Grid (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *ph*) [related]

7.22.2.38 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Int8_Box_-with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.22.2.39 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Int16_Box_-with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.22.2.40 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Int32_Box_-with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.22.2.41 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Int64_Box_-with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.22.2.42 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Uint8_Box_-with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.22.2.43 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Uint16_Box_-with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.22.2.44 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Uint32_Box_-with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.22.2.45 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Uint64_Box_-with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.22.2.46 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Z_Box_-with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.22.2.47 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Rational_Box_-with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.22.2.48 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_BD_Shape_int8_t_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.22.2.49 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_BD_Shape_int16_t_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.22.2.50 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_BD_Shape_int32_t_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.22.2.51 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_BD_Shape_int64_t_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.22.2.52 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_BD_Shape_mpz_class_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.22.2.53 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_BD_Shape_mpq_class_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.22.2.54 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Octagonal_Shape_int8_t_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.22.2.55 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Octagonal_Shape_int16_t_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.22.2.56 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Octagonal_Shape_int32_t_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.22.2.57 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Octagonal_Shape_int64_t_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.22.2.58 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.22.2.59 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.22.2.60 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_C_Polyhedron_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.22.2.61 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_NNC_Polyhedron_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.22.2.62 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Grid_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.22.2.63 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Float_Box_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.22.2.64 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_BD_Shape_-float_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.22.2.65 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Octagonal_Shape_-float_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.22.2.66 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Double_Box_-with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.22.2.67 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_BD_Shape_-double_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.22.2.68 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Octagonal_Shape_-double_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.22.2.69 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Long_Double_-Box_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.22.2.70 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_BD_Shape_long_-double_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.22.2.71 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Octagonal_Shape_-long_double_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.22.2.72 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_-Constraints_Product_NNC_Polyhedron_Grid_with_complexity (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_-Constraints_Product_NNC_Polyhedron_Grid_t *ph*, int *complexity*) [related]

7.22.2.73 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Constraint_-System (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.22.2.74 int ppl_new_Constraints_Product_NNC_Polyhedron_Grid_from_Congruence_-System (ppl_Constraints_Product_NNC_Polyhedron_Grid_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.22.2.75 int ppl_Constraints_Product_NNC_Polyhedron_Grid_space_dimension (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_dimension_type * *m*) [related]

7.22.2.76 int ppl_Constraints_Product_NNC_Polyhedron_Grid_affine_dimension (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_dimension_type * *m*) [related]

7.22.2.77 int ppl_Constraints_Product_NNC_Polyhedron_Grid_relation_with_Constraint (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_const_Constraint_t *c*) [related]

7.22.2.78 int ppl_Constraints_Product_NNC_Polyhedron_Grid_relation_with_Generator (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_const_Generator_t *c*) [related]

7.22.2.79 int ppl_Constraints_Product_NNC_Polyhedron_Grid_relation_with_Congruence (ppl_-const_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_const_Congruence_t *c*) [related]

7.22.2.80 int ppl_Constraints_Product_NNC_Polyhedron_Grid_is_empty (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *ph*) [related]

7.22.2.81 int ppl_Constraints_Product_NNC_Polyhedron_Grid_is_universe (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *ph*) [related]

7.22.2.82 int ppl_Constraints_Product_NNC_Polyhedron_Grid_is_bounded (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *ph*) [related]

7.22.2.83 int ppl_Constraints_Product_NNC_Polyhedron_Grid_is_topologically_closed (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *ph*) [related]

7.22.2.84 int ppl_Constraints_Product_NNC_Polyhedron_Grid_is_discrete (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *ph*) [related]

7.22.2.85 int ppl_Constraints_Product_NNC_Polyhedron_Grid_topological_closure_assign (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *ph*) [related]

7.22.2.86 int ppl_Constraints_Product_NNC_Polyhedron_Grid_bounds_from_above (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.22.2.87 int ppl_Constraints_Product_NNC_Polyhedron_Grid_bounds_from_below (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.22.2.88 int ppl_Constraints_Product_NNC_Polyhedron_Grid_maximize (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.22.2.89 int ppl_Constraints_Product_NNC_Polyhedron_Grid_minimize (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.22.2.90 int ppl_Constraints_Product_NNC_Polyhedron_Grid_maximize_with_point (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.22.2.91 int ppl_Constraints_Product_NNC_Polyhedron_Grid_minimize_with_point (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.22.2.92 int ppl_Constraints_Product_NNC_Polyhedron_Grid_contains_Constraints_Product_NNC_Polyhedron_Grid (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *x*, ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *y*) [related]

7.22.2.93 int ppl_Constraints_Product_NNC_Polyhedron_Grid_strictly_contains_Constraints_Product_NNC_Polyhedron_Grid (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *x*, ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *y*) [related]

7.22.2.94 int ppl_Constraints_Product_NNC_Polyhedron_Grid_is_disjoint_from_Constraints_Product_NNC_Polyhedron_Grid (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *x*, ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *y*) [related]

7.22.2.95 int ppl_Constraints_Product_NNC_Polyhedron_Grid_equals_Constraints_Product_NNC_Polyhedron_Grid (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *x*, ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *y*) [related]

7.22.2.96 int ppl_Constraints_Product_NNC_Polyhedron_Grid_OK (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *ph*) [related]

7.22.2.97 int ppl_Constraints_Product_NNC_Polyhedron_Grid_add_constraint (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_const_Constraint_t *c*) [related]

7.22.2.98 int ppl_Constraints_Product_NNC_Polyhedron_Grid_add_congruence (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_const_Congruence_t *c*) [related]

7.22.2.99 int ppl_Constraints_Product_NNC_Polyhedron_Grid_add_constraints (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.22.2.100 int ppl_Constraints_Product_NNC_Polyhedron_Grid_add_congruences (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.22.2.101 int ppl_Constraints_Product_NNC_Polyhedron_Grid_refine_with_constraint (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_const_Constraint_t *c*) [related]

7.22.2.102 int ppl_Constraints_Product_NNC_Polyhedron_Grid_refine_with_congruence (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_const_Congruence_t *c*) [related]

7.22.2.103 int ppl_Constraints_Product_NNC_Polyhedron_Grid_refine_with_constraints (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.22.2.104 int ppl_Constraints_Product_NNC_Polyhedron_Grid_refine_with_congruences (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.22.2.105 int ppl_Constraints_Product_NNC_Polyhedron_Grid_intersection_assign (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *x*, ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *y*) [related]

7.22.2.106 int ppl_Constraints_Product_NNC_Polyhedron_Grid_upper_bound_assign (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *x*, ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *y*) [related]

7.22.2.107 int ppl_Constraints_Product_NNC_Polyhedron_Grid_difference_assign (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *x*, ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *y*) [related]

7.22.2.108 int ppl_Constraints_Product_NNC_Polyhedron_Grid_concatenate_assign (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *x*, ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *y*) [related]

7.22.2.109 int ppl_Constraints_Product_NNC_Polyhedron_Grid_time_elapse_assign (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *x*, ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *y*) [related]

7.22.2.110 int ppl_Constraints_Product_NNC_Polyhedron_Grid_upper_bound_assign_if_exact (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *x*, ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *y*) [related]

7.22.2.111 int ppl_Constraints_Product_NNC_Polyhedron_Grid_constrains (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_dimension_type *var*) [related]

7.22.2.112 int ppl_Constraints_Product_NNC_Polyhedron_Grid_unconstrain_space_dimension (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_dimension_type *var*) [related]

7.22.2.113 int ppl_Constraints_Product_NNC_Polyhedron_Grid_unconstrain_space_dimensions (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.22.2.114 int ppl_Constraints_Product_NNC_Polyhedron_Grid_affine_image (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.22.2.115 int ppl_Constraints_Product_NNC_Polyhedron_Grid_affine_preimage (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.22.2.116 int ppl_Constraints_Product_NNC_Polyhedron_Grid_bounded_affine_image (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.22.2.117 int ppl_Constraints_Product_NNC_Polyhedron_Grid_bounded_affine_preimage (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.22.2.118 int ppl_Constraints_Product_NNC_Polyhedron_Grid_generalized_affine_image (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.22.2.119 int ppl_Constraints_Product_NNC_Polyhedron_Grid_generalized_affine_preimage (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.22.2.120 int ppl_Constraints_Product_NNC_Polyhedron_Grid_generalized_affine_image_lhs_rhs (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.22.2.121 int ppl_Constraints_Product_NNC_Polyhedron_Grid_generalized_affine_preimage_lhs_rhs (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.22.2.122 int ppl_Constraints_Product_NNC_Polyhedron_Grid_add_space_dimensions_and_embed (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_dimension_type *d*) [related]

7.22.2.123 int ppl_Constraints_Product_NNC_Polyhedron_Grid_add_space_dimensions_and_project (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_dimension_type *d*) [related]

7.22.2.124 int ppl_Constraints_Product_NNC_Polyhedron_Grid_remove_space_dimensions (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.22.2.125 int ppl_Constraints_Product_NNC_Polyhedron_Grid_remove_higher_space_dimensions (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_dimension_type *d*) [related]

7.22.2.126 int ppl_Constraints_Product_NNC_Polyhedron_Grid_expand_space_dimension (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.22.2.127 int ppl_Constraints_Product_NNC_Polyhedron_Grid_fold_space_dimensions (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.22.2.128 int ppl_Constraints_Product_NNC_Polyhedron_Grid_map_space_dimensions (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.22.2.129 int ppl_Constraints_Product_NNC_Polyhedron_Grid_drop_some_non_integer_points (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, int *complexity*) [related]

7.22.2.130 int ppl_Constraints_Product_NNC_Polyhedron_Grid_drop_some_non_integer_points_2 (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.22.2.131 int ppl_Constraints_Product_NNC_Polyhedron_Grid_external_memory_in_bytes (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *ps*, size_t * *sz*) [related]

7.22.2.132 int ppl_Constraints_Product_NNC_Polyhedron_Grid_total_memory_in_bytes (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *ps*, size_t * *sz*) [related]

7.22.2.133 int ppl_Constraints_Product_NNC_Polyhedron_Grid_widening_assign_with_tokens (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *x*, ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *y*, unsigned * *tp*) [related]

7.22.2.134 int ppl_Constraints_Product_NNC_Polyhedron_Grid_widening_-assign (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *x*, ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *y*) [related]

7.22.2.135 int ppl_io_print_Constraints_Product_NNC_Polyhedron_Grid (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *x*) [related]

7.22.2.136 int ppl_io_fprint_Constraints_Product_NNC_Polyhedron_Grid (FILE * *stream*, ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *x*) [related]

7.22.2.137 int ppl_io_asprint_Constraints_Product_NNC_Polyhedron_Grid (char ** *strp*, ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *x*) [related]

7.22.2.138 int ppl_Constraints_Product_NNC_Polyhedron_Grid_ascii_dump (ppl_const_Constraints_Product_NNC_Polyhedron_Grid_t *x*, FILE * *stream*) [related]

7.22.2.139 int ppl_Constraints_Product_NNC_Polyhedron_Grid_ascii_load (ppl_Constraints_Product_NNC_Polyhedron_Grid_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.23 ppl_Double_Box_tag Interface Reference

Types and functions for ppl_Double_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Double_Box (ppl_const_Double_Box_t ph)
- int ppl_new_Double_Box_from_space_dimension (ppl_Double_Box_t *pph, ppl_dimension_type d, int empty)

- int ppl_new_Double_Box_from_Int8_Box (ppl_Double_Box_t *pph, ppl_const_Int8_Box_t ph)
- int ppl_new_Double_Box_from_Int16_Box (ppl_Double_Box_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_Double_Box_from_Int32_Box (ppl_Double_Box_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_Double_Box_from_Int64_Box (ppl_Double_Box_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_Double_Box_from_Uint8_Box (ppl_Double_Box_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_Double_Box_from_Uint16_Box (ppl_Double_Box_t *pph, ppl_const_Uint16_Box_t ph)
- int ppl_new_Double_Box_from_Uint32_Box (ppl_Double_Box_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_Double_Box_from_Uint64_Box (ppl_Double_Box_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_Double_Box_from_Z_Box (ppl_Double_Box_t *pph, ppl_const_Z_Box_t ph)
- int ppl_new_Double_Box_from_Rational_Box (ppl_Double_Box_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_Double_Box_from_BD_Shape_int8_t (ppl_Double_Box_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_Double_Box_from_BD_Shape_int16_t (ppl_Double_Box_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_Double_Box_from_BD_Shape_int32_t (ppl_Double_Box_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_Double_Box_from_BD_Shape_int64_t (ppl_Double_Box_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_Double_Box_from_BD_Shape_mpz_class (ppl_Double_Box_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_Double_Box_from_BD_Shape_mpq_class (ppl_Double_Box_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_Double_Box_from_Octagonal_Shape_int8_t (ppl_Double_Box_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_Double_Box_from_Octagonal_Shape_int16_t (ppl_Double_Box_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_Double_Box_from_Octagonal_Shape_int32_t (ppl_Double_Box_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_Double_Box_from_Octagonal_Shape_int64_t (ppl_Double_Box_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_Double_Box_from_Octagonal_Shape_mpz_class (ppl_Double_Box_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_Double_Box_from_Octagonal_Shape_mpq_class (ppl_Double_Box_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_Double_Box_from_C_Polyhedron (ppl_Double_Box_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Double_Box_from_NNC_Polyhedron (ppl_Double_Box_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Double_Box_from_Grid (ppl_Double_Box_t *pph, ppl_const_Grid_t ph)
- int ppl_new_Double_Box_from_Float_Box (ppl_Double_Box_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_Double_Box_from_BD_Shape_float (ppl_Double_Box_t *pph, ppl_const_BD_Shape_float_t ph)
- int ppl_new_Double_Box_from_Octagonal_Shape_float (ppl_Double_Box_t *pph, ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_Double_Box_from_Double_Box (ppl_Double_Box_t *pph, ppl_const_Double_Box_t ph)
- int ppl_new_Double_Box_from_BD_Shape_double (ppl_Double_Box_t *pph, ppl_const_BD_Shape_double_t ph)

- int ppl_new_Double_Box_from_Octagonal_Shape_double (ppl_Double_Box_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_Double_Box_from_Long_Double_Box (ppl_Double_Box_t *pph, ppl_const_Long_Double_Box_t ph)
- int ppl_new_Double_Box_from_BD_Shape_long_double (ppl_Double_Box_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_Double_Box_from_Octagonal_Shape_long_double (ppl_Double_Box_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_Double_Box_from_Int8_Box_with_complexity (ppl_Double_Box_t *pph, ppl_const_Int8_Box_t ph, int complexity)
- int ppl_new_Double_Box_from_Int16_Box_with_complexity (ppl_Double_Box_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_Double_Box_from_Int32_Box_with_complexity (ppl_Double_Box_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_Double_Box_from_Int64_Box_with_complexity (ppl_Double_Box_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_Double_Box_from_Uint8_Box_with_complexity (ppl_Double_Box_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_Double_Box_from_Uint16_Box_with_complexity (ppl_Double_Box_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_Double_Box_from_Uint32_Box_with_complexity (ppl_Double_Box_t *pph, ppl_const_Uint32_Box_t ph, int complexity)
- int ppl_new_Double_Box_from_Uint64_Box_with_complexity (ppl_Double_Box_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_Double_Box_from_Z_Box_with_complexity (ppl_Double_Box_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_Double_Box_from_Rational_Box_with_complexity (ppl_Double_Box_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_Double_Box_from_BD_Shape_int8_t_with_complexity (ppl_Double_Box_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)
- int ppl_new_Double_Box_from_BD_Shape_int16_t_with_complexity (ppl_Double_Box_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_Double_Box_from_BD_Shape_int32_t_with_complexity (ppl_Double_Box_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_Double_Box_from_BD_Shape_int64_t_with_complexity (ppl_Double_Box_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_Double_Box_from_BD_Shape_mpz_class_with_complexity (ppl_Double_Box_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Double_Box_from_BD_Shape_mpq_class_with_complexity (ppl_Double_Box_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Double_Box_from_Octagonal_Shape_int8_t_with_complexity (ppl_Double_Box_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_Double_Box_from_Octagonal_Shape_int16_t_with_complexity (ppl_Double_Box_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_Double_Box_from_Octagonal_Shape_int32_t_with_complexity (ppl_Double_Box_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_Double_Box_from_Octagonal_Shape_int64_t_with_complexity (ppl_Double_Box_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_new_Double_Box_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Double_Box_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Double_Box_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Double_Box_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)

- int ppl_new_Double_Box_from_C_Polyhedron_with_complexity (ppl_Double_Box_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Double_Box_from_NNC_Polyhedron_with_complexity (ppl_Double_Box_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Double_Box_from_Grid_with_complexity (ppl_Double_Box_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_Double_Box_from_Float_Box_with_complexity (ppl_Double_Box_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_Double_Box_from_BD_Shape_float_with_complexity (ppl_Double_Box_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)
- int ppl_new_Double_Box_from_Octagonal_Shape_float_with_complexity (ppl_Double_Box_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_Double_Box_from_Double_Box_with_complexity (ppl_Double_Box_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_Double_Box_from_BD_Shape_double_with_complexity (ppl_Double_Box_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_Double_Box_from_Octagonal_Shape_double_with_complexity (ppl_Double_Box_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_Double_Box_from_Long_Double_Box_with_complexity (ppl_Double_Box_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_Double_Box_from_BD_Shape_long_double_with_complexity (ppl_Double_Box_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_Double_Box_from_Octagonal_Shape_long_double_with_complexity (ppl_Double_Box_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_Double_Box_from_Constraint_System (ppl_Double_Box_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Double_Box_from_Congruence_System (ppl_Double_Box_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_new_Double_Box_from_Generator_System (ppl_Double_Box_t *pph, ppl_const_Generator_System_t cs)
- int ppl_Double_Box_space_dimension (ppl_const_Double_Box_t ph, ppl_dimension_type *m)
- int ppl_Double_Box_affine_dimension (ppl_const_Double_Box_t ph, ppl_dimension_type *m)
- int ppl_Double_Box_relation_with_Constraint (ppl_const_Double_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Double_Box_relation_with_Generator (ppl_const_Double_Box_t ph, ppl_const_Generator_t c)
- int ppl_Double_Box_relation_with_Congruence (ppl_const_Double_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Double_Box_get_constraints (ppl_const_Double_Box_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Double_Box_get_congruences (ppl_const_Double_Box_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Double_Box_get_minimized_constraints (ppl_const_Double_Box_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Double_Box_get_minimized_congruences (ppl_const_Double_Box_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Double_Box_is_empty (ppl_const_Double_Box_t ph)
- int ppl_Double_Box_is_universe (ppl_const_Double_Box_t ph)
- int ppl_Double_Box_is_bounded (ppl_const_Double_Box_t ph)
- int ppl_Double_Box_contains_integer_point (ppl_const_Double_Box_t ph)
- int ppl_Double_Box_is_topologically_closed (ppl_const_Double_Box_t ph)

- int ppl_Double_Box_is_discrete (ppl_const_Double_Box_t ph)
- int ppl_Double_Box_topological_closure_assign (ppl_Double_Box_t ph)
- int ppl_Double_Box_bounds_from_above (ppl_const_Double_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Double_Box_bounds_from_below (ppl_const_Double_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Double_Box_maximize (ppl_const_Double_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Double_Box_minimize (ppl_const_Double_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Double_Box_maximize_with_point (ppl_const_Double_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Double_Box_minimize_with_point (ppl_const_Double_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Double_Box_frequency (ppl_const_Double_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_fn, ppl_Coefficient_t ext_fd, ppl_Coefficient_t ext_vn, ppl_Coefficient_t ext_vd)
- int ppl_Double_Box_contains_Double_Box (ppl_const_Double_Box_t x, ppl_const_Double_Box_t y)
- int ppl_Double_Box_strictly_contains_Double_Box (ppl_const_Double_Box_t x, ppl_const_Double_Box_t y)
- int ppl_Double_Box_is_disjoint_from_Double_Box (ppl_const_Double_Box_t x, ppl_const_Double_Box_t y)
- int ppl_Double_Box_equals_Double_Box (ppl_const_Double_Box_t x, ppl_const_Double_Box_t y)
- int ppl_Double_Box_OK (ppl_const_Double_Box_t ph)
- int ppl_Double_Box_add_constraint (ppl_Double_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Double_Box_add_congruence (ppl_Double_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Double_Box_add_constraints (ppl_Double_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Double_Box_add_congruences (ppl_Double_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Double_Box_refine_with_constraint (ppl_Double_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Double_Box_refine_with_congruence (ppl_Double_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Double_Box_refine_with_constraints (ppl_Double_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Double_Box_refine_with_congruences (ppl_Double_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Double_Box_intersection_assign (ppl_Double_Box_t x, ppl_const_Double_Box_t y)
- int ppl_Double_Box_upper_bound_assign (ppl_Double_Box_t x, ppl_const_Double_Box_t y)
- int ppl_Double_Box_difference_assign (ppl_Double_Box_t x, ppl_const_Double_Box_t y)
- int ppl_Double_Box_concatenate_assign (ppl_Double_Box_t x, ppl_const_Double_Box_t y)
- int ppl_Double_Box_time_elapse_assign (ppl_Double_Box_t x, ppl_const_Double_Box_t y)
- int ppl_Double_Box_upper_bound_assign_if_exact (ppl_Double_Box_t x, ppl_const_Double_Box_t y)
- int ppl_Double_Box_simplify_using_context_assign (ppl_Double_Box_t x, ppl_const_Double_Box_t y)
- int ppl_Double_Box_constrains (ppl_Double_Box_t ph, ppl_dimension_type var)
- int ppl_Double_Box_unconstrain_space_dimension (ppl_Double_Box_t ph, ppl_dimension_type var)

- int ppl_Double_Box_unconstrain_space_dimensions (ppl_Double_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Double_Box_affine_image (ppl_Double_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Double_Box_affine_preimage (ppl_Double_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Double_Box_bounded_affine_image (ppl_Double_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Double_Box_bounded_affine_preimage (ppl_Double_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Double_Box_generalized_affine_image (ppl_Double_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Double_Box_generalized_affine_preimage (ppl_Double_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Double_Box_generalized_affine_image_lhs_rhs (ppl_Double_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Double_Box_generalized_affine_preimage_lhs_rhs (ppl_Double_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Double_Box_add_space_dimensions_and_embed (ppl_Double_Box_t ph, ppl_dimension_type d)
- int ppl_Double_Box_add_space_dimensions_and_project (ppl_Double_Box_t ph, ppl_dimension_type d)
- int ppl_Double_Box_remove_space_dimensions (ppl_Double_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Double_Box_remove_higher_space_dimensions (ppl_Double_Box_t ph, ppl_dimension_type d)
- int ppl_Double_Box_expand_space_dimension (ppl_Double_Box_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Double_Box_fold_space_dimensions (ppl_Double_Box_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Double_Box_map_space_dimensions (ppl_Double_Box_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Double_Box_drop_some_non_integer_points (ppl_Double_Box_t ph, int complexity)
- int ppl_Double_Box_drop_some_non_integer_points_2 (ppl_Double_Box_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Double_Box_external_memory_in_bytes (ppl_const_Double_Box_t ps, size_t *sz)
- int ppl_Double_Box_total_memory_in_bytes (ppl_const_Double_Box_t ps, size_t *sz)
- int ppl_Double_Box_CC76_widening_assign_with_tokens (ppl_Double_Box_t x, ppl_const_Double_Box_t y, unsigned *tp)
- int ppl_Double_Box_CC76_widening_assign (ppl_Double_Box_t x, ppl_const_Double_Box_t y)
- int ppl_Double_Box_widening_assign_with_tokens (ppl_Double_Box_t x, ppl_const_Double_Box_t y, unsigned *tp)
- int ppl_Double_Box_widening_assign (ppl_Double_Box_t x, ppl_const_Double_Box_t y)
- int ppl_Double_Box_limited_CC76_extrapolation_assign_with_tokens (ppl_Double_Box_t x, ppl_const_Double_Box_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_Double_Box_limited_CC76_extrapolation_assign (ppl_Double_Box_t x, ppl_const_Double_Box_t y, ppl_const_Constraint_System_t cs)

- int ppl_Double_Box_linear_partition (ppl_const_Double_Box_t x, ppl_const_Double_Box_t y, ppl_Double_Box_t *p_inters, ppl_Pointset_Powerset_NNC_Polyhedron_t *p_rest)
- int ppl_Double_Box_wrap_assign (ppl_Double_Box_t ph, ppl_dimension_type ds[ ], size_t n, enum ppl_enum_Bounded_Integer_Type_Width w, enum ppl_enum_Bounded_Integer_Type_Representation r, enum ppl_enum_Bounded_Integer_Type_Overflow o, const ppl_const_Constraint_System_t *pcs, unsigned complexity_threshold, int wrap_individually)
- int ppl_new_Double_Box_recycle_Constraint_System (ppl_Double_Box_t *pph, ppl_Constraint_System_t cs)
- int ppl_new_Double_Box_recycle_Congruence_System (ppl_Double_Box_t *pph, ppl_Congruence_System_t cs)
- int ppl_new_Double_Box_recycle_Generator_System (ppl_Double_Box_t *pph, ppl_Generator_System_t cs)
- int ppl_assign_Double_Box_from_Double_Box (ppl_Double_Box_t dst, ppl_const_Double_Box_t src)
- int ppl_Double_Box_add_recycled_constraints (ppl_Double_Box_t ph, ppl_Constraint_System_t cs)
- int ppl_Double_Box_add_recycled_congruences (ppl_Double_Box_t ph, ppl_Congruence_System_t cs)
- int ppl_termination_test_MS_Double_Box (ppl_const_Double_Box_t pset)
- int ppl_termination_test_PR_Double_Box (ppl_const_Double_Box_t pset)
- int ppl_one_affine_ranking_function_MS_Double_Box (ppl_const_Double_Box_t pset, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Double_Box (ppl_const_Double_Box_t pset, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Double_Box (ppl_const_Double_Box_t pset, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Double_Box (ppl_const_Double_Box_t pset, ppl_Polyhedron_t ph)
- int ppl_termination_test_MS_Double_Box_2 (ppl_const_Double_Box_t pset_before, ppl_const_Double_Box_t pset_after)
- int ppl_termination_test_PR_Double_Box_2 (ppl_const_Double_Box_t pset_before, ppl_const_Double_Box_t pset_after)
- int ppl_one_affine_ranking_function_MS_Double_Box_2 (ppl_const_Double_Box_t pset_before, ppl_const_Double_Box_t pset_after, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Double_Box_2 (ppl_const_Double_Box_t pset_before, ppl_const_Double_Box_t pset_after, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Double_Box_2 (ppl_const_Double_Box_t pset_before, ppl_const_Double_Box_t pset_after, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Double_Box_2 (ppl_const_Double_Box_t pset_before, ppl_const_Double_Box_t pset_after, ppl_Polyhedron_t ph)
- int ppl_io_print_Double_Box (ppl_const_Double_Box_t x)
- int ppl_io_fprint_Double_Box (FILE *stream, ppl_const_Double_Box_t x)
- int ppl_io_asprint_Double_Box (char **strp, ppl_const_Double_Box_t x)
- int ppl_Double_Box_ascii_dump (ppl_const_Double_Box_t x, FILE *stream)
- int ppl_Double_Box_ascii_load (ppl_Double_Box_t x, FILE *stream)

7.23.1 Detailed Description

Types and functions for ppl_Double_Box_tag.

7.23.2 Friends And Related Function Documentation

7.23.2.1 int ppl_delete_Double_Box (ppl_const_Double_Box_t *ph*) [related]

7.23.2.2 int ppl_new_Double_Box_from_space_dimension (ppl_Double_Box_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.23.2.3 int ppl_new_Double_Box_from_Int8_Box (ppl_Double_Box_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.23.2.4 int ppl_new_Double_Box_from_Int16_Box (ppl_Double_Box_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.23.2.5 int ppl_new_Double_Box_from_Int32_Box (ppl_Double_Box_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.23.2.6 int ppl_new_Double_Box_from_Int64_Box (ppl_Double_Box_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.23.2.7 int ppl_new_Double_Box_from_Uint8_Box (ppl_Double_Box_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.23.2.8 int ppl_new_Double_Box_from_Uint16_Box (ppl_Double_Box_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.23.2.9 int ppl_new_Double_Box_from_Uint32_Box (ppl_Double_Box_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.23.2.10 int ppl_new_Double_Box_from_Uint64_Box (ppl_Double_Box_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.23.2.11 int ppl_new_Double_Box_from_Z_Box (ppl_Double_Box_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.23.2.12 int ppl_new_Double_Box_from_Rational_Box (ppl_Double_Box_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.23.2.13 int ppl_new_Double_Box_from_BD_Shape_int8_t (ppl_Double_Box_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.23.2.14 int ppl_new_Double_Box_from_BD_Shape_int16_t (ppl_Double_Box_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.23.2.15 int ppl_new_Double_Box_from_BD_Shape_int32_t (ppl_Double_Box_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.23.2.16 int ppl_new_Double_Box_from_BD_Shape_int64_t (ppl_Double_Box_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.23.2.17 int ppl_new_Double_Box_from_BD_Shape_mpz_class (ppl_Double_Box_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.23.2.18 int ppl_new_Double_Box_from_BD_Shape_mpq_class (ppl_Double_Box_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.23.2.19 int ppl_new_Double_Box_from_Octagonal_Shape_int8_t (ppl_Double_Box_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.23.2.20 int ppl_new_Double_Box_from_Octagonal_Shape_int16_t (ppl_Double_Box_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.23.2.21 int ppl_new_Double_Box_from_Octagonal_Shape_int32_t (ppl_Double_Box_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.23.2.22 int ppl_new_Double_Box_from_Octagonal_Shape_int64_t (ppl_Double_Box_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.23.2.23 int ppl_new_Double_Box_from_Octagonal_Shape_mpz_class (ppl_Double_Box_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.23.2.24 int ppl_new_Double_Box_from_Octagonal_Shape_mpq_class (ppl_Double_Box_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.23.2.25 int ppl_new_Double_Box_from_C_Polyhedron (ppl_Double_Box_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.23.2.26 int ppl_new_Double_Box_from_NNC_Polyhedron (ppl_Double_Box_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.23.2.27 int ppl_new_Double_Box_from_Grid (ppl_Double_Box_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.23.2.28 int ppl_new_Double_Box_from_Float_Box (ppl_Double_Box_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.23.2.29 int ppl_new_Double_Box_from_BD_Shape_float (ppl_Double_Box_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.23.2.30 int ppl_new_Double_Box_from_Octagonal_Shape_float (ppl_Double_Box_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.23.2.31 int ppl_new_Double_Box_from_Double_Box (ppl_Double_Box_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.23.2.32 int ppl_new_Double_Box_from_BD_Shape_double (ppl_Double_Box_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.23.2.33 int ppl_new_Double_Box_from_Octagonal_Shape_double (ppl_Double_Box_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.23.2.34 int ppl_new_Double_Box_from_Long_Double_Box (ppl_Double_Box_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.23.2.35 int ppl_new_Double_Box_from_BD_Shape_long_double (ppl_Double_Box_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.23.2.36 int ppl_new_Double_Box_from_Octagonal_Shape_long_double (ppl_Double_Box_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.23.2.37 int ppl_new_Double_Box_from_Int8_Box_with_complexity (ppl_Double_Box_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.23.2.38 int ppl_new_Double_Box_from_Int16_Box_with_complexity (ppl_Double_Box_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.23.2.39 int ppl_new_Double_Box_from_Int32_Box_with_complexity (ppl_Double_Box_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.23.2.40 int ppl_new_Double_Box_from_Int64_Box_with_complexity (ppl_Double_Box_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.23.2.41 int ppl_new_Double_Box_from_Uint8_Box_with_complexity (ppl_Double_Box_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.23.2.42 int ppl_new_Double_Box_from_Uint16_Box_with_complexity (ppl_Double_Box_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.23.2.43 int ppl_new_Double_Box_from_Uint32_Box_with_complexity (ppl_Double_Box_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.23.2.44 int ppl_new_Double_Box_from_Uint64_Box_with_complexity (ppl_Double_Box_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.23.2.45 int ppl_new_Double_Box_from_Z_Box_with_complexity (ppl_Double_Box_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.23.2.46 int ppl_new_Double_Box_from_Rational_Box_with_complexity (ppl_Double_Box_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.23.2.47 int ppl_new_Double_Box_from_BD_Shape_int8_t_with_complexity (ppl_Double_Box_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.23.2.48 int ppl_new_Double_Box_from_BD_Shape_int16_t_with_complexity (ppl_Double_Box_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.23.2.49 int ppl_new_Double_Box_from_BD_Shape_int32_t_with_complexity (ppl_Double_Box_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.23.2.50 int ppl_new_Double_Box_from_BD_Shape_int64_t_with_complexity (ppl_Double_Box_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.23.2.51 int ppl_new_Double_Box_from_BD_Shape_mpz_class_with_complexity (ppl_Double_Box_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.23.2.52 int ppl_new_Double_Box_from_BD_Shape_mpq_class_with_complexity (ppl_Double_Box_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.23.2.53 int ppl_new_Double_Box_from_Octagonal_Shape_int8_t_with_complexity (ppl_Double_Box_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.23.2.54 int ppl_new_Double_Box_from_Octagonal_Shape_int16_t_with_complexity (ppl_Double_Box_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.23.2.55 int ppl_new_Double_Box_from_Octagonal_Shape_int32_t_with_complexity (ppl_Double_Box_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.23.2.56 int ppl_new_Double_Box_from_Octagonal_Shape_int64_t_with_complexity (ppl_Double_Box_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.23.2.57 int ppl_new_Double_Box_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Double_Box_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.23.2.58 int ppl_new_Double_Box_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Double_Box_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.23.2.59 int ppl_new_Double_Box_from_C_Polyhedron_with_complexity (ppl_Double_Box_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.23.2.60 int ppl_new_Double_Box_from_NNC_Polyhedron_with_complexity (ppl_Double_Box_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.23.2.61 int ppl_new_Double_Box_from_Grid_with_complexity (ppl_Double_Box_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.23.2.62 int ppl_new_Double_Box_from_Float_Box_with_complexity (ppl_Double_Box_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.23.2.63 int ppl_new_Double_Box_from_BD_Shape_float_with_complexity (ppl_Double_Box_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.23.2.64 int ppl_new_Double_Box_from_Octagonal_Shape_float_with_complexity (ppl_Double_Box_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.23.2.65 int ppl_new_Double_Box_from_Double_Box_with_complexity (ppl_Double_Box_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.23.2.66 int ppl_new_Double_Box_from_BD_Shape_double_with_complexity (ppl_Double_Box_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.23.2.67 int ppl_new_Double_Box_from_Octagonal_Shape_double_with_complexity (ppl_Double_Box_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.23.2.68 int ppl_new_Double_Box_from_Long_Double_Box_with_complexity (ppl_Double_Box_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.23.2.69 int ppl_new_Double_Box_from_BD_Shape_long_double_with_complexity (ppl_Double_Box_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.23.2.70 int ppl_new_Double_Box_from_Octagonal_Shape_long_double_with_complexity (ppl_Double_Box_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.23.2.71 int ppl_new_Double_Box_from_Constraint_System (ppl_Double_Box_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.23.2.72 int ppl_new_Double_Box_from_Congruence_System (ppl_Double_Box_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.23.2.73 int ppl_new_Double_Box_from_Generator_System (ppl_Double_Box_t * *pph*, ppl_const_Generator_System_t *cs*) [related]

7.23.2.74 int ppl_Double_Box_space_dimension (ppl_const_Double_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.23.2.75 int ppl_Double_Box_affine_dimension (ppl_const_Double_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.23.2.76 int ppl_Double_Box_relation_with_Constraint (ppl_const_Double_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.23.2.77 int ppl_Double_Box_relation_with_Generator (ppl_const_Double_Box_t *ph*, ppl_const_Generator_t *c*) [related]

7.23.2.78 int ppl_Double_Box_relation_with_Congruence (ppl_const_Double_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.23.2.79 int ppl_Double_Box_get_constraints (ppl_const_Double_Box_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.23.2.80 int ppl_Double_Box_get_congruences (ppl_const_Double_Box_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.23.2.81 int ppl_Double_Box_get_minimized_constraints (ppl_const_Double_Box_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.23.2.82 int ppl_Double_Box_get_minimized_congruences (ppl_const_Double_Box_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.23.2.83 int ppl_Double_Box_is_empty (ppl_const_Double_Box_t *ph*) [related]

7.23.2.84 int ppl_Double_Box_is_universe (ppl_const_Double_Box_t *ph*) [related]

7.23.2.85 int ppl_Double_Box_is_bounded (ppl_const_Double_Box_t *ph*) [related]

7.23.2.86 int ppl_Double_Box_contains_integer_point (ppl_const_Double_Box_t *ph*) [related]

7.23.2.87 int ppl_Double_Box_is_topologically_closed (ppl_const_Double_Box_t *ph*) [related]

7.23.2.88 int ppl_Double_Box_is_discrete (ppl_const_Double_Box_t *ph*) [related]

7.23.2.89 int ppl_Double_Box_topological_closure_assign (ppl_Double_Box_t *ph*) [related]

7.23.2.90 int ppl_Double_Box_bounds_from_above (ppl_const_Double_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.23.2.91 int ppl_Double_Box_bounds_from_below (ppl_const_Double_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.23.2.92 int ppl_Double_Box_maximize (ppl_const_Double_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.23.2.93 int ppl_Double_Box_minimize (ppl_const_Double_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.23.2.94 int ppl_Double_Box_maximize_with_point (ppl_const_Double_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.23.2.95 int ppl_Double_Box_minimize_with_point (ppl_const_Double_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.23.2.96 int ppl_Double_Box_frequency (ppl_const_Double_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_fn*, ppl_Coefficient_t *ext_fd*, ppl_Coefficient_t *ext_vn*, ppl_Coefficient_t *ext_vd*) [related]

7.23.2.97 int ppl_Double_Box_contains_Double_Box (ppl_const_Double_Box_t *x*, ppl_const_Double_Box_t *y*) [related]

7.23.2.98 int ppl_Double_Box_strictly_contains_Double_Box (ppl_const_Double_Box_t *x*, ppl_const_Double_Box_t *y*) [related]

7.23.2.99 int ppl_Double_Box_is_disjoint_from_Double_Box (ppl_const_Double_Box_t *x*, ppl_const_Double_Box_t *y*) [related]

7.23.2.100 int ppl_Double_Box_equals_Double_Box (ppl_const_Double_Box_t *x*, ppl_const_Double_Box_t *y*) [related]

7.23.2.101 int ppl_Double_Box_OK (ppl_const_Double_Box_t *ph*) [related]

7.23.2.102 int ppl_Double_Box_add_constraint (ppl_Double_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.23.2.103 int ppl_Double_Box_add_congruence (ppl_Double_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.23.2.104 int ppl_Double_Box_add_constraints (ppl_Double_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.23.2.105 int ppl_Double_Box_add_congruences (ppl_Double_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.23.2.106 int ppl_Double_Box_refine_with_constraint (ppl_Double_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.23.2.107 int ppl_Double_Box_refine_with_congruence (ppl_Double_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.23.2.108 int ppl_Double_Box_refine_with_constraints (ppl_Double_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.23.2.109 int ppl_Double_Box_refine_with_congruences (ppl_Double_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.23.2.110 int ppl_Double_Box_intersection_assign (ppl_Double_Box_t *x*, ppl_const_Double_Box_t *y*) [related]

7.23.2.111 int ppl_Double_Box_upper_bound_assign (ppl_Double_Box_t *x*, ppl_const_Double_Box_t *y*) [related]

7.23.2.112 int ppl_Double_Box_difference_assign (ppl_Double_Box_t *x*, ppl_const_Double_Box_t *y*) [related]

7.23.2.113 int ppl_Double_Box_concatenate_assign (ppl_Double_Box_t *x*, ppl_const_Double_Box_t *y*) [related]

7.23.2.114 int ppl_Double_Box_time_elapse_assign (ppl_Double_Box_t *x*, ppl_const_Double_Box_t *y*) [related]

7.23.2.115 int ppl_Double_Box_upper_bound_assign_if_exact (ppl_Double_Box_t *x*, ppl_const_Double_Box_t *y*) [related]

7.23.2.116 int ppl_Double_Box_simplify_using_context_assign (ppl_Double_Box_t *x*, ppl_const_Double_Box_t *y*) [related]

7.23.2.117 int ppl_Double_Box_constrains (ppl_Double_Box_t *ph*, ppl_dimension_type *var*) [related]

7.23.2.118 int ppl_Double_Box_unconstrain_space_dimension (ppl_Double_Box_t *ph*, ppl_dimension_type *var*) [related]

7.23.2.119 int ppl_Double_Box_unconstrain_space_dimensions (ppl_Double_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.23.2.120 int ppl_Double_Box_affine_image (ppl_Double_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.23.2.121 int ppl_Double_Box_affine_preimage (ppl_Double_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.23.2.122 int ppl_Double_Box_bounded_affine_image (ppl_Double_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.23.2.123 int ppl_Double_Box_bounded_affine_preimage (ppl_Double_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.23.2.124 int ppl_Double_Box_generalized_affine_image (ppl_Double_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.23.2.125 int ppl_Double_Box_generalized_affine_preimage (ppl_Double_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.23.2.126 int ppl_Double_Box_generalized_affine_image_lhs_rhs (ppl_Double_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.23.2.127 int ppl_Double_Box_generalized_affine_preimage_lhs_rhs (ppl_Double_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.23.2.128 int ppl_Double_Box_add_space_dimensions_and_embed (ppl_Double_Box_t *ph*, ppl_dimension_type *d*) [related]

7.23.2.129 int ppl_Double_Box_add_space_dimensions_and_project (ppl_Double_Box_t *ph*, ppl_dimension_type *d*) [related]

7.23.2.130 int ppl_Double_Box_remove_space_dimensions (ppl_Double_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.23.2.131 int ppl_Double_Box_remove_higher_space_dimensions (ppl_Double_Box_t *ph*, ppl_dimension_type *d*) [related]

7.23.2.132 int ppl_Double_Box_expand_space_dimension (ppl_Double_Box_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.23.2.133 int ppl_Double_Box_fold_space_dimensions (ppl_Double_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.23.2.134 int ppl_Double_Box_map_space_dimensions (ppl_Double_Box_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.23.2.135 int ppl_Double_Box_drop_some_non_integer_points (ppl_Double_Box_t *ph*, int *complexity*) [related]

7.23.2.136 int ppl_Double_Box_drop_some_non_integer_points_2 (ppl_Double_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.23.2.137 int ppl_Double_Box_external_memory_in_bytes (ppl_const_Double_Box_t *ps*, size_t * *sz*) [related]

7.23.2.138 int ppl_Double_Box_total_memory_in_bytes (ppl_const_Double_Box_t *ps*, size_t * *sz*) [related]

7.23.2.139 int ppl_Double_Box_CC76_widening_assign_with_tokens (ppl_Double_Box_t *x*, ppl_const_Double_Box_t *y*, unsigned * *tp*) [related]

7.23.2.140 int ppl_Double_Box_CC76_widening_assign (ppl_Double_Box_t *x*, ppl_const_Double_Box_t *y*) [related]

7.23.2.141 int ppl_Double_Box_widening_assign_with_tokens (ppl_Double_Box_t *x*, ppl_const_Double_Box_t *y*, unsigned * *tp*) [related]

7.23.2.142 int ppl_Double_Box_widening_assign (ppl_Double_Box_t *x*, ppl_const_Double_Box_t *y*) [related]

7.23.2.143 int ppl_Double_Box_limited_CC76_extrapolation_assign_with_tokens (ppl_Double_Box_t *x*, ppl_const_Double_Box_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.23.2.144 int ppl_Double_Box_limited_CC76_extrapolation_assign (ppl_Double_Box_t *x*, ppl_const_Double_Box_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.23.2.145 int ppl_Double_Box_linear_partition (ppl_const_Double_Box_t *x*, ppl_const_Double_Box_t *y*, ppl_Double_Box_t * *p_inters*, ppl_Pointset_Powerset_NNC_Polyhedron_t * *p_rest*) [related]

7.23.2.146 int ppl_Double_Box_wrap_assign (ppl_Double_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, enum ppl_enum_Bounded_Integer_Type_Width *w*, enum ppl_enum_Bounded_Integer_Type_Representation *r*, enum ppl_enum_Bounded_Integer_Type_Overflow *o*, const ppl_const_Constraint_System_t * *pcs*, unsigned *complexity_threshold*, int *wrap_individually*) [related]

7.23.2.147 int ppl_new_Double_Box_recycle_Constraint_System (ppl_Double_Box_t * *pph*, ppl_Constraint_System_t *cs*) [related]

7.23.2.148 int ppl_new_Double_Box_recycle_Congruence_System (ppl_Double_Box_t * *pph*, ppl_Congruence_System_t *cs*) [related]

7.23.2.149 int ppl_new_Double_Box_recycle_Generator_System (ppl_Double_Box_t * *pph*, ppl_Generator_System_t *cs*) [related]

7.23.2.150 int ppl_assign_Double_Box_from_Double_Box (ppl_Double_Box_t *dst*, ppl_const_Double_Box_t *src*) [related]

7.23.2.151 int ppl_Double_Box_add_recycled_constraints (ppl_Double_Box_t *ph*, ppl_Constraint_System_t *cs*) [related]

7.23.2.152 int ppl_Double_Box_add_recycled_congruences (ppl_Double_Box_t *ph*, ppl_Congruence_System_t *cs*) [related]

7.23.2.153 int ppl_termination_test_MS_Double_Box (ppl_const_Double_Box_t *pset*) [related]

7.23.2.154 int ppl_termination_test_PR_Double_Box (ppl_const_Double_Box_t *pset*) [related]

7.23.2.155 int ppl_one_affine_ranking_function_MS_Double_Box (ppl_const_Double_Box_t *pset*, ppl_Generator_t *point*) [related]

7.23.2.156 int ppl_one_affine_ranking_function_PR_Double_Box (ppl_const_Double_Box_t *pset*, ppl_Generator_t *point*) [related]

7.23.2.157 int ppl_all_affine_ranking_functions_MS_Double_Box (ppl_const_Double_Box_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.23.2.158 int ppl_all_affine_ranking_functions_PR_Double_Box (ppl_const_Double_Box_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.23.2.159 int ppl_termination_test_MS_Double_Box_2 (ppl_const_Double_Box_t *pset_before*, ppl_const_Double_Box_t *pset_after*) [related]

7.23.2.160 int ppl_termination_test_PR_Double_Box_2 (ppl_const_Double_Box_t *pset_before*, ppl_const_Double_Box_t *pset_after*) [related]

7.23.2.161 int ppl_one_affine_ranking_function_MS_Double_Box_2 (ppl_const_Double_Box_t *pset_before*, ppl_const_Double_Box_t *pset_after*, ppl_Generator_t *point*) [related]

7.23.2.162 int ppl_one_affine_ranking_function_PR_Double_Box_2 (ppl_const_Double_Box_t *pset_before*, ppl_const_Double_Box_t *pset_after*, ppl_Generator_t *point*) [related]

7.23.2.163 int ppl_all_affine_ranking_functions_MS_Double_Box_2 (ppl_const_Double_Box_t *pset_before*, ppl_const_Double_Box_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.23.2.164 int ppl_all_affine_ranking_functions_PR_Double_Box_2 (ppl_const_Double_Box_t *pset_before*, ppl_const_Double_Box_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.23.2.165 int ppl_io_print_Double_Box (ppl_const_Double_Box_t *x*) [related]

7.23.2.166 int ppl_io_fprint_Double_Box (FILE * *stream*, ppl_const_Double_Box_t *x*) [related]

7.23.2.167 int ppl_io_asprint_Double_Box (char ** *strp*, ppl_const_Double_Box_t *x*) [related]

7.23.2.168 int ppl_Double_Box_ascii_dump (ppl_const_Double_Box_t *x*, FILE * *stream*) [related]

7.23.2.169 int ppl_Double_Box_ascii_load (ppl_Double_Box_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.24 ppl_Float_Box_tag Interface Reference

Types and functions for ppl_Float_Box_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Float_Box (ppl_const_Float_Box_t ph)
- int ppl_new_Float_Box_from_space_dimension (ppl_Float_Box_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Float_Box_from_Int8_Box (ppl_Float_Box_t *pph, ppl_const_Int8_Box_t ph)
- int ppl_new_Float_Box_from_Int16_Box (ppl_Float_Box_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_Float_Box_from_Int32_Box (ppl_Float_Box_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_Float_Box_from_Int64_Box (ppl_Float_Box_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_Float_Box_from_Uint8_Box (ppl_Float_Box_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_Float_Box_from_Uint16_Box (ppl_Float_Box_t *pph, ppl_const_Uint16_Box_t ph)
- int ppl_new_Float_Box_from_Uint32_Box (ppl_Float_Box_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_Float_Box_from_Uint64_Box (ppl_Float_Box_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_Float_Box_from_Z_Box (ppl_Float_Box_t *pph, ppl_const_Z_Box_t ph)
- int ppl_new_Float_Box_from_Rational_Box (ppl_Float_Box_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_Float_Box_from_BD_Shape_int8_t (ppl_Float_Box_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_Float_Box_from_BD_Shape_int16_t (ppl_Float_Box_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_Float_Box_from_BD_Shape_int32_t (ppl_Float_Box_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_Float_Box_from_BD_Shape_int64_t (ppl_Float_Box_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_Float_Box_from_BD_Shape_mpz_class (ppl_Float_Box_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_Float_Box_from_BD_Shape_mpq_class (ppl_Float_Box_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_Float_Box_from_Octagonal_Shape_int8_t (ppl_Float_Box_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_Float_Box_from_Octagonal_Shape_int16_t (ppl_Float_Box_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_Float_Box_from_Octagonal_Shape_int32_t (ppl_Float_Box_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_Float_Box_from_Octagonal_Shape_int64_t (ppl_Float_Box_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_Float_Box_from_Octagonal_Shape_mpz_class (ppl_Float_Box_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_Float_Box_from_Octagonal_Shape_mpq_class (ppl_Float_Box_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_Float_Box_from_C_Polyhedron (ppl_Float_Box_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Float_Box_from_NNC_Polyhedron (ppl_Float_Box_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Float_Box_from_Grid (ppl_Float_Box_t *pph, ppl_const_Grid_t ph)
- int ppl_new_Float_Box_from_Float_Box (ppl_Float_Box_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_Float_Box_from_BD_Shape_float (ppl_Float_Box_t *pph, ppl_const_BD_Shape_float_t ph)
- int ppl_new_Float_Box_from_Octagonal_Shape_float (ppl_Float_Box_t *pph, ppl_const_Octagonal_Shape_float_t ph)

- int ppl_new_Float_Box_from_Double_Box (ppl_Float_Box_t *pph, ppl_const_Double_Box_t ph)
- int ppl_new_Float_Box_from_BD_Shape_double (ppl_Float_Box_t *pph, ppl_const_BD_Shape_double_t ph)
- int ppl_new_Float_Box_from_Octagonal_Shape_double (ppl_Float_Box_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_Float_Box_from_Long_Double_Box (ppl_Float_Box_t *pph, ppl_const_Long_Double_Box_t ph)
- int ppl_new_Float_Box_from_BD_Shape_long_double (ppl_Float_Box_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_Float_Box_from_Octagonal_Shape_long_double (ppl_Float_Box_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_Float_Box_from_Int8_Box_with_complexity (ppl_Float_Box_t *pph, ppl_const_Int8_Box_t ph, int complexity)
- int ppl_new_Float_Box_from_Int16_Box_with_complexity (ppl_Float_Box_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_Float_Box_from_Int32_Box_with_complexity (ppl_Float_Box_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_Float_Box_from_Int64_Box_with_complexity (ppl_Float_Box_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_Float_Box_from_Uint8_Box_with_complexity (ppl_Float_Box_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_Float_Box_from_Uint16_Box_with_complexity (ppl_Float_Box_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_Float_Box_from_Uint32_Box_with_complexity (ppl_Float_Box_t *pph, ppl_const_Uint32_Box_t ph, int complexity)
- int ppl_new_Float_Box_from_Uint64_Box_with_complexity (ppl_Float_Box_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_Float_Box_from_Z_Box_with_complexity (ppl_Float_Box_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_Float_Box_from_Rational_Box_with_complexity (ppl_Float_Box_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_Float_Box_from_BD_Shape_int8_t_with_complexity (ppl_Float_Box_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)
- int ppl_new_Float_Box_from_BD_Shape_int16_t_with_complexity (ppl_Float_Box_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_Float_Box_from_BD_Shape_int32_t_with_complexity (ppl_Float_Box_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_Float_Box_from_BD_Shape_int64_t_with_complexity (ppl_Float_Box_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_Float_Box_from_BD_Shape_mpz_class_with_complexity (ppl_Float_Box_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Float_Box_from_BD_Shape_mpq_class_with_complexity (ppl_Float_Box_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Float_Box_from_Octagonal_Shape_int8_t_with_complexity (ppl_Float_Box_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_Float_Box_from_Octagonal_Shape_int16_t_with_complexity (ppl_Float_Box_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_Float_Box_from_Octagonal_Shape_int32_t_with_complexity (ppl_Float_Box_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_Float_Box_from_Octagonal_Shape_int64_t_with_complexity (ppl_Float_Box_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)

- int ppl_new_Float_Box_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Float_Box_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Float_Box_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Float_Box_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Float_Box_from_C_Polyhedron_with_complexity (ppl_Float_Box_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Float_Box_from_NNC_Polyhedron_with_complexity (ppl_Float_Box_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Float_Box_from_Grid_with_complexity (ppl_Float_Box_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_Float_Box_from_Float_Box_with_complexity (ppl_Float_Box_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_Float_Box_from_BD_Shape_float_with_complexity (ppl_Float_Box_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)
- int ppl_new_Float_Box_from_Octagonal_Shape_float_with_complexity (ppl_Float_Box_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_Float_Box_from_Double_Box_with_complexity (ppl_Float_Box_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_Float_Box_from_BD_Shape_double_with_complexity (ppl_Float_Box_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_Float_Box_from_Octagonal_Shape_double_with_complexity (ppl_Float_Box_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_Float_Box_from_Long_Double_Box_with_complexity (ppl_Float_Box_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_Float_Box_from_BD_Shape_long_double_with_complexity (ppl_Float_Box_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_Float_Box_from_Octagonal_Shape_long_double_with_complexity (ppl_Float_Box_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_Float_Box_from_Constraint_System (ppl_Float_Box_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Float_Box_from_Congruence_System (ppl_Float_Box_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_new_Float_Box_from_Generator_System (ppl_Float_Box_t *pph, ppl_const_Generator_System_t cs)
- int ppl_Float_Box_space_dimension (ppl_const_Float_Box_t ph, ppl_dimension_type *m)
- int ppl_Float_Box_affine_dimension (ppl_const_Float_Box_t ph, ppl_dimension_type *m)
- int ppl_Float_Box_relation_with_Constraint (ppl_const_Float_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Float_Box_relation_with_Generator (ppl_const_Float_Box_t ph, ppl_const_Generator_t c)
- int ppl_Float_Box_relation_with_Congruence (ppl_const_Float_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Float_Box_get_constraints (ppl_const_Float_Box_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Float_Box_get_congruences (ppl_const_Float_Box_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Float_Box_get_minimized_constraints (ppl_const_Float_Box_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Float_Box_get_minimized_congruences (ppl_const_Float_Box_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Float_Box_is_empty (ppl_const_Float_Box_t ph)
- int ppl_Float_Box_is_universe (ppl_const_Float_Box_t ph)
- int ppl_Float_Box_is_bounded (ppl_const_Float_Box_t ph)

- int ppl_Float_Box_contains_integer_point (ppl_const_Float_Box_t ph)
- int ppl_Float_Box_is_topologically_closed (ppl_const_Float_Box_t ph)
- int ppl_Float_Box_is_discrete (ppl_const_Float_Box_t ph)
- int ppl_Float_Box_topological_closure_assign (ppl_Float_Box_t ph)
- int ppl_Float_Box_bounds_from_above (ppl_const_Float_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Float_Box_bounds_from_below (ppl_const_Float_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Float_Box_maximize (ppl_const_Float_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Float_Box_minimize (ppl_const_Float_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Float_Box_maximize_with_point (ppl_const_Float_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Float_Box_minimize_with_point (ppl_const_Float_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Float_Box_frequency (ppl_const_Float_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_fn, ppl_Coefficient_t ext_fd, ppl_Coefficient_t ext_vn, ppl_Coefficient_t ext_vd)
- int ppl_Float_Box_contains_Float_Box (ppl_const_Float_Box_t x, ppl_const_Float_Box_t y)
- int ppl_Float_Box_strictly_contains_Float_Box (ppl_const_Float_Box_t x, ppl_const_Float_Box_t y)
- int ppl_Float_Box_is_disjoint_from_Float_Box (ppl_const_Float_Box_t x, ppl_const_Float_Box_t y)
- int ppl_Float_Box_equals_Float_Box (ppl_const_Float_Box_t x, ppl_const_Float_Box_t y)
- int ppl_Float_Box_OK (ppl_const_Float_Box_t ph)
- int ppl_Float_Box_add_constraint (ppl_Float_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Float_Box_add_congruence (ppl_Float_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Float_Box_add_constraints (ppl_Float_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Float_Box_add_congruences (ppl_Float_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Float_Box_refine_with_constraint (ppl_Float_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Float_Box_refine_with_congruence (ppl_Float_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Float_Box_refine_with_constraints (ppl_Float_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Float_Box_refine_with_congruences (ppl_Float_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Float_Box_intersection_assign (ppl_Float_Box_t x, ppl_const_Float_Box_t y)
- int ppl_Float_Box_upper_bound_assign (ppl_Float_Box_t x, ppl_const_Float_Box_t y)
- int ppl_Float_Box_difference_assign (ppl_Float_Box_t x, ppl_const_Float_Box_t y)
- int ppl_Float_Box_concatenate_assign (ppl_Float_Box_t x, ppl_const_Float_Box_t y)
- int ppl_Float_Box_time_elapse_assign (ppl_Float_Box_t x, ppl_const_Float_Box_t y)
- int ppl_Float_Box_upper_bound_assign_if_exact (ppl_Float_Box_t x, ppl_const_Float_Box_t y)
- int ppl_Float_Box_simplify_using_context_assign (ppl_Float_Box_t x, ppl_const_Float_Box_t y)
- int ppl_Float_Box_constrains (ppl_Float_Box_t ph, ppl_dimension_type var)
- int ppl_Float_Box_unconstrain_space_dimension (ppl_Float_Box_t ph, ppl_dimension_type var)
- int ppl_Float_Box_unconstrain_space_dimensions (ppl_Float_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Float_Box_affine_image (ppl_Float_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)

- int ppl_Float_Box_affine_preimage (ppl_Float_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Float_Box_bounded_affine_image (ppl_Float_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Float_Box_bounded_affine_preimage (ppl_Float_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Float_Box_generalized_affine_image (ppl_Float_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Float_Box_generalized_affine_preimage (ppl_Float_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Float_Box_generalized_affine_image_lhs_rhs (ppl_Float_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Float_Box_generalized_affine_preimage_lhs_rhs (ppl_Float_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Float_Box_add_space_dimensions_and_embed (ppl_Float_Box_t ph, ppl_dimension_type d)
- int ppl_Float_Box_add_space_dimensions_and_project (ppl_Float_Box_t ph, ppl_dimension_type d)
- int ppl_Float_Box_remove_space_dimensions (ppl_Float_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Float_Box_remove_higher_space_dimensions (ppl_Float_Box_t ph, ppl_dimension_type d)
- int ppl_Float_Box_expand_space_dimension (ppl_Float_Box_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Float_Box_fold_space_dimensions (ppl_Float_Box_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Float_Box_map_space_dimensions (ppl_Float_Box_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Float_Box_drop_some_non_integer_points (ppl_Float_Box_t ph, int complexity)
- int ppl_Float_Box_drop_some_non_integer_points_2 (ppl_Float_Box_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Float_Box_external_memory_in_bytes (ppl_const_Float_Box_t ps, size_t *sz)
- int ppl_Float_Box_total_memory_in_bytes (ppl_const_Float_Box_t ps, size_t *sz)
- int ppl_Float_Box_CC76_widening_assign_with_tokens (ppl_Float_Box_t x, ppl_const_Float_Box_t y, unsigned *tp)
- int ppl_Float_Box_CC76_widening_assign (ppl_Float_Box_t x, ppl_const_Float_Box_t y)
- int ppl_Float_Box_widening_assign_with_tokens (ppl_Float_Box_t x, ppl_const_Float_Box_t y, unsigned *tp)
- int ppl_Float_Box_widening_assign (ppl_Float_Box_t x, ppl_const_Float_Box_t y)
- int ppl_Float_Box_limited_CC76_extrapolation_assign_with_tokens (ppl_Float_Box_t x, ppl_const_Float_Box_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_Float_Box_limited_CC76_extrapolation_assign (ppl_Float_Box_t x, ppl_const_Float_Box_t y, ppl_const_Constraint_System_t cs)
- int ppl_Float_Box_linear_partition (ppl_const_Float_Box_t x, ppl_const_Float_Box_t y, ppl_Float_Box_t *p_inters, ppl_Pointset_Powerset_NNC_Polyhedron_t *p_rest)
- int ppl_Float_Box_wrap_assign (ppl_Float_Box_t ph, ppl_dimension_type ds[ ], size_t n, enum ppl_enum_Bounded_Integer_Type_Width w, enum ppl_enum_Bounded_Integer_Type_Representation r, enum ppl_enum_Bounded_Integer_Type_Overflow o, const ppl_const_Constraint_System_t *pcs, unsigned complexity_threshold, int wrap_individually)
- int ppl_new_Float_Box_recycle_Constraint_System (ppl_Float_Box_t *pph, ppl_Constraint_System_t cs)

- int ppl_new_Float_Box_recycle_Congruence_System (ppl_Float_Box_t *pph, ppl_Congruence_System_t cs)
- int ppl_new_Float_Box_recycle_Generator_System (ppl_Float_Box_t *pph, ppl_Generator_System_t cs)
- int ppl_assign_Float_Box_from_Float_Box (ppl_Float_Box_t dst, ppl_const_Float_Box_t src)
- int ppl_Float_Box_add_recycled_constraints (ppl_Float_Box_t ph, ppl_Constraint_System_t cs)
- int ppl_Float_Box_add_recycled_congruences (ppl_Float_Box_t ph, ppl_Congruence_System_t cs)
- int ppl_termination_test_MS_Float_Box (ppl_const_Float_Box_t pset)
- int ppl_termination_test_PR_Float_Box (ppl_const_Float_Box_t pset)
- int ppl_one_affine_ranking_function_MS_Float_Box (ppl_const_Float_Box_t pset, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Float_Box (ppl_const_Float_Box_t pset, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Float_Box (ppl_const_Float_Box_t pset, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Float_Box (ppl_const_Float_Box_t pset, ppl_Polyhedron_t ph)
- int ppl_termination_test_MS_Float_Box_2 (ppl_const_Float_Box_t pset_before, ppl_const_Float_Box_t pset_after)
- int ppl_termination_test_PR_Float_Box_2 (ppl_const_Float_Box_t pset_before, ppl_const_Float_Box_t pset_after)
- int ppl_one_affine_ranking_function_MS_Float_Box_2 (ppl_const_Float_Box_t pset_before, ppl_const_Float_Box_t pset_after, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Float_Box_2 (ppl_const_Float_Box_t pset_before, ppl_const_Float_Box_t pset_after, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Float_Box_2 (ppl_const_Float_Box_t pset_before, ppl_const_Float_Box_t pset_after, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Float_Box_2 (ppl_const_Float_Box_t pset_before, ppl_const_Float_Box_t pset_after, ppl_Polyhedron_t ph)
- int ppl_io_print_Float_Box (ppl_const_Float_Box_t x)
- int ppl_io_fprint_Float_Box (FILE *stream, ppl_const_Float_Box_t x)
- int ppl_io_asprint_Float_Box (char **strp, ppl_const_Float_Box_t x)
- int ppl_Float_Box_ascii_dump (ppl_const_Float_Box_t x, FILE *stream)
- int ppl_Float_Box_ascii_load (ppl_Float_Box_t x, FILE *stream)

7.24.1 Detailed Description

Types and functions for ppl_Float_Box_tag.

7.24.2 Friends And Related Function Documentation

7.24.2.1 int ppl_delete_Float_Box (ppl_const_Float_Box_t *ph*) [related]

7.24.2.2 int ppl_new_Float_Box_from_space_dimension (ppl_Float_Box_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.24.2.3 int ppl_new_Float_Box_from_Int8_Box (ppl_Float_Box_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.24.2.4 int ppl_new_Float_Box_from_Int16_Box (ppl_Float_Box_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.24.2.5 int ppl_new_Float_Box_from_Int32_Box (ppl_Float_Box_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.24.2.6 int ppl_new_Float_Box_from_Int64_Box (ppl_Float_Box_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.24.2.7 int ppl_new_Float_Box_from_Uint8_Box (ppl_Float_Box_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.24.2.8 int ppl_new_Float_Box_from_Uint16_Box (ppl_Float_Box_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.24.2.9 int ppl_new_Float_Box_from_Uint32_Box (ppl_Float_Box_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.24.2.10 int ppl_new_Float_Box_from_Uint64_Box (ppl_Float_Box_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.24.2.11 int ppl_new_Float_Box_from_Z_Box (ppl_Float_Box_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.24.2.12 int ppl_new_Float_Box_from_Rational_Box (ppl_Float_Box_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.24.2.13 int ppl_new_Float_Box_from_BD_Shape_int8_t (ppl_Float_Box_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.24.2.14 int ppl_new_Float_Box_from_BD_Shape_int16_t (ppl_Float_Box_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.24.2.15 int ppl_new_Float_Box_from_BD_Shape_int32_t (ppl_Float_Box_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.24.2.16 int ppl_new_Float_Box_from_BD_Shape_int64_t (ppl_Float_Box_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.24.2.17 int ppl_new_Float_Box_from_BD_Shape_mpz_class (ppl_Float_Box_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.24.2.18 int ppl_new_Float_Box_from_BD_Shape_mpq_class (ppl_Float_Box_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.24.2.19 int ppl_new_Float_Box_from_Octagonal_Shape_int8_t (ppl_Float_Box_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.24.2.20 int ppl_new_Float_Box_from_Octagonal_Shape_int16_t (ppl_Float_Box_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.24.2.21 int ppl_new_Float_Box_from_Octagonal_Shape_int32_t (ppl_Float_Box_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.24.2.22 int ppl_new_Float_Box_from_Octagonal_Shape_int64_t (ppl_Float_Box_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.24.2.23 int ppl_new_Float_Box_from_Octagonal_Shape_mpz_class (ppl_Float_Box_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.24.2.24 int ppl_new_Float_Box_from_Octagonal_Shape_mpq_class (ppl_Float_Box_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.24.2.25 int ppl_new_Float_Box_from_C_Polyhedron (ppl_Float_Box_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.24.2.26 int ppl_new_Float_Box_from_NNC_Polyhedron (ppl_Float_Box_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.24.2.27 int ppl_new_Float_Box_from_Grid (ppl_Float_Box_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.24.2.28 int ppl_new_Float_Box_from_Float_Box (ppl_Float_Box_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.24.2.29 int ppl_new_Float_Box_from_BD_Shape_float (ppl_Float_Box_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.24.2.30 int ppl_new_Float_Box_from_Octagonal_Shape_float (ppl_Float_Box_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.24.2.31 int ppl_new_Float_Box_from_Double_Box (ppl_Float_Box_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.24.2.32 int ppl_new_Float_Box_from_BD_Shape_double (ppl_Float_Box_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.24.2.33 int ppl_new_Float_Box_from_Octagonal_Shape_double (ppl_Float_Box_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.24.2.34 int ppl_new_Float_Box_from_Long_Double_Box (ppl_Float_Box_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.24.2.35 int ppl_new_Float_Box_from_BD_Shape_long_double (ppl_Float_Box_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.24.2.36 int ppl_new_Float_Box_from_Octagonal_Shape_long_double (ppl_Float_Box_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.24.2.37 int ppl_new_Float_Box_from_Int8_Box_with_complexity (ppl_Float_Box_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.24.2.38 int ppl_new_Float_Box_from_Int16_Box_with_complexity (ppl_Float_Box_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.24.2.39 int ppl_new_Float_Box_from_Int32_Box_with_complexity (ppl_Float_Box_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.24.2.40 int ppl_new_Float_Box_from_Int64_Box_with_complexity (ppl_Float_Box_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.24.2.41 int ppl_new_Float_Box_from_Uint8_Box_with_complexity (ppl_Float_Box_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.24.2.42 int ppl_new_Float_Box_from_Uint16_Box_with_complexity (ppl_Float_Box_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.24.2.43 int ppl_new_Float_Box_from_Uint32_Box_with_complexity (ppl_Float_Box_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.24.2.44 int ppl_new_Float_Box_from_Uint64_Box_with_complexity (ppl_Float_Box_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.24.2.45 int ppl_new_Float_Box_from_Z_Box_with_complexity (ppl_Float_Box_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.24.2.46 int ppl_new_Float_Box_from_Rational_Box_with_complexity (ppl_Float_Box_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.24.2.47 int ppl_new_Float_Box_from_BD_Shape_int8_t_with_complexity (ppl_Float_Box_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.24.2.48 int ppl_new_Float_Box_from_BD_Shape_int16_t_with_complexity (ppl_Float_Box_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.24.2.49 int ppl_new_Float_Box_from_BD_Shape_int32_t_with_complexity (ppl_Float_Box_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.24.2.50 int ppl_new_Float_Box_from_BD_Shape_int64_t_with_complexity (ppl_Float_Box_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.24.2.51 int ppl_new_Float_Box_from_BD_Shape_mpz_class_with_complexity (ppl_Float_Box_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.24.2.52 int ppl_new_Float_Box_from_BD_Shape_mpq_class_with_complexity (ppl_Float_Box_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.24.2.53 int ppl_new_Float_Box_from_Octagonal_Shape_int8_t_with_complexity (ppl_Float_Box_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.24.2.54 int ppl_new_Float_Box_from_Octagonal_Shape_int16_t_with_complexity (ppl_Float_Box_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.24.2.55 int ppl_new_Float_Box_from_Octagonal_Shape_int32_t_with_complexity (ppl_Float_Box_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.24.2.56 int ppl_new_Float_Box_from_Octagonal_Shape_int64_t_with_complexity (ppl_Float_Box_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.24.2.57 int ppl_new_Float_Box_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Float_Box_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.24.2.58 int ppl_new_Float_Box_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Float_Box_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.24.2.59 int ppl_new_Float_Box_from_C_Polyhedron_with_complexity (ppl_Float_Box_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.24.2.60 int ppl_new_Float_Box_from_NNC_Polyhedron_with_complexity (ppl_Float_Box_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.24.2.61 int ppl_new_Float_Box_from_Grid_with_complexity (ppl_Float_Box_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.24.2.62 int ppl_new_Float_Box_from_Float_Box_with_complexity (ppl_Float_Box_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.24.2.63 int ppl_new_Float_Box_from_BD_Shape_float_with_complexity (ppl_Float_Box_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.24.2.64 int ppl_new_Float_Box_from_Octagonal_Shape_float_with_complexity (ppl_Float_Box_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.24.2.65 int ppl_new_Float_Box_from_Double_Box_with_complexity (ppl_Float_Box_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.24.2.66 int ppl_new_Float_Box_from_BD_Shape_double_with_complexity (ppl_Float_Box_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.24.2.67 int ppl_new_Float_Box_from_Octagonal_Shape_double_with_complexity (ppl_Float_Box_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.24.2.68 int ppl_new_Float_Box_from_Long_Double_Box_with_complexity (ppl_Float_Box_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.24.2.69 int ppl_new_Float_Box_from_BD_Shape_long_double_with_complexity (ppl_Float_Box_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.24.2.70 int ppl_new_Float_Box_from_Octagonal_Shape_long_double_with_complexity (ppl_Float_Box_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.24.2.71 int ppl_new_Float_Box_from_Constraint_System (ppl_Float_Box_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.24.2.72 int ppl_new_Float_Box_from_Congruence_System (ppl_Float_Box_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.24.2.73 int ppl_new_Float_Box_from_Generator_System (ppl_Float_Box_t * *pph*, ppl_const_Generator_System_t *cs*) [related]

7.24.2.74 int ppl_Float_Box_space_dimension (ppl_const_Float_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.24.2.75 int ppl_Float_Box_affine_dimension (ppl_const_Float_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.24.2.76 int ppl_Float_Box_relation_with_Constraint (ppl_const_Float_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.24.2.77 int ppl_Float_Box_relation_with_Generator (ppl_const_Float_Box_t *ph*, ppl_const_Generator_t *c*) [related]

7.24.2.78 int ppl_Float_Box_relation_with_Congruence (ppl_const_Float_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.24.2.79 int ppl_Float_Box_get_constraints (ppl_const_Float_Box_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.24.2.80 int ppl_Float_Box_get_congruences (ppl_const_Float_Box_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.24.2.81 int ppl_Float_Box_get_minimized_constraints (ppl_const_Float_Box_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.24.2.82 int ppl_Float_Box_get_minimized_congruences (ppl_const_Float_Box_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.24.2.83 int ppl_Float_Box_is_empty (ppl_const_Float_Box_t *ph*) [related]

7.24.2.84 int ppl_Float_Box_is_universe (ppl_const_Float_Box_t *ph*) [related]

7.24.2.85 int ppl_Float_Box_is_bounded (ppl_const_Float_Box_t *ph*) [related]

7.24.2.86 int ppl_Float_Box_contains_integer_point (ppl_const_Float_Box_t *ph*) [related]

7.24.2.87 int ppl_Float_Box_is_topologically_closed (ppl_const_Float_Box_t *ph*) [related]

7.24.2.88 int ppl_Float_Box_is_discrete (ppl_const_Float_Box_t *ph*) [related]

7.24.2.89 int ppl_Float_Box_topological_closure_assign (ppl_Float_Box_t *ph*) [related]

7.24.2.90 int ppl_Float_Box_bounds_from_above (ppl_const_Float_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.24.2.91 int ppl_Float_Box_bounds_from_below (ppl_const_Float_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.24.2.92 int ppl_Float_Box_maximize (ppl_const_Float_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.24.2.93 int ppl_Float_Box_minimize (ppl_const_Float_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.24.2.94 int ppl_Float_Box_maximize_with_point (ppl_const_Float_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.24.2.95 int ppl_Float_Box_minimize_with_point (ppl_const_Float_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.24.2.96 int ppl_Float_Box_frequency (ppl_const_Float_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_fn*, ppl_Coefficient_t *ext_fd*, ppl_Coefficient_t *ext_vn*, ppl_Coefficient_t *ext_vd*) [related]

7.24.2.97 int ppl_Float_Box_contains_Float_Box (ppl_const_Float_Box_t *x*, ppl_const_Float_Box_t *y*) [related]

7.24.2.98 int ppl_Float_Box_strictly_contains_Float_Box (ppl_const_Float_Box_t *x*, ppl_const_Float_Box_t *y*) [related]

7.24.2.99 int ppl_Float_Box_is_disjoint_from_Float_Box (ppl_const_Float_Box_t *x*, ppl_const_Float_Box_t *y*) [related]

7.24.2.100 int ppl_Float_Box_equals_Float_Box (ppl_const_Float_Box_t *x*, ppl_const_Float_Box_t *y*) [related]

7.24.2.101 int ppl_Float_Box_OK (ppl_const_Float_Box_t *ph*) [related]

7.24.2.102 int ppl_Float_Box_add_constraint (ppl_Float_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.24.2.103 int ppl_Float_Box_add_congruence (ppl_Float_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.24.2.104 int ppl_Float_Box_add_constraints (ppl_Float_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.24.2.105 int ppl_Float_Box_add_congruences (ppl_Float_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.24.2.106 int ppl_Float_Box_refine_with_constraint (ppl_Float_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.24.2.107 int ppl_Float_Box_refine_with_congruence (ppl_Float_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.24.2.108 int ppl_Float_Box_refine_with_constraints (ppl_Float_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.24.2.109 int ppl_Float_Box_refine_with_congruences (ppl_Float_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.24.2.110 int ppl_Float_Box_intersection_assign (ppl_Float_Box_t *x*, ppl_const_Float_Box_t *y*) [related]

7.24.2.111 int ppl_Float_Box_upper_bound_assign (ppl_Float_Box_t *x*, ppl_const_Float_Box_t *y*) [related]

7.24.2.112 int ppl_Float_Box_difference_assign (ppl_Float_Box_t *x*, ppl_const_Float_Box_t *y*) [related]

7.24.2.113 int ppl_Float_Box_concatenate_assign (ppl_Float_Box_t *x*, ppl_const_Float_Box_t *y*) [related]

7.24.2.114 int ppl_Float_Box_time_elapse_assign (ppl_Float_Box_t *x*, ppl_const_Float_Box_t *y*) [related]

7.24.2.115 int ppl_Float_Box_upper_bound_assign_if_exact (ppl_Float_Box_t *x*, ppl_const_Float_Box_t *y*) [related]

7.24.2.116 int ppl_Float_Box_simplify_using_context_assign (ppl_Float_Box_t *x*, ppl_const_Float_Box_t *y*) [related]

7.24.2.117 int ppl_Float_Box_constrains (ppl_Float_Box_t *ph*, ppl_dimension_type *var*) [related]

7.24.2.118 int ppl_Float_Box_unconstrain_space_dimension (ppl_Float_Box_t *ph*, ppl_dimension_type *var*) [related]

7.24.2.119 int ppl_Float_Box_unconstrain_space_dimensions (ppl_Float_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.24.2.120 int ppl_Float_Box_affine_image (ppl_Float_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.24.2.121 int ppl_Float_Box_affine_preimage (ppl_Float_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.24.2.122 int ppl_Float_Box_bounded_affine_image (ppl_Float_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.24.2.123 int ppl_Float_Box_bounded_affine_preimage (ppl_Float_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.24.2.124 int ppl_Float_Box_generalized_affine_image (ppl_Float_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.24.2.125 int ppl_Float_Box_generalized_affine_preimage (ppl_Float_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.24.2.126 int ppl_Float_Box_generalized_affine_image_lhs_rhs (ppl_Float_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.24.2.127 int ppl_Float_Box_generalized_affine_preimage_lhs_rhs (ppl_Float_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.24.2.128 int ppl_Float_Box_add_space_dimensions_and_embed (ppl_Float_Box_t *ph*, ppl_dimension_type *d*) [related]

7.24.2.129 int ppl_Float_Box_add_space_dimensions_and_project (ppl_Float_Box_t *ph*, ppl_dimension_type *d*) [related]

7.24.2.130 int ppl_Float_Box_remove_space_dimensions (ppl_Float_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.24.2.131 int ppl_Float_Box_remove_higher_space_dimensions (ppl_Float_Box_t *ph*, ppl_dimension_type *d*) [related]

7.24.2.132 int ppl_Float_Box_expand_space_dimension (ppl_Float_Box_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.24.2.133 int ppl_Float_Box_fold_space_dimensions (ppl_Float_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.24.2.134 int ppl_Float_Box_map_space_dimensions (ppl_Float_Box_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.24.2.135 int ppl_Float_Box_drop_some_non_integer_points (ppl_Float_Box_t *ph*, int *complexity*) [related]

7.24.2.136 int ppl_Float_Box_drop_some_non_integer_points_2 (ppl_Float_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.24.2.137 int ppl_Float_Box_external_memory_in_bytes (ppl_const_Float_Box_t *ps*, size_t * *sz*) [related]

7.24.2.138 int ppl_Float_Box_total_memory_in_bytes (ppl_const_Float_Box_t *ps*, size_t * *sz*) [related]

7.24.2.139 int ppl_Float_Box_CC76_widening_assign_with_tokens (ppl_Float_Box_t *x*, ppl_const_Float_Box_t *y*, unsigned * *tp*) [related]

7.24.2.140 int ppl_Float_Box_CC76_widening_assign (ppl_Float_Box_t *x*, ppl_const_Float_Box_t *y*) [related]

7.24.2.141 int ppl_Float_Box_widening_assign_with_tokens (ppl_Float_Box_t *x*, ppl_const_Float_Box_t *y*, unsigned * *tp*) [related]

7.24.2.142 int ppl_Float_Box_widening_assign (ppl_Float_Box_t *x*, ppl_const_Float_Box_t *y*) [related]

7.24.2.143 int ppl_Float_Box_limited_CC76_extrapolation_assign_with_tokens (ppl_Float_Box_t *x*, ppl_const_Float_Box_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.24.2.144 int ppl_Float_Box_limited_CC76_extrapolation_assign (ppl_Float_Box_t *x*, ppl_const_Float_Box_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.24.2.145 int ppl_Float_Box_linear_partition (ppl_const_Float_Box_t *x*, ppl_const_Float_Box_t *y*, ppl_Float_Box_t * *p_inters*, ppl_Pointset_Powerset_NNC_Polyhedron_t * *p_rest*) [related]

7.24.2.146 int ppl_Float_Box_wrap_assign (ppl_Float_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, enum ppl_enum_Bounded_Integer_Type_Width *w*, enum ppl_enum_Bounded_Integer_Type_Representation *r*, enum ppl_enum_Bounded_Integer_Type_Overflow *o*, const ppl_const_Constraint_System_t * *pcs*, unsigned *complexity_threshold*, int *wrap_individually*) [related]

7.24.2.147 int ppl_new_Float_Box_recycle_Constraint_System (ppl_Float_Box_t * *pph*, ppl_Constraint_System_t *cs*) [related]

7.24.2.148 int ppl_new_Float_Box_recycle_Congruence_System (ppl_Float_Box_t * *pph*, ppl_Congruence_System_t *cs*) [related]

7.24.2.149 int ppl_new_Float_Box_recycle_Generator_System (ppl_Float_Box_t * *pph*, ppl_Generator_System_t *cs*) [related]

7.24.2.150 int ppl_assign_Float_Box_from_Float_Box (ppl_Float_Box_t *dst*, ppl_const_Float_Box_t *src*) [related]

7.24.2.151 int ppl_Float_Box_add_recycled_constraints (ppl_Float_Box_t *ph*, ppl_Constraint_System_t *cs*) [related]

7.24.2.152 int ppl_Float_Box_add_recycled_congruences (ppl_Float_Box_t *ph*, ppl_Congruence_System_t *cs*) [related]

7.24.2.153 int ppl_termination_test_MS_Float_Box (ppl_const_Float_Box_t *pset*) [related]

7.24.2.154 int ppl_termination_test_PR_Float_Box (ppl_const_Float_Box_t *pset*) [related]

7.24.2.155 int ppl_one_affine_ranking_function_MS_Float_Box (ppl_const_Float_Box_t *pset*, ppl_Generator_t *point*) [related]

7.24.2.156 int ppl_one_affine_ranking_function_PR_Float_Box (ppl_const_Float_Box_t *pset*, ppl_Generator_t *point*) [related]

7.24.2.157 int ppl_all_affine_ranking_functions_MS_Float_Box (ppl_const_Float_Box_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.24.2.158 int ppl_all_affine_ranking_functions_PR_Float_Box (ppl_const_Float_Box_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.24.2.159 int ppl_termination_test_MS_Float_Box_2 (ppl_const_Float_Box_t *pset_before*, ppl_const_Float_Box_t *pset_after*) [related]

7.24.2.160 int ppl_termination_test_PR_Float_Box_2 (ppl_const_Float_Box_t *pset_before*, ppl_const_Float_Box_t *pset_after*) [related]

7.24.2.161 int ppl_one_affine_ranking_function_MS_Float_Box_2 (ppl_const_Float_Box_t *pset_before*, ppl_const_Float_Box_t *pset_after*, ppl_Generator_t *point*) [related]

7.24.2.162 int ppl_one_affine_ranking_function_PR_Float_Box_2 (ppl_const_Float_Box_t *pset_before*, ppl_const_Float_Box_t *pset_after*, ppl_Generator_t *point*) [related]

7.24.2.163 int ppl_all_affine_ranking_functions_MS_Float_Box_2 (ppl_const_Float_Box_t *pset_before*, ppl_const_Float_Box_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.24.2.164 int ppl_all_affine_ranking_functions_PR_Float_Box_2 (ppl_const_Float_Box_t *pset_before*, ppl_const_Float_Box_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.24.2.165 int ppl_io_print_Float_Box (ppl_const_Float_Box_t *x*) [related]

7.24.2.166 int ppl_io_fprint_Float_Box (FILE * *stream*, ppl_const_Float_Box_t *x*) [related]

7.24.2.167 int ppl_io_asprint_Float_Box (char ** *strp*, ppl_const_Float_Box_t *x*) [related]

7.24.2.168 int ppl_Float_Box_ascii_dump (ppl_const_Float_Box_t *x*, FILE * *stream*) [related]

7.24.2.169 int ppl_Float_Box_ascii_load (ppl_Float_Box_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.25 ppl_Generator_System_const_iterator_tag Interface Reference

Types and functions for iterating on generator systems.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

Constructors, Assignment and Destructor

- int ppl_new_Generator_System_const_iterator (ppl_Generator_System_const_iterator_t *pgit)
  Builds a new 'const iterator' and writes a handle to it at address `pgit`.
- int ppl_new_Generator_System_const_iterator_from_Generator_System_const_iterator (ppl_Generator_System_const_iterator_t *pgit, ppl_const_Generator_System_const_iterator_t git)
  Builds a const iterator that is a copy of `git`; writes a handle for the newly created const iterator at address `pgit`.
- int ppl_assign_Generator_System_const_iterator_from_Generator_System_const_iterator (ppl_Generator_System_const_iterator_t dst, ppl_const_Generator_System_const_iterator_t src)
  Assigns a copy of the const iterator `src` to `dst`.
- int ppl_delete_Generator_System_const_iterator (ppl_const_Generator_System_const_iterator_t git)
  Invalidates the handle `git`: this makes sure the corresponding resources will eventually be released.

Dereferencing, Incrementing and Equality Testing

- int ppl_Generator_System_const_iterator_dereference (ppl_const_Generator_System_const_iterator_t git, ppl_const_Generator_t *pg)
  Dereference `git` writing a const handle to the resulting generator at address `pg`.

- int ppl_Generator_System_const_iterator_increment (ppl_Generator_System_const_iterator_t git)

  Increment `git` so that it "points" to the next generator.

- int ppl_Generator_System_const_iterator_equal_test (ppl_const_Generator_System_const_iterator_t x, ppl_const_Generator_System_const_iterator_t y)

  Returns a positive integer if the iterators corresponding to `x` and `y` are equal; returns 0 if they are different.

7.25.1 Detailed Description

Types and functions for iterating on generator systems. The types and functions for generator systems iterators provide read-only access to the elements of a generator system by interfacing *Generator_System::const_iterator*.

The documentation for this interface was generated from the following file:

- ppl_c.h

7.26 ppl_Generator_System_tag Interface Reference

Types and functions for generator systems.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

Constructors, Assignment and Destructor

- int ppl_new_Generator_System (ppl_Generator_System_t *pgs)

  Builds an empty system of generators and writes a handle to it at address `pgs`.

- int ppl_new_Generator_System_from_Generator (ppl_Generator_System_t *pgs, ppl_const_Generator_t g)

  Builds the singleton generator system containing only a copy of generator `g`; writes a handle for the newly created system at address `pgs`.

- int ppl_new_Generator_System_from_Generator_System (ppl_Generator_System_t *pgs, ppl_const_Generator_System_t gs)

  Builds a generator system that is a copy of `gs`; writes a handle for the newly created system at address `pgs`.

- int ppl_assign_Generator_System_from_Generator_System (ppl_Generator_System_t dst, ppl_const_Generator_System_t src)

  Assigns a copy of the generator system `src` to `dst`.

- int ppl_delete_Generator_System (ppl_const_Generator_System_t gs)

  Invalidates the handle `gs`: this makes sure the corresponding resources will eventually be released.

Functions that Do Not Modify the Generator System

- int ppl_Generator_System_space_dimension (ppl_const_Generator_System_t gs, ppl_dimension_type *m)
  Writes to `m` the dimension of the vector space enclosing `gs`.
- int ppl_Generator_System_empty (ppl_const_Generator_System_t gs)
  Returns a positive integer if `gs` contains no generators; returns 0 otherwise.
- int ppl_Generator_System_begin (ppl_const_Generator_System_t gs, ppl_Generator_System_const_iterator_t git)
  Assigns to `git` a const iterator "pointing" to the beginning of the generator system `gs`.
- int ppl_Generator_System_end (ppl_const_Generator_System_t gs, ppl_Generator_System_const_iterator_t git)
  Assigns to `git` a const iterator "pointing" past the end of the generator system `gs`.
- int ppl_Generator_System_OK (ppl_const_Generator_System_t gs)
  Returns a positive integer if `gs` is well formed, i.e., if it satisfies all its implementation invariants; returns 0 and perhaps makes some noise if `gs` is broken. Useful for debugging purposes.

Functions that May Modify the Generator System

- int ppl_Generator_System_clear (ppl_Generator_System_t gs)
  Removes all the generators from the generator system `gs` and sets its space dimension to 0.
- int ppl_Generator_System_insert_Generator (ppl_Generator_System_t gs, ppl_const_Generator_t g)
  Inserts a copy of the generator `g` into `gs`; the space dimension is increased, if necessary.

Input/Output Functions

- int ppl_io_print_Generator_System (ppl_const_Generator_System_t x)
  Prints `x` to `stdout`.
- int ppl_io_fprint_Generator_System (FILE *stream, ppl_const_Generator_System_t x)
  Prints `x` to the given output `stream`.
- int ppl_io_asprint_Generator_System (char **strp, ppl_const_Generator_System_t x)
  Prints `x` to a malloc-allocated string, a pointer to which is returned via `strp`.
- int ppl_Generator_System_ascii_dump (ppl_const_Generator_System_t x, FILE *stream)
  Dumps an ascii representation of `x` on `stream`.
- int ppl_Generator_System_ascii_load (ppl_Generator_System_t x, FILE *stream)
  Loads an ascii representation of `x` from `stream`.

7.26.1 Detailed Description

Types and functions for generator systems. The types and functions for generator systems provide an interface towards *Generator_System*.

The documentation for this interface was generated from the following file:

- ppl_c.h

7.27 ppl_Generator_tag Interface Reference

Types and functions for generators.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

Constructors, Assignment and Destructor

- int ppl_new_Generator (ppl_Generator_t *pg, ppl_const_Linear_Expression_t le, enum ppl_enum_Generator_Type t, ppl_const_Coefficient_t d)

  Creates a new generator of direction `le` and type `t`. If the generator to be created is a point or a closure point, the divisor `d` is applied to `le`. For other types of generators `d` is simply disregarded. A handle for the new generator is written at address `pg`. The space dimension of the new generator is equal to the space dimension of `le`.

- int ppl_new_Generator_zero_dim_point (ppl_Generator_t *pg)

  Creates the point that is the origin of the zero-dimensional space $\mathbb{R}^0$. Writes a handle for the new generator at address `pg`.

- int ppl_new_Generator_zero_dim_closure_point (ppl_Generator_t *pg)

  Creates, as a closure point, the point that is the origin of the zero-dimensional space $\mathbb{R}^0$. Writes a handle for the new generator at address `pg`.

- int ppl_new_Generator_from_Generator (ppl_Generator_t *pg, ppl_const_Generator_t g)

  Builds a generator that is a copy of `g`; writes a handle for the newly created generator at address `pg`.

- int ppl_assign_Generator_from_Generator (ppl_Generator_t dst, ppl_const_Generator_t src)

  Assigns a copy of the generator `src` to `dst`.

- int ppl_delete_Generator (ppl_const_Generator_t g)

  Invalidates the handle `g`: this makes sure the corresponding resources will eventually be released.

Functions that Do Not Modify the Generator

- int ppl_Generator_space_dimension (ppl_const_Generator_t g, ppl_dimension_type *m)

  Writes to `m` the space dimension of `g`.

- int ppl_Generator_type (ppl_const_Generator_t g)

  Returns the type of generator `g`.

- int ppl_Generator_coefficient (ppl_const_Generator_t g, ppl_dimension_type var, ppl_Coefficient_t n)

  Copies into `n` the coefficient of variable `var` in generator `g`.

- int ppl_Generator_divisor (ppl_const_Generator_t g, ppl_Coefficient_t n)

  If `g` is a point or a closure point assigns its divisor to `n`.

- int ppl_Generator_OK (ppl_const_Generator_t g)

Returns a positive integer if `g` is well formed, i.e., if it satisfies all its implementation invariants; returns 0 and perhaps makes some noise if `g` is broken. Useful for debugging purposes.

Input/Output Functions

- int ppl_io_print_Generator (ppl_const_Generator_t x)
  Prints `x` to `stdout`.
- int ppl_io_fprint_Generator (FILE *stream, ppl_const_Generator_t x)
  Prints `x` to the given output `stream`.
- int ppl_io_asprint_Generator (char **strp, ppl_const_Generator_t x)
  Prints `x` to a malloc-allocated string, a pointer to which is returned via `strp`.
- int ppl_Generator_ascii_dump (ppl_const_Generator_t x, FILE *stream)
  Dumps an ascii representation of `x` on `stream`.
- int ppl_Generator_ascii_load (ppl_Generator_t x, FILE *stream)
  Loads an ascii representation of `x` from `stream`.

7.27.1 Detailed Description

Types and functions for generators. The types and functions for generators provide an interface towards *Generator*.

The documentation for this interface was generated from the following file:

- ppl_c.h

7.28 ppl_Grid_Generator_System_const_iterator_tag Interface Reference

Types and functions for iterating on grid generator systems.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

Constructors, Assignment and Destructor

- int ppl_new_Grid_Generator_System_const_iterator (ppl_Grid_Generator_System_const_iterator_t *pgit)
  Builds a new 'const iterator' and writes a handle to it at address `pgit`.
- int ppl_new_Grid_Generator_System_const_iterator_from_Grid_Generator_System_const_iterator (ppl_Grid_Generator_System_const_iterator_t *pgit, ppl_const_Grid_Generator_System_const_iterator_t git)
  Builds a const iterator that is a copy of `git`; writes a handle for the newly created const iterator at address `pgit`.

- int ppl_assign_Grid_Generator_System_const_iterator_from_Grid_Generator_System_const_iterator (ppl_Grid_Generator_System_const_iterator_t dst, ppl_const_Grid_Generator_System_const_iterator_t src)

  Assigns a copy of the const iterator `src` to `dst`.

- int ppl_delete_Grid_Generator_System_const_iterator (ppl_const_Grid_Generator_System_const_iterator_t git)

  Invalidates the handle `git`: this makes sure the corresponding resources will eventually be released.

Dereferencing, Incrementing and Equality Testing

- int ppl_Grid_Generator_System_const_iterator_dereference (ppl_const_Grid_Generator_System_const_iterator_t git, ppl_const_Grid_Generator_t *pg)

  Dereference `git` writing a const handle to the resulting grid generator at address `pg`.

- int ppl_Grid_Generator_System_const_iterator_increment (ppl_Grid_Generator_System_const_iterator_t git)

  Increment `git` so that it "points" to the next grid generator.

- int ppl_Grid_Generator_System_const_iterator_equal_test (ppl_const_Grid_Generator_System_const_iterator_t x, ppl_const_Grid_Generator_System_const_iterator_t y)

  Returns a positive integer if the iterators corresponding to `x` and `y` are equal; returns 0 if they are different.

7.28.1 Detailed Description

Types and functions for iterating on grid generator systems. The types and functions for grid generator systems iterators provide read-only access to the elements of a grid generator system by interfacing *Grid_Generator_System::const_iterator*.

The documentation for this interface was generated from the following file:

- ppl_c.h

7.29 ppl_Grid_Generator_System_tag Interface Reference

Types and functions for grid generator systems.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

Constructors, Assignment and Destructor

- int ppl_new_Grid_Generator_System (ppl_Grid_Generator_System_t *pgs)

  Builds an empty system of grid generators and writes a handle to it at address `pgs`.

- int ppl_new_Grid_Generator_System_from_Grid_Generator (ppl_Grid_Generator_System_t *pgs, ppl_const_Grid_Generator_t g)

  Builds the singleton grid generator system containing only a copy of generator `g`; writes a handle for the newly created system at address `pgs`.

- int ppl_new_Grid_Generator_System_from_Grid_Generator_System (ppl_Grid_Generator_System_t *pgs, ppl_const_Grid_Generator_System_t gs)

  Builds a grid generator system that is a copy of `gs`; writes a handle for the newly created system at address `pgs`.

- int ppl_assign_Grid_Generator_System_from_Grid_Generator_System (ppl_Grid_Generator_System_t dst, ppl_const_Grid_Generator_System_t src)

  Assigns a copy of the grid generator system `src` to `dst`.

- int ppl_delete_Grid_Generator_System (ppl_const_Grid_Generator_System_t gs)

  Invalidates the handle `gs`: this makes sure the corresponding resources will eventually be released.

Functions that Do Not Modify the Grid Generator System

- int ppl_Grid_Generator_System_space_dimension (ppl_const_Grid_Generator_System_t gs, ppl_dimension_type *m)

  Writes to `m` the dimension of the vector space enclosing `gs`.

- int ppl_Grid_Generator_System_empty (ppl_const_Grid_Generator_System_t gs)

  Returns a positive integer if `gs` contains no generator; returns 0 otherwise.

- int ppl_Grid_Generator_System_begin (ppl_const_Grid_Generator_System_t gs, ppl_Grid_Generator_System_const_iterator_t git)

  Assigns to `git` a const iterator "pointing" to the beginning of the grid generator system `gs`.

- int ppl_Grid_Generator_System_end (ppl_const_Grid_Generator_System_t gs, ppl_Grid_Generator_System_const_iterator_t git)

  Assigns to `git` a const iterator "pointing" past the end of the grid generator system `gs`.

- int ppl_Grid_Generator_System_OK (ppl_const_Grid_Generator_System_t gs)

  Returns a positive integer if `gs` is well formed, i.e., if it satisfies all its implementation invariants; returns 0 and perhaps makes some noise if `gs` is broken. Useful for debugging purposes.

Functions that May Modify the Grid Generator System

- int ppl_Grid_Generator_System_clear (ppl_Grid_Generator_System_t gs)

  Removes all the generators from the grid generator system `gs` and sets its space dimension to 0.

- int ppl_Grid_Generator_System_insert_Grid_Generator (ppl_Grid_Generator_System_t gs, ppl_const_Grid_Generator_t g)

  Inserts a copy of the grid generator `g` into `gs`; the space dimension is increased, if necessary.

Input/Output Functions

- int ppl_io_print_Grid_Generator_System (ppl_const_Grid_Generator_System_t x)

Prints `x` *to* `stdout`.

- int ppl_io_fprint_Grid_Generator_System (FILE *stream, ppl_const_Grid_Generator_System_t x)

  Prints `x` *to the given output* `stream`.

- int ppl_io_asprint_Grid_Generator_System (char **strp, ppl_const_Grid_Generator_System_t x)

  Prints `x` *to a malloc-allocated string, a pointer to which is returned via* `strp`.

- int ppl_Grid_Generator_System_ascii_dump (ppl_const_Grid_Generator_System_t x, FILE *stream)

  Dumps an ascii representation of `x` *on* `stream`.

- int ppl_Grid_Generator_System_ascii_load (ppl_Grid_Generator_System_t x, FILE *stream)

  Loads an ascii representation of `x` *from* `stream`.

7.29.1 Detailed Description

Types and functions for grid generator systems. The types and functions for grid generator systems provide an interface towards *Grid_Generator_System*.

The documentation for this interface was generated from the following file:

- ppl_c.h

7.30 ppl_Grid_Generator_tag Interface Reference

Types and functions for grid generators.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

Constructors, Assignment and Destructor

- int ppl_new_Grid_Generator (ppl_Grid_Generator_t *pg, ppl_const_Linear_Expression_t le, enum ppl_enum_Grid_Generator_Type t, ppl_const_Coefficient_t d)

  Creates a new grid generator of direction `le` *and type* `t`. *If the grid generator to be created is a point or a parameter, the divisor* `d` *is applied to* `le`. *If it is a line,* `d` *is simply disregarded. A handle for the new grid generator is written at address* `pg`. *The space dimension of the new grid generator is equal to the space dimension of* `le`.

- int ppl_new_Grid_Generator_zero_dim_point (ppl_Grid_Generator_t *pg)

  Creates the point that is the origin of the zero-dimensional space $\mathbb{R}^0$. *Writes a handle for the new grid generator at address* `pg`.

- int ppl_new_Grid_Generator_from_Grid_Generator (ppl_Grid_Generator_t *pg, ppl_const_Grid_Generator_t g)

Builds a grid generator that is a copy of `g`*; writes a handle for the newly created grid generator at address* `pg`*.*

- int ppl_assign_Grid_Generator_from_Grid_Generator (ppl_Grid_Generator_t dst, ppl_const_Grid_Generator_t src)
  Assigns a copy of the grid generator `src` *to* `dst`*.*

- int ppl_delete_Grid_Generator (ppl_const_Grid_Generator_t g)
  Invalidates the handle `g`*: this makes sure the corresponding resources will eventually be released.*

Functions that Do Not Modify the Grid Generator

- int ppl_Grid_Generator_space_dimension (ppl_const_Grid_Generator_t g, ppl_dimension_type *m)
  Writes to `m` *the space dimension of* `g`*.*

- int ppl_Grid_Generator_type (ppl_const_Grid_Generator_t g)
  Returns the type of grid generator `g`*.*

- int ppl_Grid_Generator_coefficient (ppl_const_Grid_Generator_t g, ppl_dimension_type var, ppl_Coefficient_t n)
  Copies into `n` *the coefficient of variable* `var` *in grid generator* `g`*.*

- int ppl_Grid_Generator_divisor (ppl_const_Grid_Generator_t g, ppl_Coefficient_t n)
  If `g` *is a point or a parameter assigns its divisor to* `n`*.*

- int ppl_Grid_Generator_OK (ppl_const_Grid_Generator_t g)
  Returns a positive integer if `g` *is well formed, i.e., if it satisfies all its implementation invariants; returns 0 and perhaps makes some noise if* `g` *is broken. Useful for debugging purposes.*

Input/Output Functions

- int ppl_io_print_Grid_Generator (ppl_const_Grid_Generator_t x)
  Prints `x` *to* `stdout`*.*

- int ppl_io_fprint_Grid_Generator (FILE *stream, ppl_const_Grid_Generator_t x)
  Prints `x` *to the given output* `stream`*.*

- int ppl_io_asprint_Grid_Generator (char **strp, ppl_const_Grid_Generator_t x)
  Prints `x` *to a malloc-allocated string, a pointer to which is returned via* `strp`*.*

- int ppl_Grid_Generator_ascii_dump (ppl_const_Grid_Generator_t x, FILE *stream)
  Dumps an ascii representation of `x` *on* `stream`*.*

- int ppl_Grid_Generator_ascii_load (ppl_Grid_Generator_t x, FILE *stream)
  Loads an ascii representation of `x` *from* `stream`*.*

7.30.1 Detailed Description

Types and functions for grid generators. The types and functions for grid generators provide an interface towards *Grid_Generator*.

The documentation for this interface was generated from the following file:

- ppl_c.h

7.31 ppl_Grid_tag Interface Reference

Types and functions for ppl_Grid_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Grid (ppl_const_Grid_t ph)
- int ppl_new_Grid_from_space_dimension (ppl_Grid_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Grid_from_Int8_Box (ppl_Grid_t *pph, ppl_const_Int8_Box_t ph)
- int ppl_new_Grid_from_Int16_Box (ppl_Grid_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_Grid_from_Int32_Box (ppl_Grid_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_Grid_from_Int64_Box (ppl_Grid_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_Grid_from_Uint8_Box (ppl_Grid_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_Grid_from_Uint16_Box (ppl_Grid_t *pph, ppl_const_Uint16_Box_t ph)
- int ppl_new_Grid_from_Uint32_Box (ppl_Grid_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_Grid_from_Uint64_Box (ppl_Grid_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_Grid_from_Z_Box (ppl_Grid_t *pph, ppl_const_Z_Box_t ph)
- int ppl_new_Grid_from_Rational_Box (ppl_Grid_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_Grid_from_BD_Shape_int8_t (ppl_Grid_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_Grid_from_BD_Shape_int16_t (ppl_Grid_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_Grid_from_BD_Shape_int32_t (ppl_Grid_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_Grid_from_BD_Shape_int64_t (ppl_Grid_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_Grid_from_BD_Shape_mpz_class (ppl_Grid_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_Grid_from_BD_Shape_mpq_class (ppl_Grid_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_Grid_from_Octagonal_Shape_int8_t (ppl_Grid_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_Grid_from_Octagonal_Shape_int16_t (ppl_Grid_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_Grid_from_Octagonal_Shape_int32_t (ppl_Grid_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_Grid_from_Octagonal_Shape_int64_t (ppl_Grid_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_Grid_from_Octagonal_Shape_mpz_class (ppl_Grid_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_Grid_from_Octagonal_Shape_mpq_class (ppl_Grid_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_Grid_from_C_Polyhedron (ppl_Grid_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Grid_from_NNC_Polyhedron (ppl_Grid_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Grid_from_Grid (ppl_Grid_t *pph, ppl_const_Grid_t ph)
- int ppl_new_Grid_from_Float_Box (ppl_Grid_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_Grid_from_BD_Shape_float (ppl_Grid_t *pph, ppl_const_BD_Shape_float_t ph)
- int ppl_new_Grid_from_Octagonal_Shape_float (ppl_Grid_t *pph, ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_Grid_from_Double_Box (ppl_Grid_t *pph, ppl_const_Double_Box_t ph)
- int ppl_new_Grid_from_BD_Shape_double (ppl_Grid_t *pph, ppl_const_BD_Shape_double_t ph)

- int ppl_new_Grid_from_Octagonal_Shape_double (ppl_Grid_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_Grid_from_Long_Double_Box (ppl_Grid_t *pph, ppl_const_Long_Double_Box_t ph)
- int ppl_new_Grid_from_BD_Shape_long_double (ppl_Grid_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_Grid_from_Octagonal_Shape_long_double (ppl_Grid_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_Grid_from_Int8_Box_with_complexity (ppl_Grid_t *pph, ppl_const_Int8_Box_t ph, int complexity)
- int ppl_new_Grid_from_Int16_Box_with_complexity (ppl_Grid_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_Grid_from_Int32_Box_with_complexity (ppl_Grid_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_Grid_from_Int64_Box_with_complexity (ppl_Grid_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_Grid_from_Uint8_Box_with_complexity (ppl_Grid_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_Grid_from_Uint16_Box_with_complexity (ppl_Grid_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_Grid_from_Uint32_Box_with_complexity (ppl_Grid_t *pph, ppl_const_Uint32_Box_t ph, int complexity)
- int ppl_new_Grid_from_Uint64_Box_with_complexity (ppl_Grid_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_Grid_from_Z_Box_with_complexity (ppl_Grid_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_Grid_from_Rational_Box_with_complexity (ppl_Grid_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_Grid_from_BD_Shape_int8_t_with_complexity (ppl_Grid_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)
- int ppl_new_Grid_from_BD_Shape_int16_t_with_complexity (ppl_Grid_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_Grid_from_BD_Shape_int32_t_with_complexity (ppl_Grid_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_Grid_from_BD_Shape_int64_t_with_complexity (ppl_Grid_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_Grid_from_BD_Shape_mpz_class_with_complexity (ppl_Grid_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Grid_from_BD_Shape_mpq_class_with_complexity (ppl_Grid_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Grid_from_Octagonal_Shape_int8_t_with_complexity (ppl_Grid_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_Grid_from_Octagonal_Shape_int16_t_with_complexity (ppl_Grid_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_Grid_from_Octagonal_Shape_int32_t_with_complexity (ppl_Grid_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_Grid_from_Octagonal_Shape_int64_t_with_complexity (ppl_Grid_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_new_Grid_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Grid_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Grid_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Grid_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)

- int ppl_new_Grid_from_C_Polyhedron_with_complexity (ppl_Grid_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Grid_from_NNC_Polyhedron_with_complexity (ppl_Grid_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Grid_from_Grid_with_complexity (ppl_Grid_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_Grid_from_Float_Box_with_complexity (ppl_Grid_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_Grid_from_BD_Shape_float_with_complexity (ppl_Grid_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)
- int ppl_new_Grid_from_Octagonal_Shape_float_with_complexity (ppl_Grid_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_Grid_from_Double_Box_with_complexity (ppl_Grid_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_Grid_from_BD_Shape_double_with_complexity (ppl_Grid_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_Grid_from_Octagonal_Shape_double_with_complexity (ppl_Grid_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_Grid_from_Long_Double_Box_with_complexity (ppl_Grid_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_Grid_from_BD_Shape_long_double_with_complexity (ppl_Grid_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_Grid_from_Octagonal_Shape_long_double_with_complexity (ppl_Grid_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_Grid_from_Constraint_System (ppl_Grid_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Grid_from_Congruence_System (ppl_Grid_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_new_Grid_from_Grid_Generator_System (ppl_Grid_t *pph, ppl_const_Grid_Generator_System_t cs)
- int ppl_Grid_space_dimension (ppl_const_Grid_t ph, ppl_dimension_type *m)
- int ppl_Grid_affine_dimension (ppl_const_Grid_t ph, ppl_dimension_type *m)
- int ppl_Grid_relation_with_Constraint (ppl_const_Grid_t ph, ppl_const_Constraint_t c)
- int ppl_Grid_relation_with_Generator (ppl_const_Grid_t ph, ppl_const_Generator_t c)
- int ppl_Grid_relation_with_Congruence (ppl_const_Grid_t ph, ppl_const_Congruence_t c)
- int ppl_Grid_relation_with_Grid_Generator (ppl_const_Grid_t ph, ppl_const_Grid_Generator_t c)
- int ppl_Grid_get_constraints (ppl_const_Grid_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Grid_get_congruences (ppl_const_Grid_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Grid_get_grid_generators (ppl_const_Grid_t ph, ppl_const_Grid_Generator_System_t *pcs)
- int ppl_Grid_get_minimized_constraints (ppl_const_Grid_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Grid_get_minimized_congruences (ppl_const_Grid_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Grid_get_minimized_grid_generators (ppl_const_Grid_t ph, ppl_const_Grid_Generator_System_t *pcs)
- int ppl_Grid_is_empty (ppl_const_Grid_t ph)
- int ppl_Grid_is_universe (ppl_const_Grid_t ph)
- int ppl_Grid_is_bounded (ppl_const_Grid_t ph)
- int ppl_Grid_contains_integer_point (ppl_const_Grid_t ph)
- int ppl_Grid_is_topologically_closed (ppl_const_Grid_t ph)
- int ppl_Grid_is_discrete (ppl_const_Grid_t ph)
- int ppl_Grid_topological_closure_assign (ppl_Grid_t ph)

- int ppl_Grid_bounds_from_above (ppl_const_Grid_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Grid_bounds_from_below (ppl_const_Grid_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Grid_maximize (ppl_const_Grid_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Grid_minimize (ppl_const_Grid_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Grid_maximize_with_point (ppl_const_Grid_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Grid_minimize_with_point (ppl_const_Grid_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Grid_frequency (ppl_const_Grid_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_fn, ppl_Coefficient_t ext_fd, ppl_Coefficient_t ext_vn, ppl_Coefficient_t ext_vd)
- int ppl_Grid_contains_Grid (ppl_const_Grid_t x, ppl_const_Grid_t y)
- int ppl_Grid_strictly_contains_Grid (ppl_const_Grid_t x, ppl_const_Grid_t y)
- int ppl_Grid_is_disjoint_from_Grid (ppl_const_Grid_t x, ppl_const_Grid_t y)
- int ppl_Grid_equals_Grid (ppl_const_Grid_t x, ppl_const_Grid_t y)
- int ppl_Grid_OK (ppl_const_Grid_t ph)
- int ppl_Grid_add_constraint (ppl_Grid_t ph, ppl_const_Constraint_t c)
- int ppl_Grid_add_congruence (ppl_Grid_t ph, ppl_const_Congruence_t c)
- int ppl_Grid_add_grid_generator (ppl_Grid_t ph, ppl_const_Grid_Generator_t c)
- int ppl_Grid_add_constraints (ppl_Grid_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Grid_add_congruences (ppl_Grid_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Grid_add_grid_generators (ppl_Grid_t ph, ppl_const_Grid_Generator_System_t cs)
- int ppl_Grid_refine_with_constraint (ppl_Grid_t ph, ppl_const_Constraint_t c)
- int ppl_Grid_refine_with_congruence (ppl_Grid_t ph, ppl_const_Congruence_t c)
- int ppl_Grid_refine_with_constraints (ppl_Grid_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Grid_refine_with_congruences (ppl_Grid_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Grid_intersection_assign (ppl_Grid_t x, ppl_const_Grid_t y)
- int ppl_Grid_upper_bound_assign (ppl_Grid_t x, ppl_const_Grid_t y)
- int ppl_Grid_difference_assign (ppl_Grid_t x, ppl_const_Grid_t y)
- int ppl_Grid_concatenate_assign (ppl_Grid_t x, ppl_const_Grid_t y)
- int ppl_Grid_time_elapse_assign (ppl_Grid_t x, ppl_const_Grid_t y)
- int ppl_Grid_upper_bound_assign_if_exact (ppl_Grid_t x, ppl_const_Grid_t y)
- int ppl_Grid_simplify_using_context_assign (ppl_Grid_t x, ppl_const_Grid_t y)
- int ppl_Grid_constrains (ppl_Grid_t ph, ppl_dimension_type var)
- int ppl_Grid_unconstrain_space_dimension (ppl_Grid_t ph, ppl_dimension_type var)
- int ppl_Grid_unconstrain_space_dimensions (ppl_Grid_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Grid_affine_image (ppl_Grid_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Grid_affine_preimage (ppl_Grid_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Grid_bounded_affine_image (ppl_Grid_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Grid_bounded_affine_preimage (ppl_Grid_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Grid_generalized_affine_image (ppl_Grid_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Grid_generalized_affine_preimage (ppl_Grid_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Grid_generalized_affine_image_lhs_rhs (ppl_Grid_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)

- int ppl_Grid_generalized_affine_preimage_lhs_rhs (ppl_Grid_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Grid_generalized_affine_image_with_congruence (ppl_Grid_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d, ppl_const_Coefficient_t m)
- int ppl_Grid_generalized_affine_preimage_with_congruence (ppl_Grid_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d, ppl_const_Coefficient_t m)
- int ppl_Grid_generalized_affine_image_lhs_rhs_with_congruence (ppl_Grid_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs, ppl_const_Coefficient_t m)
- int ppl_Grid_generalized_affine_preimage_lhs_rhs_with_congruence (ppl_Grid_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs, ppl_const_Coefficient_t m)
- int ppl_Grid_add_space_dimensions_and_embed (ppl_Grid_t ph, ppl_dimension_type d)
- int ppl_Grid_add_space_dimensions_and_project (ppl_Grid_t ph, ppl_dimension_type d)
- int ppl_Grid_remove_space_dimensions (ppl_Grid_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Grid_remove_higher_space_dimensions (ppl_Grid_t ph, ppl_dimension_type d)
- int ppl_Grid_expand_space_dimension (ppl_Grid_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Grid_fold_space_dimensions (ppl_Grid_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Grid_map_space_dimensions (ppl_Grid_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Grid_drop_some_non_integer_points (ppl_Grid_t ph, int complexity)
- int ppl_Grid_drop_some_non_integer_points_2 (ppl_Grid_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Grid_external_memory_in_bytes (ppl_const_Grid_t ps, size_t *sz)
- int ppl_Grid_total_memory_in_bytes (ppl_const_Grid_t ps, size_t *sz)
- int ppl_Grid_congruence_widening_assign_with_tokens (ppl_Grid_t x, ppl_const_Grid_t y, unsigned *tp)
- int ppl_Grid_generator_widening_assign_with_tokens (ppl_Grid_t x, ppl_const_Grid_t y, unsigned *tp)
- int ppl_Grid_congruence_widening_assign (ppl_Grid_t x, ppl_const_Grid_t y)
- int ppl_Grid_generator_widening_assign (ppl_Grid_t x, ppl_const_Grid_t y)
- int ppl_Grid_widening_assign_with_tokens (ppl_Grid_t x, ppl_const_Grid_t y, unsigned *tp)
- int ppl_Grid_widening_assign (ppl_Grid_t x, ppl_const_Grid_t y)
- int ppl_Grid_limited_congruence_extrapolation_assign_with_tokens (ppl_Grid_t x, ppl_const_Grid_t y, ppl_const_Congruence_System_t cs, unsigned *tp)
- int ppl_Grid_limited_generator_extrapolation_assign_with_tokens (ppl_Grid_t x, ppl_const_Grid_t y, ppl_const_Congruence_System_t cs, unsigned *tp)
- int ppl_Grid_limited_congruence_extrapolation_assign (ppl_Grid_t x, ppl_const_Grid_t y, ppl_const_Congruence_System_t cs)
- int ppl_Grid_limited_generator_extrapolation_assign (ppl_Grid_t x, ppl_const_Grid_t y, ppl_const_Congruence_System_t cs)
- int ppl_Grid_approximate_partition (ppl_const_Grid_t x, ppl_const_Grid_t y, ppl_Grid_t *p_inters, ppl_Pointset_Powerset_Grid_t *p_rest, int *p_finite)
- int ppl_Grid_wrap_assign (ppl_Grid_t ph, ppl_dimension_type ds[ ], size_t n, enum ppl_enum_Bounded_Integer_Type_Width w, enum ppl_enum_Bounded_Integer_Type_Representation r, enum ppl_enum_Bounded_Integer_Type_Overflow o, const ppl_const_Constraint_System_t *pcs, unsigned complexity_threshold, int wrap_individually)
- int ppl_new_Grid_recycle_Constraint_System (ppl_Grid_t *pph, ppl_Constraint_System_t cs)

- int ppl_new_Grid_recycle_Congruence_System (ppl_Grid_t *pph, ppl_Congruence_System_t cs)
- int ppl_new_Grid_recycle_Grid_Generator_System (ppl_Grid_t *pph, ppl_Grid_Generator_System_t cs)
- int ppl_assign_Grid_from_Grid (ppl_Grid_t dst, ppl_const_Grid_t src)
- int ppl_Grid_add_recycled_constraints (ppl_Grid_t ph, ppl_Constraint_System_t cs)
- int ppl_Grid_add_recycled_congruences (ppl_Grid_t ph, ppl_Congruence_System_t cs)
- int ppl_Grid_add_recycled_grid_generators (ppl_Grid_t ph, ppl_Grid_Generator_System_t cs)
- int ppl_termination_test_MS_Grid (ppl_const_Grid_t pset)
- int ppl_termination_test_PR_Grid (ppl_const_Grid_t pset)
- int ppl_one_affine_ranking_function_MS_Grid (ppl_const_Grid_t pset, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Grid (ppl_const_Grid_t pset, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Grid (ppl_const_Grid_t pset, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Grid (ppl_const_Grid_t pset, ppl_Polyhedron_t ph)
- int ppl_termination_test_MS_Grid_2 (ppl_const_Grid_t pset_before, ppl_const_Grid_t pset_after)
- int ppl_termination_test_PR_Grid_2 (ppl_const_Grid_t pset_before, ppl_const_Grid_t pset_after)
- int ppl_one_affine_ranking_function_MS_Grid_2 (ppl_const_Grid_t pset_before, ppl_const_Grid_t pset_after, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Grid_2 (ppl_const_Grid_t pset_before, ppl_const_Grid_t pset_after, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Grid_2 (ppl_const_Grid_t pset_before, ppl_const_Grid_t pset_after, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Grid_2 (ppl_const_Grid_t pset_before, ppl_const_Grid_t pset_after, ppl_Polyhedron_t ph)
- int ppl_io_print_Grid (ppl_const_Grid_t x)
- int ppl_io_fprint_Grid (FILE *stream, ppl_const_Grid_t x)
- int ppl_io_asprint_Grid (char **strp, ppl_const_Grid_t x)
- int ppl_Grid_ascii_dump (ppl_const_Grid_t x, FILE *stream)
- int ppl_Grid_ascii_load (ppl_Grid_t x, FILE *stream)

7.31.1 Detailed Description

Types and functions for ppl_Grid_tag.

7.31.2 Friends And Related Function Documentation

7.31.2.1 int ppl_delete_Grid (ppl_const_Grid_t *ph*) [related]

7.31.2.2 int ppl_new_Grid_from_space_dimension (ppl_Grid_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.31.2.3 int ppl_new_Grid_from_Int8_Box (ppl_Grid_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.31.2.4 int ppl_new_Grid_from_Int16_Box (ppl_Grid_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.31.2.5 int ppl_new_Grid_from_Int32_Box (ppl_Grid_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.31.2.6 int ppl_new_Grid_from_Int64_Box (ppl_Grid_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.31.2.7 int ppl_new_Grid_from_Uint8_Box (ppl_Grid_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.31.2.8 int ppl_new_Grid_from_Uint16_Box (ppl_Grid_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.31.2.9 int ppl_new_Grid_from_Uint32_Box (ppl_Grid_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.31.2.10 int ppl_new_Grid_from_Uint64_Box (ppl_Grid_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.31.2.11 int ppl_new_Grid_from_Z_Box (ppl_Grid_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.31.2.12 int ppl_new_Grid_from_Rational_Box (ppl_Grid_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.31.2.13 int ppl_new_Grid_from_BD_Shape_int8_t (ppl_Grid_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.31.2.14 int ppl_new_Grid_from_BD_Shape_int16_t (ppl_Grid_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.31.2.15 int ppl_new_Grid_from_BD_Shape_int32_t (ppl_Grid_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.31.2.16 int ppl_new_Grid_from_BD_Shape_int64_t (ppl_Grid_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.31.2.17 int ppl_new_Grid_from_BD_Shape_mpz_class (ppl_Grid_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.31.2.18 int ppl_new_Grid_from_BD_Shape_mpq_class (ppl_Grid_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.31.2.19 int ppl_new_Grid_from_Octagonal_Shape_int8_t (ppl_Grid_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.31.2.20 int ppl_new_Grid_from_Octagonal_Shape_int16_t (ppl_Grid_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.31.2.21 int ppl_new_Grid_from_Octagonal_Shape_int32_t (ppl_Grid_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.31.2.22 int ppl_new_Grid_from_Octagonal_Shape_int64_t (ppl_Grid_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.31.2.23 int ppl_new_Grid_from_Octagonal_Shape_mpz_class (ppl_Grid_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.31.2.24 int ppl_new_Grid_from_Octagonal_Shape_mpq_class (ppl_Grid_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.31.2.25 int ppl_new_Grid_from_C_Polyhedron (ppl_Grid_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.31.2.26 int ppl_new_Grid_from_NNC_Polyhedron (ppl_Grid_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.31.2.27 int ppl_new_Grid_from_Grid (ppl_Grid_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.31.2.28 int ppl_new_Grid_from_Float_Box (ppl_Grid_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.31.2.29 int ppl_new_Grid_from_BD_Shape_float (ppl_Grid_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.31.2.30 int ppl_new_Grid_from_Octagonal_Shape_float (ppl_Grid_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.31.2.31 int ppl_new_Grid_from_Double_Box (ppl_Grid_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.31.2.32 int ppl_new_Grid_from_BD_Shape_double (ppl_Grid_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.31.2.33 int ppl_new_Grid_from_Octagonal_Shape_double (ppl_Grid_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.31.2.34 int ppl_new_Grid_from_Long_Double_Box (ppl_Grid_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.31.2.35 int ppl_new_Grid_from_BD_Shape_long_double (ppl_Grid_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.31.2.36 int ppl_new_Grid_from_Octagonal_Shape_long_double (ppl_Grid_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.31.2.37 int ppl_new_Grid_from_Int8_Box_with_complexity (ppl_Grid_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.31.2.38 int ppl_new_Grid_from_Int16_Box_with_complexity (ppl_Grid_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.31.2.39 int ppl_new_Grid_from_Int32_Box_with_complexity (ppl_Grid_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.31.2.40 int ppl_new_Grid_from_Int64_Box_with_complexity (ppl_Grid_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.31.2.41 int ppl_new_Grid_from_Uint8_Box_with_complexity (ppl_Grid_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.31.2.42 int ppl_new_Grid_from_Uint16_Box_with_complexity (ppl_Grid_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.31.2.43 int ppl_new_Grid_from_Uint32_Box_with_complexity (ppl_Grid_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.31.2.44 int ppl_new_Grid_from_Uint64_Box_with_complexity (ppl_Grid_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.31.2.45 int ppl_new_Grid_from_Z_Box_with_complexity (ppl_Grid_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.31.2.46 int ppl_new_Grid_from_Rational_Box_with_complexity (ppl_Grid_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.31.2.47 int ppl_new_Grid_from_BD_Shape_int8_t_with_complexity (ppl_Grid_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.31.2.48 int ppl_new_Grid_from_BD_Shape_int16_t_with_complexity (ppl_Grid_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.31.2.49 int ppl_new_Grid_from_BD_Shape_int32_t_with_complexity (ppl_Grid_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.31.2.50 int ppl_new_Grid_from_BD_Shape_int64_t_with_complexity (ppl_Grid_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.31.2.51 int ppl_new_Grid_from_BD_Shape_mpz_class_with_complexity (ppl_Grid_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.31.2.52 int ppl_new_Grid_from_BD_Shape_mpq_class_with_complexity (ppl_Grid_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.31.2.53 int ppl_new_Grid_from_Octagonal_Shape_int8_t_with_complexity (ppl_Grid_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.31.2.54 int ppl_new_Grid_from_Octagonal_Shape_int16_t_with_complexity (ppl_Grid_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.31.2.55 int ppl_new_Grid_from_Octagonal_Shape_int32_t_with_complexity (ppl_Grid_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.31.2.56 int ppl_new_Grid_from_Octagonal_Shape_int64_t_with_complexity (ppl_Grid_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.31.2.57 int ppl_new_Grid_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Grid_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.31.2.58 int ppl_new_Grid_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Grid_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.31.2.59 int ppl_new_Grid_from_C_Polyhedron_with_complexity (ppl_Grid_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.31.2.60 int ppl_new_Grid_from_NNC_Polyhedron_with_complexity (ppl_Grid_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.31.2.61 int ppl_new_Grid_from_Grid_with_complexity (ppl_Grid_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.31.2.62 int ppl_new_Grid_from_Float_Box_with_complexity (ppl_Grid_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.31.2.63 int ppl_new_Grid_from_BD_Shape_float_with_complexity (ppl_Grid_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.31.2.64 int ppl_new_Grid_from_Octagonal_Shape_float_with_complexity (ppl_Grid_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.31.2.65 int ppl_new_Grid_from_Double_Box_with_complexity (ppl_Grid_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.31.2.66 int ppl_new_Grid_from_BD_Shape_double_with_complexity (ppl_Grid_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.31.2.67 int ppl_new_Grid_from_Octagonal_Shape_double_with_complexity (ppl_Grid_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.31.2.68 int ppl_new_Grid_from_Long_Double_Box_with_complexity (ppl_Grid_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.31.2.69 int ppl_new_Grid_from_BD_Shape_long_double_with_complexity (ppl_Grid_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.31.2.70 int ppl_new_Grid_from_Octagonal_Shape_long_double_with_complexity (ppl_Grid_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.31.2.71 int ppl_new_Grid_from_Constraint_System (ppl_Grid_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.31.2.72 int ppl_new_Grid_from_Congruence_System (ppl_Grid_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.31.2.73 int ppl_new_Grid_from_Grid_Generator_System (ppl_Grid_t * *pph*, ppl_const_Grid_Generator_System_t *cs*) [related]

7.31.2.74 int ppl_Grid_space_dimension (ppl_const_Grid_t *ph*, ppl_dimension_type * *m*) [related]

7.31.2.75 int ppl_Grid_affine_dimension (ppl_const_Grid_t *ph*, ppl_dimension_type * *m*) [related]

7.31.2.76 int ppl_Grid_relation_with_Constraint (ppl_const_Grid_t *ph*, ppl_const_Constraint_t *c*) [related]

7.31.2.77 int ppl_Grid_relation_with_Generator (ppl_const_Grid_t *ph*, ppl_const_Generator_t *c*) [related]

7.31.2.78 int ppl_Grid_relation_with_Congruence (ppl_const_Grid_t *ph*, ppl_const_Congruence_t *c*) [related]

7.31.2.79 int ppl_Grid_relation_with_Grid_Generator (ppl_const_Grid_t *ph*, ppl_const_Grid_Generator_t *c*) [related]

7.31.2.80 int ppl_Grid_get_constraints (ppl_const_Grid_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.31.2.81 int ppl_Grid_get_congruences (ppl_const_Grid_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.31.2.82 int ppl_Grid_get_grid_generators (ppl_const_Grid_t *ph*, ppl_const_Grid_Generator_System_t * *pcs*) [related]

7.31.2.83 int ppl_Grid_get_minimized_constraints (ppl_const_Grid_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.31.2.84 int ppl_Grid_get_minimized_congruences (ppl_const_Grid_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.31.2.85 int ppl_Grid_get_minimized_grid_generators (ppl_const_Grid_t *ph*, ppl_const_Grid_Generator_System_t * *pcs*) [related]

7.31.2.86 int ppl_Grid_is_empty (ppl_const_Grid_t *ph*) [related]

7.31.2.87 int ppl_Grid_is_universe (ppl_const_Grid_t *ph*) [related]

7.31.2.88 int ppl_Grid_is_bounded (ppl_const_Grid_t *ph*) [related]

7.31.2.89 int ppl_Grid_contains_integer_point (ppl_const_Grid_t *ph*) [related]

7.31.2.90 int ppl_Grid_is_topologically_closed (ppl_const_Grid_t *ph*) [related]

7.31.2.91 int ppl_Grid_is_discrete (ppl_const_Grid_t *ph*) [related]

7.31.2.92 int ppl_Grid_topological_closure_assign (ppl_Grid_t *ph*) [related]

7.31.2.93 int ppl_Grid_bounds_from_above (ppl_const_Grid_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.31.2.94 int ppl_Grid_bounds_from_below (ppl_const_Grid_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.31.2.95 int ppl_Grid_maximize (ppl_const_Grid_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.31.2.96 int ppl_Grid_minimize (ppl_const_Grid_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.31.2.97 int ppl_Grid_maximize_with_point (ppl_const_Grid_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.31.2.98 int ppl_Grid_minimize_with_point (ppl_const_Grid_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.31.2.99 int ppl_Grid_frequency (ppl_const_Grid_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_fn*, ppl_Coefficient_t *ext_fd*, ppl_Coefficient_t *ext_vn*, ppl_Coefficient_t *ext_vd*) [related]

7.31.2.100 int ppl_Grid_contains_Grid (ppl_const_Grid_t *x*, ppl_const_Grid_t *y*) [related]

7.31.2.101 int ppl_Grid_strictly_contains_Grid (ppl_const_Grid_t *x*, ppl_const_Grid_t *y*) [related]

7.31.2.102 int ppl_Grid_is_disjoint_from_Grid (ppl_const_Grid_t *x*, ppl_const_Grid_t *y*) [related]

7.31.2.103 int ppl_Grid_equals_Grid (ppl_const_Grid_t *x*, ppl_const_Grid_t *y*) [related]

7.31.2.104 int ppl_Grid_OK (ppl_const_Grid_t *ph*) [related]

7.31.2.105 int ppl_Grid_add_constraint (ppl_Grid_t *ph*, ppl_const_Constraint_t *c*) [related]

7.31.2.106 int ppl_Grid_add_congruence (ppl_Grid_t *ph*, ppl_const_Congruence_t *c*) [related]

7.31.2.107 int ppl_Grid_add_grid_generator (ppl_Grid_t *ph*, ppl_const_Grid_Generator_t *c*) [related]

7.31.2.108 int ppl_Grid_add_constraints (ppl_Grid_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.31.2.109 int ppl_Grid_add_congruences (ppl_Grid_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.31.2.110 int ppl_Grid_add_grid_generators (ppl_Grid_t *ph*, ppl_const_Grid_Generator_System_t *cs*) [related]

7.31.2.111 int ppl_Grid_refine_with_constraint (ppl_Grid_t *ph*, ppl_const_Constraint_t *c*) [related]

7.31.2.112 int ppl_Grid_refine_with_congruence (ppl_Grid_t *ph*, ppl_const_Congruence_t *c*) [related]

7.31.2.113 int ppl_Grid_refine_with_constraints (ppl_Grid_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.31.2.114 int ppl_Grid_refine_with_congruences (ppl_Grid_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.31.2.115 int ppl_Grid_intersection_assign (ppl_Grid_t *x*, ppl_const_Grid_t *y*) [related]

7.31.2.116 int ppl_Grid_upper_bound_assign (ppl_Grid_t *x*, ppl_const_Grid_t *y*) [related]

7.31.2.117 int ppl_Grid_difference_assign (ppl_Grid_t *x*, ppl_const_Grid_t *y*) [related]

7.31.2.118 int ppl_Grid_concatenate_assign (ppl_Grid_t *x*, ppl_const_Grid_t *y*) [related]

7.31.2.119 int ppl_Grid_time_elapse_assign (ppl_Grid_t *x*, ppl_const_Grid_t *y*) [related]

7.31.2.120 int ppl_Grid_upper_bound_assign_if_exact (ppl_Grid_t *x*, ppl_const_Grid_t *y*) [related]

7.31.2.121 int ppl_Grid_simplify_using_context_assign (ppl_Grid_t *x*, ppl_const_Grid_t *y*) [related]

7.31.2.122 int ppl_Grid_constrains (ppl_Grid_t *ph*, ppl_dimension_type *var*) [related]

7.31.2.123 int ppl_Grid_unconstrain_space_dimension (ppl_Grid_t *ph*, ppl_dimension_type *var*) [related]

7.31.2.124 int ppl_Grid_unconstrain_space_dimensions (ppl_Grid_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.31.2.125 int ppl_Grid_affine_image (ppl_Grid_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.31.2.126 int ppl_Grid_affine_preimage (ppl_Grid_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.31.2.127 int ppl_Grid_bounded_affine_image (ppl_Grid_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.31.2.128 int ppl_Grid_bounded_affine_preimage (ppl_Grid_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.31.2.129 int ppl_Grid_generalized_affine_image (ppl_Grid_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.31.2.130 int ppl_Grid_generalized_affine_preimage (ppl_Grid_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.31.2.131 int ppl_Grid_generalized_affine_image_lhs_rhs (ppl_Grid_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.31.2.132 int ppl_Grid_generalized_affine_preimage_lhs_rhs (ppl_Grid_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.31.2.133 int ppl_Grid_generalized_affine_image_with_congruence (ppl_Grid_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*, ppl_const_Coefficient_t *m*) [related]

7.31.2.134 int ppl_Grid_generalized_affine_preimage_with_congruence (ppl_Grid_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*, ppl_const_Coefficient_t *m*) [related]

7.31.2.135 int ppl_Grid_generalized_affine_image_lhs_rhs_with_congruence (ppl_Grid_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*, ppl_const_Coefficient_t *m*) [related]

7.31.2.136 int ppl_Grid_generalized_affine_preimage_lhs_rhs_with_congruence (ppl_Grid_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*, ppl_const_Coefficient_t *m*) [related]

7.31.2.137 int ppl_Grid_add_space_dimensions_and_embed (ppl_Grid_t *ph*, ppl_dimension_type *d*) [related]

7.31.2.138 int ppl_Grid_add_space_dimensions_and_project (ppl_Grid_t *ph*, ppl_dimension_type *d*) [related]

7.31.2.139 int ppl_Grid_remove_space_dimensions (ppl_Grid_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.31.2.140 int ppl_Grid_remove_higher_space_dimensions (ppl_Grid_t *ph*, ppl_dimension_type *d*) [related]

7.31.2.141 int ppl_Grid_expand_space_dimension (ppl_Grid_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.31.2.142 int ppl_Grid_fold_space_dimensions (ppl_Grid_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.31.2.143 int ppl_Grid_map_space_dimensions (ppl_Grid_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.31.2.144 int ppl_Grid_drop_some_non_integer_points (ppl_Grid_t *ph*, int *complexity*) [related]

7.31.2.145 int ppl_Grid_drop_some_non_integer_points_2 (ppl_Grid_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.31.2.146 int ppl_Grid_external_memory_in_bytes (ppl_const_Grid_t *ps*, size_t * *sz*) [related]

7.31.2.147 int ppl_Grid_total_memory_in_bytes (ppl_const_Grid_t *ps*, size_t * *sz*) [related]

7.31.2.148 int ppl_Grid_congruence_widening_assign_with_tokens (ppl_Grid_t *x*, ppl_const_Grid_t *y*, unsigned * *tp*) [related]

7.31.2.149 int ppl_Grid_generator_widening_assign_with_tokens (ppl_Grid_t *x*, ppl_const_Grid_t *y*, unsigned * *tp*) [related]

7.31.2.150 int ppl_Grid_congruence_widening_assign (ppl_Grid_t *x*, ppl_const_Grid_t *y*) [related]

7.31.2.151 int ppl_Grid_generator_widening_assign (ppl_Grid_t *x*, ppl_const_Grid_t *y*) [related]

7.31.2.152 int ppl_Grid_widening_assign_with_tokens (ppl_Grid_t *x*, ppl_const_Grid_t *y*, unsigned * *tp*) [related]

7.31.2.153 int ppl_Grid_widening_assign (ppl_Grid_t *x*, ppl_const_Grid_t *y*) [related]

7.31.2.154 int ppl_Grid_limited_congruence_extrapolation_assign_with_tokens (ppl_Grid_t *x*, ppl_const_Grid_t *y*, ppl_const_Congruence_System_t *cs*, unsigned * *tp*) [related]

7.31.2.155 int ppl_Grid_limited_generator_extrapolation_assign_with_tokens (ppl_Grid_t *x*, ppl_const_Grid_t *y*, ppl_const_Congruence_System_t *cs*, unsigned * *tp*) [related]

7.31.2.156 int ppl_Grid_limited_congruence_extrapolation_assign (ppl_Grid_t *x*, ppl_const_Grid_t *y*, ppl_const_Congruence_System_t *cs*) [related]

7.31.2.157 int ppl_Grid_limited_generator_extrapolation_assign (ppl_Grid_t *x*, ppl_const_Grid_t *y*, ppl_const_Congruence_System_t *cs*) [related]

7.31.2.158 int ppl_Grid_approximate_partition (ppl_const_Grid_t *x*, ppl_const_Grid_t *y*, ppl_Grid_t * *p_inters*, ppl_Pointset_Powerset_Grid_t * *p_rest*, int * *p_finite*) [related]

7.31.2.159 int ppl_Grid_wrap_assign (ppl_Grid_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, enum ppl_enum_Bounded_Integer_Type_Width *w*, enum ppl_enum_Bounded_Integer_Type_Representation *r*, enum ppl_enum_Bounded_Integer_Type_Overflow *o*, const ppl_const_Constraint_System_t * *pcs*, unsigned *complexity_threshold*, int *wrap_individually*) [related]

7.31.2.160 int ppl_new_Grid_recycle_Constraint_System (ppl_Grid_t * *pph*, ppl_Constraint_System_t *cs*) [related]

7.31.2.161 int ppl_new_Grid_recycle_Congruence_System (ppl_Grid_t * *pph*, ppl_Congruence_System_t *cs*) [related]

7.31.2.162 int ppl_new_Grid_recycle_Grid_Generator_System (ppl_Grid_t * *pph*, ppl_Grid_Generator_System_t *cs*) [related]

7.31.2.163 int ppl_assign_Grid_from_Grid (ppl_Grid_t *dst*, ppl_const_Grid_t *src*) [related]

7.31.2.164 int ppl_Grid_add_recycled_constraints (ppl_Grid_t *ph*, ppl_Constraint_System_t *cs*) [related]

7.31.2.165 int ppl_Grid_add_recycled_congruences (ppl_Grid_t *ph*, ppl_Congruence_System_t *cs*) [related]

7.31.2.166 int ppl_Grid_add_recycled_grid_generators (ppl_Grid_t *ph*, ppl_Grid_Generator_System_t *cs*) [related]

7.31.2.167 int ppl_termination_test_MS_Grid (ppl_const_Grid_t *pset*) [related]

7.31.2.168 int ppl_termination_test_PR_Grid (ppl_const_Grid_t *pset*) [related]

7.31.2.169 int ppl_one_affine_ranking_function_MS_Grid (ppl_const_Grid_t *pset*, ppl_Generator_t *point*) [related]

7.31.2.170 int ppl_one_affine_ranking_function_PR_Grid (ppl_const_Grid_t *pset*, ppl_Generator_t *point*) [related]

7.31.2.171 int ppl_all_affine_ranking_functions_MS_Grid (ppl_const_Grid_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.31.2.172 int ppl_all_affine_ranking_functions_PR_Grid (ppl_const_Grid_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.31.2.173 int ppl_termination_test_MS_Grid_2 (ppl_const_Grid_t *pset_before*, ppl_const_Grid_t *pset_after*) [related]

7.31.2.174 int ppl_termination_test_PR_Grid_2 (ppl_const_Grid_t *pset_before*, ppl_const_Grid_t *pset_after*) [related]

7.31.2.175 int ppl_one_affine_ranking_function_MS_Grid_2 (ppl_const_Grid_t *pset_before*, ppl_const_Grid_t *pset_after*, ppl_Generator_t *point*) [related]

7.31.2.176 int ppl_one_affine_ranking_function_PR_Grid_2 (ppl_const_Grid_t *pset_before*, ppl_const_Grid_t *pset_after*, ppl_Generator_t *point*) [related]

7.31.2.177 int ppl_all_affine_ranking_functions_MS_Grid_2 (ppl_const_Grid_t *pset_before*, ppl_const_Grid_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.31.2.178 int ppl_all_affine_ranking_functions_PR_Grid_2 (ppl_const_Grid_t *pset_before*, ppl_const_Grid_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.31.2.179 int ppl_io_print_Grid (ppl_const_Grid_t *x*) [related]

7.31.2.180 int ppl_io_fprint_Grid (FILE * *stream*, ppl_const_Grid_t *x*) [related]

7.31.2.181 int ppl_io_asprint_Grid (char ** *strp*, ppl_const_Grid_t *x*) [related]

7.31.2.182 int ppl_Grid_ascii_dump (ppl_const_Grid_t *x*, FILE * *stream*) [related]

7.31.2.183 int ppl_Grid_ascii_load (ppl_Grid_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.32 ppl_Int16_Box_tag Interface Reference

Types and functions for ppl_Int16_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Int16_Box (ppl_const_Int16_Box_t ph)
- int ppl_new_Int16_Box_from_space_dimension (ppl_Int16_Box_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Int16_Box_from_Int8_Box (ppl_Int16_Box_t *pph, ppl_const_Int8_Box_t ph)
- int ppl_new_Int16_Box_from_Int16_Box (ppl_Int16_Box_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_Int16_Box_from_Int32_Box (ppl_Int16_Box_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_Int16_Box_from_Int64_Box (ppl_Int16_Box_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_Int16_Box_from_Uint8_Box (ppl_Int16_Box_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_Int16_Box_from_Uint16_Box (ppl_Int16_Box_t *pph, ppl_const_Uint16_Box_t ph)
- int ppl_new_Int16_Box_from_Uint32_Box (ppl_Int16_Box_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_Int16_Box_from_Uint64_Box (ppl_Int16_Box_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_Int16_Box_from_Z_Box (ppl_Int16_Box_t *pph, ppl_const_Z_Box_t ph)
- int ppl_new_Int16_Box_from_Rational_Box (ppl_Int16_Box_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_Int16_Box_from_BD_Shape_int8_t (ppl_Int16_Box_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_Int16_Box_from_BD_Shape_int16_t (ppl_Int16_Box_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_Int16_Box_from_BD_Shape_int32_t (ppl_Int16_Box_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_Int16_Box_from_BD_Shape_int64_t (ppl_Int16_Box_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_Int16_Box_from_BD_Shape_mpz_class (ppl_Int16_Box_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_Int16_Box_from_BD_Shape_mpq_class (ppl_Int16_Box_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_Int16_Box_from_Octagonal_Shape_int8_t (ppl_Int16_Box_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_Int16_Box_from_Octagonal_Shape_int16_t (ppl_Int16_Box_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_Int16_Box_from_Octagonal_Shape_int32_t (ppl_Int16_Box_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_Int16_Box_from_Octagonal_Shape_int64_t (ppl_Int16_Box_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)

- int ppl_new_Int16_Box_from_Octagonal_Shape_mpz_class (ppl_Int16_Box_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_Int16_Box_from_Octagonal_Shape_mpq_class (ppl_Int16_Box_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_Int16_Box_from_C_Polyhedron (ppl_Int16_Box_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Int16_Box_from_NNC_Polyhedron (ppl_Int16_Box_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Int16_Box_from_Grid (ppl_Int16_Box_t *pph, ppl_const_Grid_t ph)
- int ppl_new_Int16_Box_from_Float_Box (ppl_Int16_Box_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_Int16_Box_from_BD_Shape_float (ppl_Int16_Box_t *pph, ppl_const_BD_Shape_float_t ph)
- int ppl_new_Int16_Box_from_Octagonal_Shape_float (ppl_Int16_Box_t *pph, ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_Int16_Box_from_Double_Box (ppl_Int16_Box_t *pph, ppl_const_Double_Box_t ph)
- int ppl_new_Int16_Box_from_BD_Shape_double (ppl_Int16_Box_t *pph, ppl_const_BD_Shape_double_t ph)
- int ppl_new_Int16_Box_from_Octagonal_Shape_double (ppl_Int16_Box_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_Int16_Box_from_Long_Double_Box (ppl_Int16_Box_t *pph, ppl_const_Long_Double_Box_t ph)
- int ppl_new_Int16_Box_from_BD_Shape_long_double (ppl_Int16_Box_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_Int16_Box_from_Octagonal_Shape_long_double (ppl_Int16_Box_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_Int16_Box_from_Int8_Box_with_complexity (ppl_Int16_Box_t *pph, ppl_const_Int8_Box_t ph, int complexity)
- int ppl_new_Int16_Box_from_Int16_Box_with_complexity (ppl_Int16_Box_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_Int16_Box_from_Int32_Box_with_complexity (ppl_Int16_Box_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_Int16_Box_from_Int64_Box_with_complexity (ppl_Int16_Box_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_Int16_Box_from_Uint8_Box_with_complexity (ppl_Int16_Box_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_Int16_Box_from_Uint16_Box_with_complexity (ppl_Int16_Box_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_Int16_Box_from_Uint32_Box_with_complexity (ppl_Int16_Box_t *pph, ppl_const_Uint32_Box_t ph, int complexity)
- int ppl_new_Int16_Box_from_Uint64_Box_with_complexity (ppl_Int16_Box_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_Int16_Box_from_Z_Box_with_complexity (ppl_Int16_Box_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_Int16_Box_from_Rational_Box_with_complexity (ppl_Int16_Box_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_Int16_Box_from_BD_Shape_int8_t_with_complexity (ppl_Int16_Box_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)
- int ppl_new_Int16_Box_from_BD_Shape_int16_t_with_complexity (ppl_Int16_Box_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_Int16_Box_from_BD_Shape_int32_t_with_complexity (ppl_Int16_Box_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_Int16_Box_from_BD_Shape_int64_t_with_complexity (ppl_Int16_Box_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)

- int ppl_new_Int16_Box_from_BD_Shape_mpz_class_with_complexity (ppl_Int16_Box_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Int16_Box_from_BD_Shape_mpq_class_with_complexity (ppl_Int16_Box_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Int16_Box_from_Octagonal_Shape_int8_t_with_complexity (ppl_Int16_Box_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_Int16_Box_from_Octagonal_Shape_int16_t_with_complexity (ppl_Int16_Box_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_Int16_Box_from_Octagonal_Shape_int32_t_with_complexity (ppl_Int16_Box_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_Int16_Box_from_Octagonal_Shape_int64_t_with_complexity (ppl_Int16_Box_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_new_Int16_Box_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Int16_Box_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Int16_Box_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Int16_Box_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Int16_Box_from_C_Polyhedron_with_complexity (ppl_Int16_Box_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Int16_Box_from_NNC_Polyhedron_with_complexity (ppl_Int16_Box_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Int16_Box_from_Grid_with_complexity (ppl_Int16_Box_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_Int16_Box_from_Float_Box_with_complexity (ppl_Int16_Box_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_Int16_Box_from_BD_Shape_float_with_complexity (ppl_Int16_Box_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)
- int ppl_new_Int16_Box_from_Octagonal_Shape_float_with_complexity (ppl_Int16_Box_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_Int16_Box_from_Double_Box_with_complexity (ppl_Int16_Box_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_Int16_Box_from_BD_Shape_double_with_complexity (ppl_Int16_Box_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_Int16_Box_from_Octagonal_Shape_double_with_complexity (ppl_Int16_Box_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_Int16_Box_from_Long_Double_Box_with_complexity (ppl_Int16_Box_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_Int16_Box_from_BD_Shape_long_double_with_complexity (ppl_Int16_Box_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_Int16_Box_from_Octagonal_Shape_long_double_with_complexity (ppl_Int16_Box_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_Int16_Box_from_Constraint_System (ppl_Int16_Box_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Int16_Box_from_Congruence_System (ppl_Int16_Box_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_new_Int16_Box_from_Generator_System (ppl_Int16_Box_t *pph, ppl_const_Generator_System_t cs)
- int ppl_Int16_Box_space_dimension (ppl_const_Int16_Box_t ph, ppl_dimension_type *m)
- int ppl_Int16_Box_affine_dimension (ppl_const_Int16_Box_t ph, ppl_dimension_type *m)
- int ppl_Int16_Box_relation_with_Constraint (ppl_const_Int16_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Int16_Box_relation_with_Generator (ppl_const_Int16_Box_t ph, ppl_const_Generator_t c)
- int ppl_Int16_Box_relation_with_Congruence (ppl_const_Int16_Box_t ph, ppl_const_Congruence_t c)

- int ppl_Int16_Box_get_constraints (ppl_const_Int16_Box_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Int16_Box_get_congruences (ppl_const_Int16_Box_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Int16_Box_get_minimized_constraints (ppl_const_Int16_Box_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Int16_Box_get_minimized_congruences (ppl_const_Int16_Box_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Int16_Box_is_empty (ppl_const_Int16_Box_t ph)
- int ppl_Int16_Box_is_universe (ppl_const_Int16_Box_t ph)
- int ppl_Int16_Box_is_bounded (ppl_const_Int16_Box_t ph)
- int ppl_Int16_Box_contains_integer_point (ppl_const_Int16_Box_t ph)
- int ppl_Int16_Box_is_topologically_closed (ppl_const_Int16_Box_t ph)
- int ppl_Int16_Box_is_discrete (ppl_const_Int16_Box_t ph)
- int ppl_Int16_Box_topological_closure_assign (ppl_Int16_Box_t ph)
- int ppl_Int16_Box_bounds_from_above (ppl_const_Int16_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Int16_Box_bounds_from_below (ppl_const_Int16_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Int16_Box_maximize (ppl_const_Int16_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Int16_Box_minimize (ppl_const_Int16_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Int16_Box_maximize_with_point (ppl_const_Int16_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Int16_Box_minimize_with_point (ppl_const_Int16_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Int16_Box_frequency (ppl_const_Int16_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_fn, ppl_Coefficient_t ext_fd, ppl_Coefficient_t ext_vn, ppl_Coefficient_t ext_vd)
- int ppl_Int16_Box_contains_Int16_Box (ppl_const_Int16_Box_t x, ppl_const_Int16_Box_t y)
- int ppl_Int16_Box_strictly_contains_Int16_Box (ppl_const_Int16_Box_t x, ppl_const_Int16_Box_t y)
- int ppl_Int16_Box_is_disjoint_from_Int16_Box (ppl_const_Int16_Box_t x, ppl_const_Int16_Box_t y)
- int ppl_Int16_Box_equals_Int16_Box (ppl_const_Int16_Box_t x, ppl_const_Int16_Box_t y)
- int ppl_Int16_Box_OK (ppl_const_Int16_Box_t ph)
- int ppl_Int16_Box_add_constraint (ppl_Int16_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Int16_Box_add_congruence (ppl_Int16_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Int16_Box_add_constraints (ppl_Int16_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Int16_Box_add_congruences (ppl_Int16_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Int16_Box_refine_with_constraint (ppl_Int16_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Int16_Box_refine_with_congruence (ppl_Int16_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Int16_Box_refine_with_constraints (ppl_Int16_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Int16_Box_refine_with_congruences (ppl_Int16_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Int16_Box_intersection_assign (ppl_Int16_Box_t x, ppl_const_Int16_Box_t y)
- int ppl_Int16_Box_upper_bound_assign (ppl_Int16_Box_t x, ppl_const_Int16_Box_t y)
- int ppl_Int16_Box_difference_assign (ppl_Int16_Box_t x, ppl_const_Int16_Box_t y)

- int ppl_Int16_Box_concatenate_assign (ppl_Int16_Box_t x, ppl_const_Int16_Box_t y)
- int ppl_Int16_Box_time_elapse_assign (ppl_Int16_Box_t x, ppl_const_Int16_Box_t y)
- int ppl_Int16_Box_upper_bound_assign_if_exact (ppl_Int16_Box_t x, ppl_const_Int16_Box_t y)
- int ppl_Int16_Box_simplify_using_context_assign (ppl_Int16_Box_t x, ppl_const_Int16_Box_t y)
- int ppl_Int16_Box_constrains (ppl_Int16_Box_t ph, ppl_dimension_type var)
- int ppl_Int16_Box_unconstrain_space_dimension (ppl_Int16_Box_t ph, ppl_dimension_type var)
- int ppl_Int16_Box_unconstrain_space_dimensions (ppl_Int16_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Int16_Box_affine_image (ppl_Int16_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Int16_Box_affine_preimage (ppl_Int16_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Int16_Box_bounded_affine_image (ppl_Int16_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Int16_Box_bounded_affine_preimage (ppl_Int16_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Int16_Box_generalized_affine_image (ppl_Int16_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Int16_Box_generalized_affine_preimage (ppl_Int16_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Int16_Box_generalized_affine_image_lhs_rhs (ppl_Int16_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Int16_Box_generalized_affine_preimage_lhs_rhs (ppl_Int16_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Int16_Box_add_space_dimensions_and_embed (ppl_Int16_Box_t ph, ppl_dimension_type d)
- int ppl_Int16_Box_add_space_dimensions_and_project (ppl_Int16_Box_t ph, ppl_dimension_type d)
- int ppl_Int16_Box_remove_space_dimensions (ppl_Int16_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Int16_Box_remove_higher_space_dimensions (ppl_Int16_Box_t ph, ppl_dimension_type d)
- int ppl_Int16_Box_expand_space_dimension (ppl_Int16_Box_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Int16_Box_fold_space_dimensions (ppl_Int16_Box_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Int16_Box_map_space_dimensions (ppl_Int16_Box_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Int16_Box_drop_some_non_integer_points (ppl_Int16_Box_t ph, int complexity)
- int ppl_Int16_Box_drop_some_non_integer_points_2 (ppl_Int16_Box_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Int16_Box_external_memory_in_bytes (ppl_const_Int16_Box_t ps, size_t *sz)
- int ppl_Int16_Box_total_memory_in_bytes (ppl_const_Int16_Box_t ps, size_t *sz)
- int ppl_Int16_Box_CC76_widening_assign_with_tokens (ppl_Int16_Box_t x, ppl_const_Int16_Box_t y, unsigned *tp)
- int ppl_Int16_Box_CC76_widening_assign (ppl_Int16_Box_t x, ppl_const_Int16_Box_t y)
- int ppl_Int16_Box_widening_assign_with_tokens (ppl_Int16_Box_t x, ppl_const_Int16_Box_t y, unsigned *tp)
- int ppl_Int16_Box_widening_assign (ppl_Int16_Box_t x, ppl_const_Int16_Box_t y)
- int ppl_Int16_Box_limited_CC76_extrapolation_assign_with_tokens (ppl_Int16_Box_t x, ppl_const_Int16_Box_t y, ppl_const_Constraint_System_t cs, unsigned *tp)

- int ppl_Int16_Box_limited_CC76_extrapolation_assign (ppl_Int16_Box_t x, ppl_const_Int16_Box_t y, ppl_const_Constraint_System_t cs)
- int ppl_Int16_Box_linear_partition (ppl_const_Int16_Box_t x, ppl_const_Int16_Box_t y, ppl_Int16_Box_t *p_inters, ppl_Pointset_Powerset_NNC_Polyhedron_t *p_rest)
- int ppl_Int16_Box_wrap_assign (ppl_Int16_Box_t ph, ppl_dimension_type ds[ ], size_t n, enum ppl_enum_Bounded_Integer_Type_Width w, enum ppl_enum_Bounded_Integer_Type_Representation r, enum ppl_enum_Bounded_Integer_Type_Overflow o, const ppl_const_Constraint_System_t *pcs, unsigned complexity_threshold, int wrap_individually)
- int ppl_new_Int16_Box_recycle_Constraint_System (ppl_Int16_Box_t *pph, ppl_Constraint_System_t cs)
- int ppl_new_Int16_Box_recycle_Congruence_System (ppl_Int16_Box_t *pph, ppl_Congruence_System_t cs)
- int ppl_new_Int16_Box_recycle_Generator_System (ppl_Int16_Box_t *pph, ppl_Generator_System_t cs)
- int ppl_assign_Int16_Box_from_Int16_Box (ppl_Int16_Box_t dst, ppl_const_Int16_Box_t src)
- int ppl_Int16_Box_add_recycled_constraints (ppl_Int16_Box_t ph, ppl_Constraint_System_t cs)
- int ppl_Int16_Box_add_recycled_congruences (ppl_Int16_Box_t ph, ppl_Congruence_System_t cs)
- int ppl_termination_test_MS_Int16_Box (ppl_const_Int16_Box_t pset)
- int ppl_termination_test_PR_Int16_Box (ppl_const_Int16_Box_t pset)
- int ppl_one_affine_ranking_function_MS_Int16_Box (ppl_const_Int16_Box_t pset, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Int16_Box (ppl_const_Int16_Box_t pset, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Int16_Box (ppl_const_Int16_Box_t pset, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Int16_Box (ppl_const_Int16_Box_t pset, ppl_Polyhedron_t ph)
- int ppl_termination_test_MS_Int16_Box_2 (ppl_const_Int16_Box_t pset_before, ppl_const_Int16_Box_t pset_after)
- int ppl_termination_test_PR_Int16_Box_2 (ppl_const_Int16_Box_t pset_before, ppl_const_Int16_Box_t pset_after)
- int ppl_one_affine_ranking_function_MS_Int16_Box_2 (ppl_const_Int16_Box_t pset_before, ppl_const_Int16_Box_t pset_after, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Int16_Box_2 (ppl_const_Int16_Box_t pset_before, ppl_const_Int16_Box_t pset_after, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Int16_Box_2 (ppl_const_Int16_Box_t pset_before, ppl_const_Int16_Box_t pset_after, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Int16_Box_2 (ppl_const_Int16_Box_t pset_before, ppl_const_Int16_Box_t pset_after, ppl_Polyhedron_t ph)
- int ppl_io_print_Int16_Box (ppl_const_Int16_Box_t x)
- int ppl_io_fprint_Int16_Box (FILE *stream, ppl_const_Int16_Box_t x)
- int ppl_io_asprint_Int16_Box (char **strp, ppl_const_Int16_Box_t x)
- int ppl_Int16_Box_ascii_dump (ppl_const_Int16_Box_t x, FILE *stream)
- int ppl_Int16_Box_ascii_load (ppl_Int16_Box_t x, FILE *stream)

7.32.1 Detailed Description

Types and functions for ppl_Int16_Box_tag.

7.32.2 Friends And Related Function Documentation

7.32.2.1 int ppl_delete_Int16_Box (ppl_const_Int16_Box_t *ph*) [related]

7.32.2.2 int ppl_new_Int16_Box_from_space_dimension (ppl_Int16_Box_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.32.2.3 int ppl_new_Int16_Box_from_Int8_Box (ppl_Int16_Box_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.32.2.4 int ppl_new_Int16_Box_from_Int16_Box (ppl_Int16_Box_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.32.2.5 int ppl_new_Int16_Box_from_Int32_Box (ppl_Int16_Box_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.32.2.6 int ppl_new_Int16_Box_from_Int64_Box (ppl_Int16_Box_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.32.2.7 int ppl_new_Int16_Box_from_Uint8_Box (ppl_Int16_Box_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.32.2.8 int ppl_new_Int16_Box_from_Uint16_Box (ppl_Int16_Box_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.32.2.9 int ppl_new_Int16_Box_from_Uint32_Box (ppl_Int16_Box_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.32.2.10 int ppl_new_Int16_Box_from_Uint64_Box (ppl_Int16_Box_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.32.2.11 int ppl_new_Int16_Box_from_Z_Box (ppl_Int16_Box_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.32.2.12 int ppl_new_Int16_Box_from_Rational_Box (ppl_Int16_Box_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.32.2.13 int ppl_new_Int16_Box_from_BD_Shape_int8_t (ppl_Int16_Box_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.32.2.14 int ppl_new_Int16_Box_from_BD_Shape_int16_t (ppl_Int16_Box_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.32.2.15 int ppl_new_Int16_Box_from_BD_Shape_int32_t (ppl_Int16_Box_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.32.2.16 int ppl_new_Int16_Box_from_BD_Shape_int64_t (ppl_Int16_Box_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.32.2.17 int ppl_new_Int16_Box_from_BD_Shape_mpz_class (ppl_Int16_Box_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.32.2.18 int ppl_new_Int16_Box_from_BD_Shape_mpq_class (ppl_Int16_Box_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.32.2.19 int ppl_new_Int16_Box_from_Octagonal_Shape_int8_t (ppl_Int16_Box_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.32.2.20 int ppl_new_Int16_Box_from_Octagonal_Shape_int16_t (ppl_Int16_Box_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.32.2.21 int ppl_new_Int16_Box_from_Octagonal_Shape_int32_t (ppl_Int16_Box_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.32.2.22 int ppl_new_Int16_Box_from_Octagonal_Shape_int64_t (ppl_Int16_Box_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.32.2.23 int ppl_new_Int16_Box_from_Octagonal_Shape_mpz_class (ppl_Int16_Box_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.32.2.24 int ppl_new_Int16_Box_from_Octagonal_Shape_mpq_class (ppl_Int16_Box_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.32.2.25 int ppl_new_Int16_Box_from_C_Polyhedron (ppl_Int16_Box_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.32.2.26 int ppl_new_Int16_Box_from_NNC_Polyhedron (ppl_Int16_Box_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.32.2.27 int ppl_new_Int16_Box_from_Grid (ppl_Int16_Box_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.32.2.28 int ppl_new_Int16_Box_from_Float_Box (ppl_Int16_Box_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.32.2.29 int ppl_new_Int16_Box_from_BD_Shape_float (ppl_Int16_Box_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.32.2.30 int ppl_new_Int16_Box_from_Octagonal_Shape_float (ppl_Int16_Box_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.32.2.31 int ppl_new_Int16_Box_from_Double_Box (ppl_Int16_Box_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.32.2.32 int ppl_new_Int16_Box_from_BD_Shape_double (ppl_Int16_Box_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.32.2.33 int ppl_new_Int16_Box_from_Octagonal_Shape_double (ppl_Int16_Box_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.32.2.34 int ppl_new_Int16_Box_from_Long_Double_Box (ppl_Int16_Box_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.32.2.35 int ppl_new_Int16_Box_from_BD_Shape_long_double (ppl_Int16_Box_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.32.2.36 int ppl_new_Int16_Box_from_Octagonal_Shape_long_double (ppl_Int16_Box_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.32.2.37 int ppl_new_Int16_Box_from_Int8_Box_with_complexity (ppl_Int16_Box_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.32.2.38 int ppl_new_Int16_Box_from_Int16_Box_with_complexity (ppl_Int16_Box_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.32.2.39 int ppl_new_Int16_Box_from_Int32_Box_with_complexity (ppl_Int16_Box_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.32.2.40 int ppl_new_Int16_Box_from_Int64_Box_with_complexity (ppl_Int16_Box_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.32.2.41 int ppl_new_Int16_Box_from_Uint8_Box_with_complexity (ppl_Int16_Box_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.32.2.42 int ppl_new_Int16_Box_from_Uint16_Box_with_complexity (ppl_Int16_Box_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.32.2.43 int ppl_new_Int16_Box_from_Uint32_Box_with_complexity (ppl_Int16_Box_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.32.2.44 int ppl_new_Int16_Box_from_Uint64_Box_with_complexity (ppl_Int16_Box_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.32.2.45 int ppl_new_Int16_Box_from_Z_Box_with_complexity (ppl_Int16_Box_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.32.2.46 int ppl_new_Int16_Box_from_Rational_Box_with_complexity (ppl_Int16_Box_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.32.2.47 int ppl_new_Int16_Box_from_BD_Shape_int8_t_with_complexity (ppl_Int16_Box_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.32.2.48 int ppl_new_Int16_Box_from_BD_Shape_int16_t_with_complexity (ppl_Int16_Box_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.32.2.49 int ppl_new_Int16_Box_from_BD_Shape_int32_t_with_complexity (ppl_Int16_Box_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.32.2.50 int ppl_new_Int16_Box_from_BD_Shape_int64_t_with_complexity (ppl_Int16_Box_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.32.2.51 int ppl_new_Int16_Box_from_BD_Shape_mpz_class_with_complexity (ppl_Int16_Box_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.32.2.52 int ppl_new_Int16_Box_from_BD_Shape_mpq_class_with_complexity (ppl_Int16_Box_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.32.2.53 int ppl_new_Int16_Box_from_Octagonal_Shape_int8_t_with_complexity (ppl_Int16_Box_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.32.2.54 int ppl_new_Int16_Box_from_Octagonal_Shape_int16_t_with_complexity (ppl_Int16_Box_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.32.2.55 int ppl_new_Int16_Box_from_Octagonal_Shape_int32_t_with_complexity (ppl_Int16_Box_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.32.2.56 int ppl_new_Int16_Box_from_Octagonal_Shape_int64_t_with_complexity (ppl_Int16_Box_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.32.2.57 int ppl_new_Int16_Box_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Int16_Box_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.32.2.58 int ppl_new_Int16_Box_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Int16_Box_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.32.2.59 int ppl_new_Int16_Box_from_C_Polyhedron_with_complexity (ppl_Int16_Box_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.32.2.60 int ppl_new_Int16_Box_from_NNC_Polyhedron_with_complexity (ppl_Int16_Box_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.32.2.61 int ppl_new_Int16_Box_from_Grid_with_complexity (ppl_Int16_Box_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.32.2.62 int ppl_new_Int16_Box_from_Float_Box_with_complexity (ppl_Int16_Box_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.32.2.63 int ppl_new_Int16_Box_from_BD_Shape_float_with_complexity (ppl_Int16_Box_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.32.2.64 int ppl_new_Int16_Box_from_Octagonal_Shape_float_with_complexity (ppl_Int16_Box_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.32.2.65 int ppl_new_Int16_Box_from_Double_Box_with_complexity (ppl_Int16_Box_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.32.2.66 int ppl_new_Int16_Box_from_BD_Shape_double_with_complexity (ppl_Int16_Box_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.32.2.67 int ppl_new_Int16_Box_from_Octagonal_Shape_double_with_complexity (ppl_Int16_Box_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.32.2.68 int ppl_new_Int16_Box_from_Long_Double_Box_with_complexity (ppl_Int16_Box_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.32.2.69 int ppl_new_Int16_Box_from_BD_Shape_long_double_with_complexity (ppl_Int16_Box_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.32.2.70 int ppl_new_Int16_Box_from_Octagonal_Shape_long_double_with_complexity (ppl_Int16_Box_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.32.2.71 int ppl_new_Int16_Box_from_Constraint_System (ppl_Int16_Box_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.32.2.72 int ppl_new_Int16_Box_from_Congruence_System (ppl_Int16_Box_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.32.2.73 int ppl_new_Int16_Box_from_Generator_System (ppl_Int16_Box_t * *pph*, ppl_const_Generator_System_t *cs*) [related]

7.32.2.74 int ppl_Int16_Box_space_dimension (ppl_const_Int16_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.32.2.75 int ppl_Int16_Box_affine_dimension (ppl_const_Int16_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.32.2.76 int ppl_Int16_Box_relation_with_Constraint (ppl_const_Int16_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.32.2.77 int ppl_Int16_Box_relation_with_Generator (ppl_const_Int16_Box_t *ph*, ppl_const_Generator_t *c*) [related]

7.32.2.78 int ppl_Int16_Box_relation_with_Congruence (ppl_const_Int16_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.32.2.79 int ppl_Int16_Box_get_constraints (ppl_const_Int16_Box_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.32.2.80 int ppl_Int16_Box_get_congruences (ppl_const_Int16_Box_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.32.2.81 int ppl_Int16_Box_get_minimized_constraints (ppl_const_Int16_Box_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.32.2.82 int ppl_Int16_Box_get_minimized_congruences (ppl_const_Int16_Box_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.32.2.83 int ppl_Int16_Box_is_empty (ppl_const_Int16_Box_t *ph*) [related]

7.32.2.84 int ppl_Int16_Box_is_universe (ppl_const_Int16_Box_t *ph*) [related]

7.32.2.85 int ppl_Int16_Box_is_bounded (ppl_const_Int16_Box_t *ph*) [related]

7.32.2.86 int ppl_Int16_Box_contains_integer_point (ppl_const_Int16_Box_t *ph*) [related]

7.32.2.87 int ppl_Int16_Box_is_topologically_closed (ppl_const_Int16_Box_t *ph*) [related]

7.32.2.88 int ppl_Int16_Box_is_discrete (ppl_const_Int16_Box_t *ph*) [related]

7.32.2.89 int ppl_Int16_Box_topological_closure_assign (ppl_Int16_Box_t *ph*) [related]

7.32.2.90 int ppl_Int16_Box_bounds_from_above (ppl_const_Int16_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.32.2.91 int ppl_Int16_Box_bounds_from_below (ppl_const_Int16_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.32.2.92 int ppl_Int16_Box_maximize (ppl_const_Int16_Box_t *ph*, ppl_const_Linear_-Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.32.2.93 int ppl_Int16_Box_minimize (ppl_const_Int16_Box_t *ph*, ppl_const_Linear_-Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.32.2.94 int ppl_Int16_Box_maximize_with_point (ppl_const_Int16_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.32.2.95 int ppl_Int16_Box_minimize_with_point (ppl_const_Int16_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.32.2.96 int ppl_Int16_Box_frequency (ppl_const_Int16_Box_t *ph*, ppl_const_Linear_-Expression_t *le*, ppl_Coefficient_t *ext_fn*, ppl_Coefficient_t *ext_fd*, ppl_Coefficient_t *ext_vn*, ppl_Coefficient_t *ext_vd*) [related]

7.32.2.97 int ppl_Int16_Box_contains_Int16_Box (ppl_const_Int16_Box_t *x*, ppl_const_Int16_Box_t *y*) [related]

7.32.2.98 int ppl_Int16_Box_strictly_contains_Int16_Box (ppl_const_Int16_Box_t *x*, ppl_const_Int16_Box_t *y*) [related]

7.32.2.99 int ppl_Int16_Box_is_disjoint_from_Int16_Box (ppl_const_Int16_Box_t *x*, ppl_const_Int16_Box_t *y*) [related]

7.32.2.100 int ppl_Int16_Box_equals_Int16_Box (ppl_const_Int16_Box_t *x*, ppl_const_Int16_Box_t *y*) [related]

7.32.2.101 int ppl_Int16_Box_OK (ppl_const_Int16_Box_t *ph*) [related]

7.32.2.102 int ppl_Int16_Box_add_constraint (ppl_Int16_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.32.2.103 int ppl_Int16_Box_add_congruence (ppl_Int16_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.32.2.104 int ppl_Int16_Box_add_constraints (ppl_Int16_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.32.2.105 int ppl_Int16_Box_add_congruences (ppl_Int16_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.32.2.106 int ppl_Int16_Box_refine_with_constraint (ppl_Int16_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.32.2.107 int ppl_Int16_Box_refine_with_congruence (ppl_Int16_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.32.2.108 int ppl_Int16_Box_refine_with_constraints (ppl_Int16_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.32.2.109 int ppl_Int16_Box_refine_with_congruences (ppl_Int16_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.32.2.110 int ppl_Int16_Box_intersection_assign (ppl_Int16_Box_t *x*, ppl_const_Int16_Box_t *y*) [related]

7.32.2.111 int ppl_Int16_Box_upper_bound_assign (ppl_Int16_Box_t *x*, ppl_const_Int16_Box_t *y*) [related]

7.32.2.112 int ppl_Int16_Box_difference_assign (ppl_Int16_Box_t *x*, ppl_const_Int16_Box_t *y*) [related]

7.32.2.113 int ppl_Int16_Box_concatenate_assign (ppl_Int16_Box_t *x*, ppl_const_Int16_Box_t *y*) [related]

7.32.2.114 int ppl_Int16_Box_time_elapse_assign (ppl_Int16_Box_t *x*, ppl_const_Int16_Box_t *y*) [related]

7.32.2.115 int ppl_Int16_Box_upper_bound_assign_if_exact (ppl_Int16_Box_t *x*, ppl_const_Int16_Box_t *y*) [related]

7.32.2.116 int ppl_Int16_Box_simplify_using_context_assign (ppl_Int16_Box_t *x*, ppl_const_Int16_Box_t *y*) [related]

7.32.2.117 int ppl_Int16_Box_constrains (ppl_Int16_Box_t *ph*, ppl_dimension_type *var*) [related]

7.32.2.118 int ppl_Int16_Box_unconstrain_space_dimension (ppl_Int16_Box_t *ph*, ppl_dimension_type *var*) [related]

7.32.2.119 int ppl_Int16_Box_unconstrain_space_dimensions (ppl_Int16_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.32.2.120 int ppl_Int16_Box_affine_image (ppl_Int16_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.32.2.121 int ppl_Int16_Box_affine_preimage (ppl_Int16_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.32.2.122 int ppl_Int16_Box_bounded_affine_image (ppl_Int16_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.32.2.123 int ppl_Int16_Box_bounded_affine_preimage (ppl_Int16_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.32.2.124 int ppl_Int16_Box_generalized_affine_image (ppl_Int16_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.32.2.125 int ppl_Int16_Box_generalized_affine_preimage (ppl_Int16_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.32.2.126 int ppl_Int16_Box_generalized_affine_image_lhs_rhs (ppl_Int16_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.32.2.127 int ppl_Int16_Box_generalized_affine_preimage_lhs_rhs (ppl_Int16_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.32.2.128 int ppl_Int16_Box_add_space_dimensions_and_embed (ppl_Int16_Box_t *ph*, ppl_dimension_type *d*) [related]

7.32.2.129 int ppl_Int16_Box_add_space_dimensions_and_project (ppl_Int16_Box_t *ph*, ppl_dimension_type *d*) [related]

7.32.2.130 int ppl_Int16_Box_remove_space_dimensions (ppl_Int16_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.32.2.131 int ppl_Int16_Box_remove_higher_space_dimensions (ppl_Int16_Box_t *ph*, ppl_dimension_type *d*) [related]

7.32.2.132 int ppl_Int16_Box_expand_space_dimension (ppl_Int16_Box_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.32.2.133 int ppl_Int16_Box_fold_space_dimensions (ppl_Int16_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.32.2.134 int ppl_Int16_Box_map_space_dimensions (ppl_Int16_Box_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.32.2.135 int ppl_Int16_Box_drop_some_non_integer_points (ppl_Int16_Box_t *ph*, int *complexity*) [related]

7.32.2.136 int ppl_Int16_Box_drop_some_non_integer_points_2 (ppl_Int16_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.32.2.137 int ppl_Int16_Box_external_memory_in_bytes (ppl_const_Int16_Box_t *ps*, size_t * *sz*) [related]

7.32.2.138 int ppl_Int16_Box_total_memory_in_bytes (ppl_const_Int16_Box_t *ps*, size_t * *sz*) [related]

7.32.2.139 int ppl_Int16_Box_CC76_widening_assign_with_tokens (ppl_Int16_Box_t *x*, ppl_const_Int16_Box_t *y*, unsigned * *tp*) [related]

7.32.2.140 int ppl_Int16_Box_CC76_widening_assign (ppl_Int16_Box_t *x*, ppl_const_Int16_Box_t *y*) [related]

7.32.2.141 int ppl_Int16_Box_widening_assign_with_tokens (ppl_Int16_Box_t *x*, ppl_const_Int16_Box_t *y*, unsigned * *tp*) [related]

7.32.2.142 int ppl_Int16_Box_widening_assign (ppl_Int16_Box_t *x*, ppl_const_Int16_Box_t *y*) [related]

7.32.2.143 int ppl_Int16_Box_limited_CC76_extrapolation_assign_with_tokens (ppl_Int16_Box_t *x*, ppl_const_Int16_Box_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.32.2.144 int ppl_Int16_Box_limited_CC76_extrapolation_assign (ppl_Int16_Box_t *x*, ppl_const_Int16_Box_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.32.2.145 **int ppl_Int16_Box_linear_partition (ppl_const_Int16_Box_t *x*, ppl_const_Int16_Box_t *y*, ppl_Int16_Box_t * *p_inters*, ppl_Pointset_Powerset_NNC_Polyhedron_t * *p_rest*) [related]**

7.32.2.146 **int ppl_Int16_Box_wrap_assign (ppl_Int16_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, enum ppl_enum_Bounded_Integer_Type_Width *w*, enum ppl_enum_Bounded_Integer_Type_Representation *r*, enum ppl_enum_Bounded_Integer_Type_Overflow *o*, const ppl_const_Constraint_System_t * *pcs*, unsigned *complexity_threshold*, int *wrap_individually*) [related]**

7.32.2.147 **int ppl_new_Int16_Box_recycle_Constraint_System (ppl_Int16_Box_t * *pph*, ppl_Constraint_System_t *cs*) [related]**

7.32.2.148 **int ppl_new_Int16_Box_recycle_Congruence_System (ppl_Int16_Box_t * *pph*, ppl_Congruence_System_t *cs*) [related]**

7.32.2.149 **int ppl_new_Int16_Box_recycle_Generator_System (ppl_Int16_Box_t * *pph*, ppl_Generator_System_t *cs*) [related]**

7.32.2.150 **int ppl_assign_Int16_Box_from_Int16_Box (ppl_Int16_Box_t *dst*, ppl_const_Int16_Box_t *src*) [related]**

7.32.2.151 **int ppl_Int16_Box_add_recycled_constraints (ppl_Int16_Box_t *ph*, ppl_Constraint_System_t *cs*) [related]**

7.32.2.152 **int ppl_Int16_Box_add_recycled_congruences (ppl_Int16_Box_t *ph*, ppl_Congruence_System_t *cs*) [related]**

7.32.2.153 **int ppl_termination_test_MS_Int16_Box (ppl_const_Int16_Box_t *pset*) [related]**

7.32.2.154 int ppl_termination_test_PR_Int16_Box (ppl_const_Int16_Box_t *pset*) [related]

7.32.2.155 int ppl_one_affine_ranking_function_MS_Int16_Box (ppl_const_Int16_Box_t *pset*, ppl_Generator_t *point*) [related]

7.32.2.156 int ppl_one_affine_ranking_function_PR_Int16_Box (ppl_const_Int16_Box_t *pset*, ppl_Generator_t *point*) [related]

7.32.2.157 int ppl_all_affine_ranking_functions_MS_Int16_Box (ppl_const_Int16_Box_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.32.2.158 int ppl_all_affine_ranking_functions_PR_Int16_Box (ppl_const_Int16_Box_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.32.2.159 int ppl_termination_test_MS_Int16_Box_2 (ppl_const_Int16_Box_t *pset_before*, ppl_const_Int16_Box_t *pset_after*) [related]

7.32.2.160 int ppl_termination_test_PR_Int16_Box_2 (ppl_const_Int16_Box_t *pset_before*, ppl_const_Int16_Box_t *pset_after*) [related]

7.32.2.161 int ppl_one_affine_ranking_function_MS_Int16_Box_2 (ppl_const_Int16_Box_t *pset_before*, ppl_const_Int16_Box_t *pset_after*, ppl_Generator_t *point*) [related]

7.32.2.162 int ppl_one_affine_ranking_function_PR_Int16_Box_2 (ppl_const_Int16_Box_t *pset_before*, ppl_const_Int16_Box_t *pset_after*, ppl_Generator_t *point*) [related]

7.32.2.163 int ppl_all_affine_ranking_functions_MS_Int16_Box_2 (ppl_const_Int16_Box_t *pset_before*, ppl_const_Int16_Box_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.32.2.164 int ppl_all_affine_ranking_functions_PR_Int16_Box_2 (ppl_const_Int16_Box_t *pset_before*, ppl_const_Int16_Box_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.32.2.165 int ppl_io_print_Int16_Box (ppl_const_Int16_Box_t *x*) [related]

7.32.2.166 int ppl_io_fprint_Int16_Box (FILE * *stream*, ppl_const_Int16_Box_t *x*) [related]

7.32.2.167 int ppl_io_asprint_Int16_Box (char ** *strp*, ppl_const_Int16_Box_t *x*) [related]

7.32.2.168 int ppl_Int16_Box_ascii_dump (ppl_const_Int16_Box_t *x*, FILE * *stream*) [related]

7.32.2.169 int ppl_Int16_Box_ascii_load (ppl_Int16_Box_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.33 ppl_Int32_Box_tag Interface Reference

Types and functions for ppl_Int32_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Int32_Box (ppl_const_Int32_Box_t ph)
- int ppl_new_Int32_Box_from_space_dimension (ppl_Int32_Box_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Int32_Box_from_Int8_Box (ppl_Int32_Box_t *pph, ppl_const_Int8_Box_t ph)
- int ppl_new_Int32_Box_from_Int16_Box (ppl_Int32_Box_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_Int32_Box_from_Int32_Box (ppl_Int32_Box_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_Int32_Box_from_Int64_Box (ppl_Int32_Box_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_Int32_Box_from_Uint8_Box (ppl_Int32_Box_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_Int32_Box_from_Uint16_Box (ppl_Int32_Box_t *pph, ppl_const_Uint16_Box_t ph)

- int ppl_new_Int32_Box_from_Uint32_Box (ppl_Int32_Box_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_Int32_Box_from_Uint64_Box (ppl_Int32_Box_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_Int32_Box_from_Z_Box (ppl_Int32_Box_t *pph, ppl_const_Z_Box_t ph)
- int ppl_new_Int32_Box_from_Rational_Box (ppl_Int32_Box_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_Int32_Box_from_BD_Shape_int8_t (ppl_Int32_Box_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_Int32_Box_from_BD_Shape_int16_t (ppl_Int32_Box_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_Int32_Box_from_BD_Shape_int32_t (ppl_Int32_Box_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_Int32_Box_from_BD_Shape_int64_t (ppl_Int32_Box_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_Int32_Box_from_BD_Shape_mpz_class (ppl_Int32_Box_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_Int32_Box_from_BD_Shape_mpq_class (ppl_Int32_Box_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_Int32_Box_from_Octagonal_Shape_int8_t (ppl_Int32_Box_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_Int32_Box_from_Octagonal_Shape_int16_t (ppl_Int32_Box_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_Int32_Box_from_Octagonal_Shape_int32_t (ppl_Int32_Box_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_Int32_Box_from_Octagonal_Shape_int64_t (ppl_Int32_Box_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_Int32_Box_from_Octagonal_Shape_mpz_class (ppl_Int32_Box_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_Int32_Box_from_Octagonal_Shape_mpq_class (ppl_Int32_Box_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_Int32_Box_from_C_Polyhedron (ppl_Int32_Box_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Int32_Box_from_NNC_Polyhedron (ppl_Int32_Box_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Int32_Box_from_Grid (ppl_Int32_Box_t *pph, ppl_const_Grid_t ph)
- int ppl_new_Int32_Box_from_Float_Box (ppl_Int32_Box_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_Int32_Box_from_BD_Shape_float (ppl_Int32_Box_t *pph, ppl_const_BD_Shape_float_t ph)
- int ppl_new_Int32_Box_from_Octagonal_Shape_float (ppl_Int32_Box_t *pph, ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_Int32_Box_from_Double_Box (ppl_Int32_Box_t *pph, ppl_const_Double_Box_t ph)
- int ppl_new_Int32_Box_from_BD_Shape_double (ppl_Int32_Box_t *pph, ppl_const_BD_Shape_double_t ph)
- int ppl_new_Int32_Box_from_Octagonal_Shape_double (ppl_Int32_Box_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_Int32_Box_from_Long_Double_Box (ppl_Int32_Box_t *pph, ppl_const_Long_Double_Box_t ph)
- int ppl_new_Int32_Box_from_BD_Shape_long_double (ppl_Int32_Box_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_Int32_Box_from_Octagonal_Shape_long_double (ppl_Int32_Box_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_Int32_Box_from_Int8_Box_with_complexity (ppl_Int32_Box_t *pph, ppl_const_Int8_Box_t ph, int complexity)

- int ppl_new_Int32_Box_from_Int16_Box_with_complexity (ppl_Int32_Box_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_Int32_Box_from_Int32_Box_with_complexity (ppl_Int32_Box_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_Int32_Box_from_Int64_Box_with_complexity (ppl_Int32_Box_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_Int32_Box_from_Uint8_Box_with_complexity (ppl_Int32_Box_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_Int32_Box_from_Uint16_Box_with_complexity (ppl_Int32_Box_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_Int32_Box_from_Uint32_Box_with_complexity (ppl_Int32_Box_t *pph, ppl_const_Uint32_Box_t ph, int complexity)
- int ppl_new_Int32_Box_from_Uint64_Box_with_complexity (ppl_Int32_Box_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_Int32_Box_from_Z_Box_with_complexity (ppl_Int32_Box_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_Int32_Box_from_Rational_Box_with_complexity (ppl_Int32_Box_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_Int32_Box_from_BD_Shape_int8_t_with_complexity (ppl_Int32_Box_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)
- int ppl_new_Int32_Box_from_BD_Shape_int16_t_with_complexity (ppl_Int32_Box_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_Int32_Box_from_BD_Shape_int32_t_with_complexity (ppl_Int32_Box_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_Int32_Box_from_BD_Shape_int64_t_with_complexity (ppl_Int32_Box_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_Int32_Box_from_BD_Shape_mpz_class_with_complexity (ppl_Int32_Box_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Int32_Box_from_BD_Shape_mpq_class_with_complexity (ppl_Int32_Box_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Int32_Box_from_Octagonal_Shape_int8_t_with_complexity (ppl_Int32_Box_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_Int32_Box_from_Octagonal_Shape_int16_t_with_complexity (ppl_Int32_Box_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_Int32_Box_from_Octagonal_Shape_int32_t_with_complexity (ppl_Int32_Box_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_Int32_Box_from_Octagonal_Shape_int64_t_with_complexity (ppl_Int32_Box_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_new_Int32_Box_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Int32_Box_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Int32_Box_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Int32_Box_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Int32_Box_from_C_Polyhedron_with_complexity (ppl_Int32_Box_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Int32_Box_from_NNC_Polyhedron_with_complexity (ppl_Int32_Box_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Int32_Box_from_Grid_with_complexity (ppl_Int32_Box_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_Int32_Box_from_Float_Box_with_complexity (ppl_Int32_Box_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_Int32_Box_from_BD_Shape_float_with_complexity (ppl_Int32_Box_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)

- int ppl_new_Int32_Box_from_Octagonal_Shape_float_with_complexity (ppl_Int32_Box_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_Int32_Box_from_Double_Box_with_complexity (ppl_Int32_Box_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_Int32_Box_from_BD_Shape_double_with_complexity (ppl_Int32_Box_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_Int32_Box_from_Octagonal_Shape_double_with_complexity (ppl_Int32_Box_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_Int32_Box_from_Long_Double_Box_with_complexity (ppl_Int32_Box_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_Int32_Box_from_BD_Shape_long_double_with_complexity (ppl_Int32_Box_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_Int32_Box_from_Octagonal_Shape_long_double_with_complexity (ppl_Int32_Box_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_Int32_Box_from_Constraint_System (ppl_Int32_Box_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Int32_Box_from_Congruence_System (ppl_Int32_Box_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_new_Int32_Box_from_Generator_System (ppl_Int32_Box_t *pph, ppl_const_Generator_System_t cs)
- int ppl_Int32_Box_space_dimension (ppl_const_Int32_Box_t ph, ppl_dimension_type *m)
- int ppl_Int32_Box_affine_dimension (ppl_const_Int32_Box_t ph, ppl_dimension_type *m)
- int ppl_Int32_Box_relation_with_Constraint (ppl_const_Int32_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Int32_Box_relation_with_Generator (ppl_const_Int32_Box_t ph, ppl_const_Generator_t c)
- int ppl_Int32_Box_relation_with_Congruence (ppl_const_Int32_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Int32_Box_get_constraints (ppl_const_Int32_Box_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Int32_Box_get_congruences (ppl_const_Int32_Box_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Int32_Box_get_minimized_constraints (ppl_const_Int32_Box_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Int32_Box_get_minimized_congruences (ppl_const_Int32_Box_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Int32_Box_is_empty (ppl_const_Int32_Box_t ph)
- int ppl_Int32_Box_is_universe (ppl_const_Int32_Box_t ph)
- int ppl_Int32_Box_is_bounded (ppl_const_Int32_Box_t ph)
- int ppl_Int32_Box_contains_integer_point (ppl_const_Int32_Box_t ph)
- int ppl_Int32_Box_is_topologically_closed (ppl_const_Int32_Box_t ph)
- int ppl_Int32_Box_is_discrete (ppl_const_Int32_Box_t ph)
- int ppl_Int32_Box_topological_closure_assign (ppl_Int32_Box_t ph)
- int ppl_Int32_Box_bounds_from_above (ppl_const_Int32_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Int32_Box_bounds_from_below (ppl_const_Int32_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Int32_Box_maximize (ppl_const_Int32_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Int32_Box_minimize (ppl_const_Int32_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Int32_Box_maximize_with_point (ppl_const_Int32_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)

- int ppl_Int32_Box_minimize_with_point (ppl_const_Int32_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Int32_Box_frequency (ppl_const_Int32_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_fn, ppl_Coefficient_t ext_fd, ppl_Coefficient_t ext_vn, ppl_Coefficient_t ext_vd)
- int ppl_Int32_Box_contains_Int32_Box (ppl_const_Int32_Box_t x, ppl_const_Int32_Box_t y)
- int ppl_Int32_Box_strictly_contains_Int32_Box (ppl_const_Int32_Box_t x, ppl_const_Int32_Box_t y)
- int ppl_Int32_Box_is_disjoint_from_Int32_Box (ppl_const_Int32_Box_t x, ppl_const_Int32_Box_t y)
- int ppl_Int32_Box_equals_Int32_Box (ppl_const_Int32_Box_t x, ppl_const_Int32_Box_t y)
- int ppl_Int32_Box_OK (ppl_const_Int32_Box_t ph)
- int ppl_Int32_Box_add_constraint (ppl_Int32_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Int32_Box_add_congruence (ppl_Int32_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Int32_Box_add_constraints (ppl_Int32_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Int32_Box_add_congruences (ppl_Int32_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Int32_Box_refine_with_constraint (ppl_Int32_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Int32_Box_refine_with_congruence (ppl_Int32_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Int32_Box_refine_with_constraints (ppl_Int32_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Int32_Box_refine_with_congruences (ppl_Int32_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Int32_Box_intersection_assign (ppl_Int32_Box_t x, ppl_const_Int32_Box_t y)
- int ppl_Int32_Box_upper_bound_assign (ppl_Int32_Box_t x, ppl_const_Int32_Box_t y)
- int ppl_Int32_Box_difference_assign (ppl_Int32_Box_t x, ppl_const_Int32_Box_t y)
- int ppl_Int32_Box_concatenate_assign (ppl_Int32_Box_t x, ppl_const_Int32_Box_t y)
- int ppl_Int32_Box_time_elapse_assign (ppl_Int32_Box_t x, ppl_const_Int32_Box_t y)
- int ppl_Int32_Box_upper_bound_assign_if_exact (ppl_Int32_Box_t x, ppl_const_Int32_Box_t y)
- int ppl_Int32_Box_simplify_using_context_assign (ppl_Int32_Box_t x, ppl_const_Int32_Box_t y)
- int ppl_Int32_Box_constrains (ppl_Int32_Box_t ph, ppl_dimension_type var)
- int ppl_Int32_Box_unconstrain_space_dimension (ppl_Int32_Box_t ph, ppl_dimension_type var)
- int ppl_Int32_Box_unconstrain_space_dimensions (ppl_Int32_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Int32_Box_affine_image (ppl_Int32_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Int32_Box_affine_preimage (ppl_Int32_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Int32_Box_bounded_affine_image (ppl_Int32_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Int32_Box_bounded_affine_preimage (ppl_Int32_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Int32_Box_generalized_affine_image (ppl_Int32_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Int32_Box_generalized_affine_preimage (ppl_Int32_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Int32_Box_generalized_affine_image_lhs_rhs (ppl_Int32_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Int32_Box_generalized_affine_preimage_lhs_rhs (ppl_Int32_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Int32_Box_add_space_dimensions_and_embed (ppl_Int32_Box_t ph, ppl_dimension_type d)

- int ppl_Int32_Box_add_space_dimensions_and_project (ppl_Int32_Box_t ph, ppl_dimension_type d)
- int ppl_Int32_Box_remove_space_dimensions (ppl_Int32_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Int32_Box_remove_higher_space_dimensions (ppl_Int32_Box_t ph, ppl_dimension_type d)
- int ppl_Int32_Box_expand_space_dimension (ppl_Int32_Box_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Int32_Box_fold_space_dimensions (ppl_Int32_Box_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Int32_Box_map_space_dimensions (ppl_Int32_Box_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Int32_Box_drop_some_non_integer_points (ppl_Int32_Box_t ph, int complexity)
- int ppl_Int32_Box_drop_some_non_integer_points_2 (ppl_Int32_Box_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Int32_Box_external_memory_in_bytes (ppl_const_Int32_Box_t ps, size_t *sz)
- int ppl_Int32_Box_total_memory_in_bytes (ppl_const_Int32_Box_t ps, size_t *sz)
- int ppl_Int32_Box_CC76_widening_assign_with_tokens (ppl_Int32_Box_t x, ppl_const_Int32_Box_t y, unsigned *tp)
- int ppl_Int32_Box_CC76_widening_assign (ppl_Int32_Box_t x, ppl_const_Int32_Box_t y)
- int ppl_Int32_Box_widening_assign_with_tokens (ppl_Int32_Box_t x, ppl_const_Int32_Box_t y, unsigned *tp)
- int ppl_Int32_Box_widening_assign (ppl_Int32_Box_t x, ppl_const_Int32_Box_t y)
- int ppl_Int32_Box_limited_CC76_extrapolation_assign_with_tokens (ppl_Int32_Box_t x, ppl_const_Int32_Box_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_Int32_Box_limited_CC76_extrapolation_assign (ppl_Int32_Box_t x, ppl_const_Int32_Box_t y, ppl_const_Constraint_System_t cs)
- int ppl_Int32_Box_linear_partition (ppl_const_Int32_Box_t x, ppl_const_Int32_Box_t y, ppl_Int32_Box_t *p_inters, ppl_Pointset_Powerset_NNC_Polyhedron_t *p_rest)
- int ppl_Int32_Box_wrap_assign (ppl_Int32_Box_t ph, ppl_dimension_type ds[ ], size_t n, enum ppl_enum_Bounded_Integer_Type_Width w, enum ppl_enum_Bounded_Integer_Type_Representation r, enum ppl_enum_Bounded_Integer_Type_Overflow o, const ppl_const_Constraint_System_t *pcs, unsigned complexity_threshold, int wrap_individually)
- int ppl_new_Int32_Box_recycle_Constraint_System (ppl_Int32_Box_t *pph, ppl_Constraint_System_t cs)
- int ppl_new_Int32_Box_recycle_Congruence_System (ppl_Int32_Box_t *pph, ppl_Congruence_System_t cs)
- int ppl_new_Int32_Box_recycle_Generator_System (ppl_Int32_Box_t *pph, ppl_Generator_System_t cs)
- int ppl_assign_Int32_Box_from_Int32_Box (ppl_Int32_Box_t dst, ppl_const_Int32_Box_t src)
- int ppl_Int32_Box_add_recycled_constraints (ppl_Int32_Box_t ph, ppl_Constraint_System_t cs)
- int ppl_Int32_Box_add_recycled_congruences (ppl_Int32_Box_t ph, ppl_Congruence_System_t cs)
- int ppl_termination_test_MS_Int32_Box (ppl_const_Int32_Box_t pset)
- int ppl_termination_test_PR_Int32_Box (ppl_const_Int32_Box_t pset)
- int ppl_one_affine_ranking_function_MS_Int32_Box (ppl_const_Int32_Box_t pset, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Int32_Box (ppl_const_Int32_Box_t pset, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Int32_Box (ppl_const_Int32_Box_t pset, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Int32_Box (ppl_const_Int32_Box_t pset, ppl_Polyhedron_t ph)

- int ppl_termination_test_MS_Int32_Box_2 (ppl_const_Int32_Box_t pset_before, ppl_const_Int32_Box_t pset_after)
- int ppl_termination_test_PR_Int32_Box_2 (ppl_const_Int32_Box_t pset_before, ppl_const_Int32_Box_t pset_after)
- int ppl_one_affine_ranking_function_MS_Int32_Box_2 (ppl_const_Int32_Box_t pset_before, ppl_const_Int32_Box_t pset_after, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Int32_Box_2 (ppl_const_Int32_Box_t pset_before, ppl_const_Int32_Box_t pset_after, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Int32_Box_2 (ppl_const_Int32_Box_t pset_before, ppl_const_Int32_Box_t pset_after, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Int32_Box_2 (ppl_const_Int32_Box_t pset_before, ppl_const_Int32_Box_t pset_after, ppl_Polyhedron_t ph)
- int ppl_io_print_Int32_Box (ppl_const_Int32_Box_t x)
- int ppl_io_fprint_Int32_Box (FILE *stream, ppl_const_Int32_Box_t x)
- int ppl_io_asprint_Int32_Box (char **strp, ppl_const_Int32_Box_t x)
- int ppl_Int32_Box_ascii_dump (ppl_const_Int32_Box_t x, FILE *stream)
- int ppl_Int32_Box_ascii_load (ppl_Int32_Box_t x, FILE *stream)

7.33.1 Detailed Description

Types and functions for ppl_Int32_Box_tag.

7.33.2 Friends And Related Function Documentation

7.33.2.1 int ppl_delete_Int32_Box (ppl_const_Int32_Box_t *ph*) [related]

7.33.2.2 int ppl_new_Int32_Box_from_space_dimension (ppl_Int32_Box_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.33.2.3 int ppl_new_Int32_Box_from_Int8_Box (ppl_Int32_Box_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.33.2.4 int ppl_new_Int32_Box_from_Int16_Box (ppl_Int32_Box_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.33.2.5 int ppl_new_Int32_Box_from_Int32_Box (ppl_Int32_Box_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.33.2.6 int ppl_new_Int32_Box_from_Int64_Box (ppl_Int32_Box_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.33.2.7 int ppl_new_Int32_Box_from_Uint8_Box (ppl_Int32_Box_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.33.2.8 int ppl_new_Int32_Box_from_Uint16_Box (ppl_Int32_Box_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.33.2.9 int ppl_new_Int32_Box_from_Uint32_Box (ppl_Int32_Box_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.33.2.10 int ppl_new_Int32_Box_from_Uint64_Box (ppl_Int32_Box_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.33.2.11 int ppl_new_Int32_Box_from_Z_Box (ppl_Int32_Box_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.33.2.12 int ppl_new_Int32_Box_from_Rational_Box (ppl_Int32_Box_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.33.2.13 int ppl_new_Int32_Box_from_BD_Shape_int8_t (ppl_Int32_Box_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.33.2.14 int ppl_new_Int32_Box_from_BD_Shape_int16_t (ppl_Int32_Box_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.33.2.15 int ppl_new_Int32_Box_from_BD_Shape_int32_t (ppl_Int32_Box_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.33.2.16 int ppl_new_Int32_Box_from_BD_Shape_int64_t (ppl_Int32_Box_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.33.2.17 int ppl_new_Int32_Box_from_BD_Shape_mpz_class (ppl_Int32_Box_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.33.2.18 int ppl_new_Int32_Box_from_BD_Shape_mpq_class (ppl_Int32_Box_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.33.2.19 int ppl_new_Int32_Box_from_Octagonal_Shape_int8_t (ppl_Int32_Box_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.33.2.20 int ppl_new_Int32_Box_from_Octagonal_Shape_int16_t (ppl_Int32_Box_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.33.2.21 int ppl_new_Int32_Box_from_Octagonal_Shape_int32_t (ppl_Int32_Box_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.33.2.22 int ppl_new_Int32_Box_from_Octagonal_Shape_int64_t (ppl_Int32_Box_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.33.2.23 int ppl_new_Int32_Box_from_Octagonal_Shape_mpz_class (ppl_Int32_Box_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.33.2.24 int ppl_new_Int32_Box_from_Octagonal_Shape_mpq_class (ppl_Int32_Box_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.33.2.25 int ppl_new_Int32_Box_from_C_Polyhedron (ppl_Int32_Box_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.33.2.26 int ppl_new_Int32_Box_from_NNC_Polyhedron (ppl_Int32_Box_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.33.2.27 int ppl_new_Int32_Box_from_Grid (ppl_Int32_Box_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.33.2.28 int ppl_new_Int32_Box_from_Float_Box (ppl_Int32_Box_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.33.2.29 int ppl_new_Int32_Box_from_BD_Shape_float (ppl_Int32_Box_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.33.2.30 int ppl_new_Int32_Box_from_Octagonal_Shape_float (ppl_Int32_Box_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.33.2.31 int ppl_new_Int32_Box_from_Double_Box (ppl_Int32_Box_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.33.2.32 int ppl_new_Int32_Box_from_BD_Shape_double (ppl_Int32_Box_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.33.2.33 int ppl_new_Int32_Box_from_Octagonal_Shape_double (ppl_Int32_Box_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.33.2.34 int ppl_new_Int32_Box_from_Long_Double_Box (ppl_Int32_Box_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.33.2.35 int ppl_new_Int32_Box_from_BD_Shape_long_double (ppl_Int32_Box_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.33.2.36 int ppl_new_Int32_Box_from_Octagonal_Shape_long_double (ppl_Int32_Box_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.33.2.37 int ppl_new_Int32_Box_from_Int8_Box_with_complexity (ppl_Int32_Box_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.33.2.38 int ppl_new_Int32_Box_from_Int16_Box_with_complexity (ppl_Int32_Box_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.33.2.39 int ppl_new_Int32_Box_from_Int32_Box_with_complexity (ppl_Int32_Box_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.33.2.40 int ppl_new_Int32_Box_from_Int64_Box_with_complexity (ppl_Int32_Box_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.33.2.41 int ppl_new_Int32_Box_from_Uint8_Box_with_complexity (ppl_Int32_Box_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.33.2.42 int ppl_new_Int32_Box_from_Uint16_Box_with_complexity (ppl_Int32_Box_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.33.2.43 int ppl_new_Int32_Box_from_Uint32_Box_with_complexity (ppl_Int32_Box_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.33.2.44 int ppl_new_Int32_Box_from_Uint64_Box_with_complexity (ppl_Int32_Box_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.33.2.45 int ppl_new_Int32_Box_from_Z_Box_with_complexity (ppl_Int32_Box_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.33.2.46 int ppl_new_Int32_Box_from_Rational_Box_with_complexity (ppl_Int32_Box_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.33.2.47 int ppl_new_Int32_Box_from_BD_Shape_int8_t_with_complexity (ppl_Int32_Box_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.33.2.48 int ppl_new_Int32_Box_from_BD_Shape_int16_t_with_complexity (ppl_Int32_Box_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.33.2.49 int ppl_new_Int32_Box_from_BD_Shape_int32_t_with_complexity (ppl_Int32_Box_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.33.2.50 int ppl_new_Int32_Box_from_BD_Shape_int64_t_with_complexity (ppl_Int32_Box_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.33.2.51 int ppl_new_Int32_Box_from_BD_Shape_mpz_class_with_complexity (ppl_Int32_Box_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.33.2.52 int ppl_new_Int32_Box_from_BD_Shape_mpq_class_with_complexity (ppl_Int32_Box_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.33.2.53 int ppl_new_Int32_Box_from_Octagonal_Shape_int8_t_with_complexity (ppl_Int32_Box_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.33.2.54 int ppl_new_Int32_Box_from_Octagonal_Shape_int16_t_with_complexity (ppl_Int32_Box_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.33.2.55 int ppl_new_Int32_Box_from_Octagonal_Shape_int32_t_with_complexity (ppl_Int32_Box_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.33.2.56 int ppl_new_Int32_Box_from_Octagonal_Shape_int64_t_with_complexity (ppl_Int32_Box_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.33.2.57 int ppl_new_Int32_Box_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Int32_Box_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.33.2.58 int ppl_new_Int32_Box_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Int32_Box_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.33.2.59 int ppl_new_Int32_Box_from_C_Polyhedron_with_complexity (ppl_Int32_Box_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.33.2.60 int ppl_new_Int32_Box_from_NNC_Polyhedron_with_complexity (ppl_Int32_Box_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.33.2.61 int ppl_new_Int32_Box_from_Grid_with_complexity (ppl_Int32_Box_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.33.2.62 int ppl_new_Int32_Box_from_Float_Box_with_complexity (ppl_Int32_Box_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.33.2.63 int ppl_new_Int32_Box_from_BD_Shape_float_with_complexity (ppl_Int32_Box_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.33.2.64 int ppl_new_Int32_Box_from_Octagonal_Shape_float_with_complexity (ppl_Int32_Box_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.33.2.65 int ppl_new_Int32_Box_from_Double_Box_with_complexity (ppl_Int32_Box_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.33.2.66 int ppl_new_Int32_Box_from_BD_Shape_double_with_complexity (ppl_Int32_Box_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.33.2.67 int ppl_new_Int32_Box_from_Octagonal_Shape_double_with_complexity (ppl_Int32_Box_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.33.2.68 int ppl_new_Int32_Box_from_Long_Double_Box_with_complexity (ppl_Int32_Box_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.33.2.69 int ppl_new_Int32_Box_from_BD_Shape_long_double_with_complexity (ppl_Int32_Box_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.33.2.70 int ppl_new_Int32_Box_from_Octagonal_Shape_long_double_with_complexity (ppl_Int32_Box_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.33.2.71 int ppl_new_Int32_Box_from_Constraint_System (ppl_Int32_Box_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.33.2.72 int ppl_new_Int32_Box_from_Congruence_System (ppl_Int32_Box_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.33.2.73 int ppl_new_Int32_Box_from_Generator_System (ppl_Int32_Box_t * *pph*, ppl_const_Generator_System_t *cs*) [related]

7.33.2.74 int ppl_Int32_Box_space_dimension (ppl_const_Int32_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.33.2.75 int ppl_Int32_Box_affine_dimension (ppl_const_Int32_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.33.2.76 int ppl_Int32_Box_relation_with_Constraint (ppl_const_Int32_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.33.2.77 int ppl_Int32_Box_relation_with_Generator (ppl_const_Int32_Box_t *ph*, ppl_const_Generator_t *c*) [related]

7.33.2.78 int ppl_Int32_Box_relation_with_Congruence (ppl_const_Int32_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.33.2.79 int ppl_Int32_Box_get_constraints (ppl_const_Int32_Box_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.33.2.80 int ppl_Int32_Box_get_congruences (ppl_const_Int32_Box_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.33.2.81 int ppl_Int32_Box_get_minimized_constraints (ppl_const_Int32_Box_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.33.2.82 int ppl_Int32_Box_get_minimized_congruences (ppl_const_Int32_Box_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.33.2.83 int ppl_Int32_Box_is_empty (ppl_const_Int32_Box_t *ph*) [related]

7.33.2.84 int ppl_Int32_Box_is_universe (ppl_const_Int32_Box_t *ph*) [related]

7.33.2.85 int ppl_Int32_Box_is_bounded (ppl_const_Int32_Box_t *ph*) [related]

7.33.2.86 int ppl_Int32_Box_contains_integer_point (ppl_const_Int32_Box_t *ph*) [related]

7.33.2.87 int ppl_Int32_Box_is_topologically_closed (ppl_const_Int32_Box_t *ph*) [related]

7.33.2.88 int ppl_Int32_Box_is_discrete (ppl_const_Int32_Box_t *ph*) [related]

7.33.2.89 int ppl_Int32_Box_topological_closure_assign (ppl_Int32_Box_t *ph*) [related]

7.33.2.90 int ppl_Int32_Box_bounds_from_above (ppl_const_Int32_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.33.2.91 int ppl_Int32_Box_bounds_from_below (ppl_const_Int32_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.33.2.92 int ppl_Int32_Box_maximize (ppl_const_Int32_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.33.2.93 int ppl_Int32_Box_minimize (ppl_const_Int32_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.33.2.94 int ppl_Int32_Box_maximize_with_point (ppl_const_Int32_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.33.2.95 int ppl_Int32_Box_minimize_with_point (ppl_const_Int32_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.33.2.96 int ppl_Int32_Box_frequency (ppl_const_Int32_Box_t *ph*, ppl_const_Linear_-Expression_t *le*, ppl_Coefficient_t *ext_fn*, ppl_Coefficient_t *ext_fd*, ppl_Coefficient_t *ext_vn*, ppl_Coefficient_t *ext_vd*) [related]

7.33.2.97 int ppl_Int32_Box_contains_Int32_Box (ppl_const_Int32_Box_t *x*, ppl_const_Int32_Box_t *y*) [related]

7.33.2.98 int ppl_Int32_Box_strictly_contains_Int32_Box (ppl_const_Int32_Box_t *x*, ppl_const_Int32_Box_t *y*) [related]

7.33.2.99 int ppl_Int32_Box_is_disjoint_from_Int32_Box (ppl_const_Int32_Box_t *x*, ppl_const_Int32_Box_t *y*) [related]

7.33.2.100 int ppl_Int32_Box_equals_Int32_Box (ppl_const_Int32_Box_t *x*, ppl_const_Int32_Box_t *y*) [related]

7.33.2.101 int ppl_Int32_Box_OK (ppl_const_Int32_Box_t *ph*) [related]

7.33.2.102 int ppl_Int32_Box_add_constraint (ppl_Int32_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.33.2.103 int ppl_Int32_Box_add_congruence (ppl_Int32_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.33.2.104 int ppl_Int32_Box_add_constraints (ppl_Int32_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.33.2.105 int ppl_Int32_Box_add_congruences (ppl_Int32_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.33.2.106 int ppl_Int32_Box_refine_with_constraint (ppl_Int32_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.33.2.107 int ppl_Int32_Box_refine_with_congruence (ppl_Int32_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.33.2.108 int ppl_Int32_Box_refine_with_constraints (ppl_Int32_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.33.2.109 int ppl_Int32_Box_refine_with_congruences (ppl_Int32_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.33.2.110 int ppl_Int32_Box_intersection_assign (ppl_Int32_Box_t *x*, ppl_const_Int32_Box_t *y*) [related]

7.33.2.111 int ppl_Int32_Box_upper_bound_assign (ppl_Int32_Box_t *x*, ppl_const_Int32_Box_t *y*) [related]

7.33.2.112 int ppl_Int32_Box_difference_assign (ppl_Int32_Box_t *x*, ppl_const_Int32_Box_t *y*) [related]

7.33.2.113 int ppl_Int32_Box_concatenate_assign (ppl_Int32_Box_t *x*, ppl_const_Int32_Box_t *y*) [related]

7.33.2.114 int ppl_Int32_Box_time_elapse_assign (ppl_Int32_Box_t *x*, ppl_const_Int32_Box_t *y*) [related]

7.33.2.115 int ppl_Int32_Box_upper_bound_assign_if_exact (ppl_Int32_Box_t *x*, ppl_const_Int32_Box_t *y*) [related]

7.33.2.116 int ppl_Int32_Box_simplify_using_context_assign (ppl_Int32_Box_t *x*, ppl_const_Int32_Box_t *y*) [related]

7.33.2.117 int ppl_Int32_Box_constrains (ppl_Int32_Box_t *ph*, ppl_dimension_type *var*) [related]

7.33.2.118 int ppl_Int32_Box_unconstrain_space_dimension (ppl_Int32_Box_t *ph*, ppl_dimension_type *var*) [related]

7.33.2.119 int ppl_Int32_Box_unconstrain_space_dimensions (ppl_Int32_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.33.2.120 int ppl_Int32_Box_affine_image (ppl_Int32_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.33.2.121 int ppl_Int32_Box_affine_preimage (ppl_Int32_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.33.2.122 int ppl_Int32_Box_bounded_affine_image (ppl_Int32_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.33.2.123 int ppl_Int32_Box_bounded_affine_preimage (ppl_Int32_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.33.2.124 int ppl_Int32_Box_generalized_affine_image (ppl_Int32_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.33.2.125 int ppl_Int32_Box_generalized_affine_preimage (ppl_Int32_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.33.2.126 int ppl_Int32_Box_generalized_affine_image_lhs_rhs (ppl_Int32_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.33.2.127 int ppl_Int32_Box_generalized_affine_preimage_lhs_rhs (ppl_Int32_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.33.2.128 int ppl_Int32_Box_add_space_dimensions_and_embed (ppl_Int32_Box_t *ph*, ppl_dimension_type *d*) [related]

7.33.2.129 int ppl_Int32_Box_add_space_dimensions_and_project (ppl_Int32_Box_t *ph*, ppl_dimension_type *d*) [related]

7.33.2.130 int ppl_Int32_Box_remove_space_dimensions (ppl_Int32_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.33.2.131 int ppl_Int32_Box_remove_higher_space_dimensions (ppl_Int32_Box_t *ph*, ppl_dimension_type *d*) [related]

7.33.2.132 int ppl_Int32_Box_expand_space_dimension (ppl_Int32_Box_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.33.2.133 int ppl_Int32_Box_fold_space_dimensions (ppl_Int32_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.33.2.134 int ppl_Int32_Box_map_space_dimensions (ppl_Int32_Box_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.33.2.135 int ppl_Int32_Box_drop_some_non_integer_points (ppl_Int32_Box_t *ph*, int *complexity*) [related]

7.33.2.136 int ppl_Int32_Box_drop_some_non_integer_points_2 (ppl_Int32_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.33.2.137 int ppl_Int32_Box_external_memory_in_bytes (ppl_const_Int32_Box_t *ps*, size_t * *sz*) [related]

7.33.2.138 int ppl_Int32_Box_total_memory_in_bytes (ppl_const_Int32_Box_t *ps*, size_t * *sz*) [related]

7.33.2.139 int ppl_Int32_Box_CC76_widening_assign_with_tokens (ppl_Int32_Box_t *x*, ppl_const_Int32_Box_t *y*, unsigned * *tp*) [related]

7.33.2.140 **int ppl_Int32_Box_CC76_widening_assign (ppl_Int32_Box_t *x*, ppl_const_Int32_Box_t *y*) [related]**

7.33.2.141 **int ppl_Int32_Box_widening_assign_with_tokens (ppl_Int32_Box_t *x*, ppl_const_Int32_Box_t *y*, unsigned * *tp*) [related]**

7.33.2.142 **int ppl_Int32_Box_widening_assign (ppl_Int32_Box_t *x*, ppl_const_Int32_Box_t *y*) [related]**

7.33.2.143 **int ppl_Int32_Box_limited_CC76_extrapolation_assign_with_tokens (ppl_Int32_Box_t *x*, ppl_const_Int32_Box_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]**

7.33.2.144 **int ppl_Int32_Box_limited_CC76_extrapolation_assign (ppl_Int32_Box_t *x*, ppl_const_Int32_Box_t *y*, ppl_const_Constraint_System_t *cs*) [related]**

7.33.2.145 **int ppl_Int32_Box_linear_partition (ppl_const_Int32_Box_t *x*, ppl_const_Int32_Box_t *y*, ppl_Int32_Box_t * *p_inters*, ppl_Pointset_Powerset_NNC_Polyhedron_t * *p_rest*) [related]**

7.33.2.146 **int ppl_Int32_Box_wrap_assign (ppl_Int32_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, enum ppl_enum_Bounded_Integer_Type_Width *w*, enum ppl_enum_Bounded_Integer_Type_Representation *r*, enum ppl_enum_Bounded_Integer_Type_Overflow *o*, const ppl_const_Constraint_System_t * *pcs*, unsigned *complexity_threshold*, int *wrap_individually*) [related]**

7.33.2.147 **int ppl_new_Int32_Box_recycle_Constraint_System (ppl_Int32_Box_t * *pph*, ppl_Constraint_System_t *cs*) [related]**

7.33.2.148 int ppl_new_Int32_Box_recycle_Congruence_System (ppl_Int32_Box_t * *pph*, ppl_Congruence_System_t *cs*) [related]

7.33.2.149 int ppl_new_Int32_Box_recycle_Generator_System (ppl_Int32_Box_t * *pph*, ppl_Generator_System_t *cs*) [related]

7.33.2.150 int ppl_assign_Int32_Box_from_Int32_Box (ppl_Int32_Box_t *dst*, ppl_const_Int32_Box_t *src*) [related]

7.33.2.151 int ppl_Int32_Box_add_recycled_constraints (ppl_Int32_Box_t *ph*, ppl_Constraint_System_t *cs*) [related]

7.33.2.152 int ppl_Int32_Box_add_recycled_congruences (ppl_Int32_Box_t *ph*, ppl_Congruence_System_t *cs*) [related]

7.33.2.153 int ppl_termination_test_MS_Int32_Box (ppl_const_Int32_Box_t *pset*) [related]

7.33.2.154 int ppl_termination_test_PR_Int32_Box (ppl_const_Int32_Box_t *pset*) [related]

7.33.2.155 int ppl_one_affine_ranking_function_MS_Int32_Box (ppl_const_Int32_Box_t *pset*, ppl_Generator_t *point*) [related]

7.33.2.156 int ppl_one_affine_ranking_function_PR_Int32_Box (ppl_const_Int32_Box_t *pset*, ppl_Generator_t *point*) [related]

7.33.2.157 int ppl_all_affine_ranking_functions_MS_Int32_Box (ppl_const_Int32_Box_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.33.2.158 int ppl_all_affine_ranking_functions_PR_Int32_Box (ppl_const_Int32_Box_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.33.2.159 int ppl_termination_test_MS_Int32_Box_2 (ppl_const_Int32_Box_t *pset_before*, ppl_const_Int32_Box_t *pset_after*) [related]

7.33.2.160 int ppl_termination_test_PR_Int32_Box_2 (ppl_const_Int32_Box_t *pset_before*, ppl_const_Int32_Box_t *pset_after*) [related]

7.33.2.161 int ppl_one_affine_ranking_function_MS_Int32_Box_2 (ppl_const_Int32_Box_t *pset_before*, ppl_const_Int32_Box_t *pset_after*, ppl_Generator_t *point*) [related]

7.33.2.162 int ppl_one_affine_ranking_function_PR_Int32_Box_2 (ppl_const_Int32_Box_t *pset_before*, ppl_const_Int32_Box_t *pset_after*, ppl_Generator_t *point*) [related]

7.33.2.163 int ppl_all_affine_ranking_functions_MS_Int32_Box_2 (ppl_const_Int32_Box_t *pset_before*, ppl_const_Int32_Box_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.33.2.164 int ppl_all_affine_ranking_functions_PR_Int32_Box_2 (ppl_const_Int32_Box_t *pset_before*, ppl_const_Int32_Box_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.33.2.165 int ppl_io_print_Int32_Box (ppl_const_Int32_Box_t *x*) [related]

7.33.2.166 int ppl_io_fprint_Int32_Box (FILE * *stream*, ppl_const_Int32_Box_t *x*) [related]

7.33.2.167 int ppl_io_asprint_Int32_Box (char ** *strp*, ppl_const_Int32_Box_t *x*) [related]

7.33.2.168 int ppl_Int32_Box_ascii_dump (ppl_const_Int32_Box_t *x*, FILE * *stream*) [related]

7.33.2.169 int ppl_Int32_Box_ascii_load (ppl_Int32_Box_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.34 ppl_Int64_Box_tag Interface Reference

Types and functions for ppl_Int64_Box_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Int64_Box (ppl_const_Int64_Box_t ph)
- int ppl_new_Int64_Box_from_space_dimension (ppl_Int64_Box_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Int64_Box_from_Int8_Box (ppl_Int64_Box_t *pph, ppl_const_Int8_Box_t ph)
- int ppl_new_Int64_Box_from_Int16_Box (ppl_Int64_Box_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_Int64_Box_from_Int32_Box (ppl_Int64_Box_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_Int64_Box_from_Int64_Box (ppl_Int64_Box_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_Int64_Box_from_Uint8_Box (ppl_Int64_Box_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_Int64_Box_from_Uint16_Box (ppl_Int64_Box_t *pph, ppl_const_Uint16_Box_t ph)
- int ppl_new_Int64_Box_from_Uint32_Box (ppl_Int64_Box_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_Int64_Box_from_Uint64_Box (ppl_Int64_Box_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_Int64_Box_from_Z_Box (ppl_Int64_Box_t *pph, ppl_const_Z_Box_t ph)
- int ppl_new_Int64_Box_from_Rational_Box (ppl_Int64_Box_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_Int64_Box_from_BD_Shape_int8_t (ppl_Int64_Box_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_Int64_Box_from_BD_Shape_int16_t (ppl_Int64_Box_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_Int64_Box_from_BD_Shape_int32_t (ppl_Int64_Box_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_Int64_Box_from_BD_Shape_int64_t (ppl_Int64_Box_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_Int64_Box_from_BD_Shape_mpz_class (ppl_Int64_Box_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_Int64_Box_from_BD_Shape_mpq_class (ppl_Int64_Box_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_Int64_Box_from_Octagonal_Shape_int8_t (ppl_Int64_Box_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)

- int ppl_new_Int64_Box_from_Octagonal_Shape_int16_t (ppl_Int64_Box_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_Int64_Box_from_Octagonal_Shape_int32_t (ppl_Int64_Box_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_Int64_Box_from_Octagonal_Shape_int64_t (ppl_Int64_Box_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_Int64_Box_from_Octagonal_Shape_mpz_class (ppl_Int64_Box_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_Int64_Box_from_Octagonal_Shape_mpq_class (ppl_Int64_Box_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_Int64_Box_from_C_Polyhedron (ppl_Int64_Box_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Int64_Box_from_NNC_Polyhedron (ppl_Int64_Box_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Int64_Box_from_Grid (ppl_Int64_Box_t *pph, ppl_const_Grid_t ph)
- int ppl_new_Int64_Box_from_Float_Box (ppl_Int64_Box_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_Int64_Box_from_BD_Shape_float (ppl_Int64_Box_t *pph, ppl_const_BD_Shape_float_t ph)
- int ppl_new_Int64_Box_from_Octagonal_Shape_float (ppl_Int64_Box_t *pph, ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_Int64_Box_from_Double_Box (ppl_Int64_Box_t *pph, ppl_const_Double_Box_t ph)
- int ppl_new_Int64_Box_from_BD_Shape_double (ppl_Int64_Box_t *pph, ppl_const_BD_Shape_double_t ph)
- int ppl_new_Int64_Box_from_Octagonal_Shape_double (ppl_Int64_Box_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_Int64_Box_from_Long_Double_Box (ppl_Int64_Box_t *pph, ppl_const_Long_Double_Box_t ph)
- int ppl_new_Int64_Box_from_BD_Shape_long_double (ppl_Int64_Box_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_Int64_Box_from_Octagonal_Shape_long_double (ppl_Int64_Box_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_Int64_Box_from_Int8_Box_with_complexity (ppl_Int64_Box_t *pph, ppl_const_Int8_Box_t ph, int complexity)
- int ppl_new_Int64_Box_from_Int16_Box_with_complexity (ppl_Int64_Box_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_Int64_Box_from_Int32_Box_with_complexity (ppl_Int64_Box_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_Int64_Box_from_Int64_Box_with_complexity (ppl_Int64_Box_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_Int64_Box_from_Uint8_Box_with_complexity (ppl_Int64_Box_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_Int64_Box_from_Uint16_Box_with_complexity (ppl_Int64_Box_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_Int64_Box_from_Uint32_Box_with_complexity (ppl_Int64_Box_t *pph, ppl_const_Uint32_Box_t ph, int complexity)
- int ppl_new_Int64_Box_from_Uint64_Box_with_complexity (ppl_Int64_Box_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_Int64_Box_from_Z_Box_with_complexity (ppl_Int64_Box_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_Int64_Box_from_Rational_Box_with_complexity (ppl_Int64_Box_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_Int64_Box_from_BD_Shape_int8_t_with_complexity (ppl_Int64_Box_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)

- int ppl_new_Int64_Box_from_BD_Shape_int16_t_with_complexity (ppl_Int64_Box_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_Int64_Box_from_BD_Shape_int32_t_with_complexity (ppl_Int64_Box_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_Int64_Box_from_BD_Shape_int64_t_with_complexity (ppl_Int64_Box_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_Int64_Box_from_BD_Shape_mpz_class_with_complexity (ppl_Int64_Box_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Int64_Box_from_BD_Shape_mpq_class_with_complexity (ppl_Int64_Box_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Int64_Box_from_Octagonal_Shape_int8_t_with_complexity (ppl_Int64_Box_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_Int64_Box_from_Octagonal_Shape_int16_t_with_complexity (ppl_Int64_Box_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_Int64_Box_from_Octagonal_Shape_int32_t_with_complexity (ppl_Int64_Box_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_Int64_Box_from_Octagonal_Shape_int64_t_with_complexity (ppl_Int64_Box_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_new_Int64_Box_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Int64_Box_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Int64_Box_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Int64_Box_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Int64_Box_from_C_Polyhedron_with_complexity (ppl_Int64_Box_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Int64_Box_from_NNC_Polyhedron_with_complexity (ppl_Int64_Box_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Int64_Box_from_Grid_with_complexity (ppl_Int64_Box_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_Int64_Box_from_Float_Box_with_complexity (ppl_Int64_Box_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_Int64_Box_from_BD_Shape_float_with_complexity (ppl_Int64_Box_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)
- int ppl_new_Int64_Box_from_Octagonal_Shape_float_with_complexity (ppl_Int64_Box_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_Int64_Box_from_Double_Box_with_complexity (ppl_Int64_Box_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_Int64_Box_from_BD_Shape_double_with_complexity (ppl_Int64_Box_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_Int64_Box_from_Octagonal_Shape_double_with_complexity (ppl_Int64_Box_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_Int64_Box_from_Long_Double_Box_with_complexity (ppl_Int64_Box_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_Int64_Box_from_BD_Shape_long_double_with_complexity (ppl_Int64_Box_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_Int64_Box_from_Octagonal_Shape_long_double_with_complexity (ppl_Int64_Box_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_Int64_Box_from_Constraint_System (ppl_Int64_Box_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Int64_Box_from_Congruence_System (ppl_Int64_Box_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_new_Int64_Box_from_Generator_System (ppl_Int64_Box_t *pph, ppl_const_Generator_System_t cs)

- int ppl_Int64_Box_space_dimension (ppl_const_Int64_Box_t ph, ppl_dimension_type *m)
- int ppl_Int64_Box_affine_dimension (ppl_const_Int64_Box_t ph, ppl_dimension_type *m)
- int ppl_Int64_Box_relation_with_Constraint (ppl_const_Int64_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Int64_Box_relation_with_Generator (ppl_const_Int64_Box_t ph, ppl_const_Generator_t c)
- int ppl_Int64_Box_relation_with_Congruence (ppl_const_Int64_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Int64_Box_get_constraints (ppl_const_Int64_Box_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Int64_Box_get_congruences (ppl_const_Int64_Box_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Int64_Box_get_minimized_constraints (ppl_const_Int64_Box_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Int64_Box_get_minimized_congruences (ppl_const_Int64_Box_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Int64_Box_is_empty (ppl_const_Int64_Box_t ph)
- int ppl_Int64_Box_is_universe (ppl_const_Int64_Box_t ph)
- int ppl_Int64_Box_is_bounded (ppl_const_Int64_Box_t ph)
- int ppl_Int64_Box_contains_integer_point (ppl_const_Int64_Box_t ph)
- int ppl_Int64_Box_is_topologically_closed (ppl_const_Int64_Box_t ph)
- int ppl_Int64_Box_is_discrete (ppl_const_Int64_Box_t ph)
- int ppl_Int64_Box_topological_closure_assign (ppl_Int64_Box_t ph)
- int ppl_Int64_Box_bounds_from_above (ppl_const_Int64_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Int64_Box_bounds_from_below (ppl_const_Int64_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Int64_Box_maximize (ppl_const_Int64_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Int64_Box_minimize (ppl_const_Int64_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Int64_Box_maximize_with_point (ppl_const_Int64_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Int64_Box_minimize_with_point (ppl_const_Int64_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Int64_Box_frequency (ppl_const_Int64_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_fn, ppl_Coefficient_t ext_fd, ppl_Coefficient_t ext_vn, ppl_Coefficient_t ext_vd)
- int ppl_Int64_Box_contains_Int64_Box (ppl_const_Int64_Box_t x, ppl_const_Int64_Box_t y)
- int ppl_Int64_Box_strictly_contains_Int64_Box (ppl_const_Int64_Box_t x, ppl_const_Int64_Box_t y)
- int ppl_Int64_Box_is_disjoint_from_Int64_Box (ppl_const_Int64_Box_t x, ppl_const_Int64_Box_t y)
- int ppl_Int64_Box_equals_Int64_Box (ppl_const_Int64_Box_t x, ppl_const_Int64_Box_t y)
- int ppl_Int64_Box_OK (ppl_const_Int64_Box_t ph)
- int ppl_Int64_Box_add_constraint (ppl_Int64_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Int64_Box_add_congruence (ppl_Int64_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Int64_Box_add_constraints (ppl_Int64_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Int64_Box_add_congruences (ppl_Int64_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Int64_Box_refine_with_constraint (ppl_Int64_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Int64_Box_refine_with_congruence (ppl_Int64_Box_t ph, ppl_const_Congruence_t c)

- int ppl_Int64_Box_refine_with_constraints (ppl_Int64_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Int64_Box_refine_with_congruences (ppl_Int64_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Int64_Box_intersection_assign (ppl_Int64_Box_t x, ppl_const_Int64_Box_t y)
- int ppl_Int64_Box_upper_bound_assign (ppl_Int64_Box_t x, ppl_const_Int64_Box_t y)
- int ppl_Int64_Box_difference_assign (ppl_Int64_Box_t x, ppl_const_Int64_Box_t y)
- int ppl_Int64_Box_concatenate_assign (ppl_Int64_Box_t x, ppl_const_Int64_Box_t y)
- int ppl_Int64_Box_time_elapse_assign (ppl_Int64_Box_t x, ppl_const_Int64_Box_t y)
- int ppl_Int64_Box_upper_bound_assign_if_exact (ppl_Int64_Box_t x, ppl_const_Int64_Box_t y)
- int ppl_Int64_Box_simplify_using_context_assign (ppl_Int64_Box_t x, ppl_const_Int64_Box_t y)
- int ppl_Int64_Box_constrains (ppl_Int64_Box_t ph, ppl_dimension_type var)
- int ppl_Int64_Box_unconstrain_space_dimension (ppl_Int64_Box_t ph, ppl_dimension_type var)
- int ppl_Int64_Box_unconstrain_space_dimensions (ppl_Int64_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Int64_Box_affine_image (ppl_Int64_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Int64_Box_affine_preimage (ppl_Int64_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Int64_Box_bounded_affine_image (ppl_Int64_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Int64_Box_bounded_affine_preimage (ppl_Int64_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Int64_Box_generalized_affine_image (ppl_Int64_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Int64_Box_generalized_affine_preimage (ppl_Int64_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Int64_Box_generalized_affine_image_lhs_rhs (ppl_Int64_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Int64_Box_generalized_affine_preimage_lhs_rhs (ppl_Int64_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Int64_Box_add_space_dimensions_and_embed (ppl_Int64_Box_t ph, ppl_dimension_type d)
- int ppl_Int64_Box_add_space_dimensions_and_project (ppl_Int64_Box_t ph, ppl_dimension_type d)
- int ppl_Int64_Box_remove_space_dimensions (ppl_Int64_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Int64_Box_remove_higher_space_dimensions (ppl_Int64_Box_t ph, ppl_dimension_type d)
- int ppl_Int64_Box_expand_space_dimension (ppl_Int64_Box_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Int64_Box_fold_space_dimensions (ppl_Int64_Box_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Int64_Box_map_space_dimensions (ppl_Int64_Box_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Int64_Box_drop_some_non_integer_points (ppl_Int64_Box_t ph, int complexity)
- int ppl_Int64_Box_drop_some_non_integer_points_2 (ppl_Int64_Box_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Int64_Box_external_memory_in_bytes (ppl_const_Int64_Box_t ps, size_t *sz)
- int ppl_Int64_Box_total_memory_in_bytes (ppl_const_Int64_Box_t ps, size_t *sz)
- int ppl_Int64_Box_CC76_widening_assign_with_tokens (ppl_Int64_Box_t x, ppl_const_Int64_Box_t y, unsigned *tp)

- int ppl_Int64_Box_CC76_widening_assign (ppl_Int64_Box_t x, ppl_const_Int64_Box_t y)
- int ppl_Int64_Box_widening_assign_with_tokens (ppl_Int64_Box_t x, ppl_const_Int64_Box_t y, unsigned *tp)
- int ppl_Int64_Box_widening_assign (ppl_Int64_Box_t x, ppl_const_Int64_Box_t y)
- int ppl_Int64_Box_limited_CC76_extrapolation_assign_with_tokens (ppl_Int64_Box_t x, ppl_const_Int64_Box_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_Int64_Box_limited_CC76_extrapolation_assign (ppl_Int64_Box_t x, ppl_const_Int64_Box_t y, ppl_const_Constraint_System_t cs)
- int ppl_Int64_Box_linear_partition (ppl_const_Int64_Box_t x, ppl_const_Int64_Box_t y, ppl_Int64_Box_t *p_inters, ppl_Pointset_Powerset_NNC_Polyhedron_t *p_rest)
- int ppl_Int64_Box_wrap_assign (ppl_Int64_Box_t ph, ppl_dimension_type ds[ ], size_t n, enum ppl_enum_Bounded_Integer_Type_Width w, enum ppl_enum_Bounded_Integer_Type_Representation r, enum ppl_enum_Bounded_Integer_Type_Overflow o, const ppl_const_Constraint_System_t *pcs, unsigned complexity_threshold, int wrap_individually)
- int ppl_new_Int64_Box_recycle_Constraint_System (ppl_Int64_Box_t *pph, ppl_Constraint_System_t cs)
- int ppl_new_Int64_Box_recycle_Congruence_System (ppl_Int64_Box_t *pph, ppl_Congruence_System_t cs)
- int ppl_new_Int64_Box_recycle_Generator_System (ppl_Int64_Box_t *pph, ppl_Generator_System_t cs)
- int ppl_assign_Int64_Box_from_Int64_Box (ppl_Int64_Box_t dst, ppl_const_Int64_Box_t src)
- int ppl_Int64_Box_add_recycled_constraints (ppl_Int64_Box_t ph, ppl_Constraint_System_t cs)
- int ppl_Int64_Box_add_recycled_congruences (ppl_Int64_Box_t ph, ppl_Congruence_System_t cs)
- int ppl_termination_test_MS_Int64_Box (ppl_const_Int64_Box_t pset)
- int ppl_termination_test_PR_Int64_Box (ppl_const_Int64_Box_t pset)
- int ppl_one_affine_ranking_function_MS_Int64_Box (ppl_const_Int64_Box_t pset, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Int64_Box (ppl_const_Int64_Box_t pset, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Int64_Box (ppl_const_Int64_Box_t pset, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Int64_Box (ppl_const_Int64_Box_t pset, ppl_Polyhedron_t ph)
- int ppl_termination_test_MS_Int64_Box_2 (ppl_const_Int64_Box_t pset_before, ppl_const_Int64_Box_t pset_after)
- int ppl_termination_test_PR_Int64_Box_2 (ppl_const_Int64_Box_t pset_before, ppl_const_Int64_Box_t pset_after)
- int ppl_one_affine_ranking_function_MS_Int64_Box_2 (ppl_const_Int64_Box_t pset_before, ppl_const_Int64_Box_t pset_after, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Int64_Box_2 (ppl_const_Int64_Box_t pset_before, ppl_const_Int64_Box_t pset_after, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Int64_Box_2 (ppl_const_Int64_Box_t pset_before, ppl_const_Int64_Box_t pset_after, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Int64_Box_2 (ppl_const_Int64_Box_t pset_before, ppl_const_Int64_Box_t pset_after, ppl_Polyhedron_t ph)
- int ppl_io_print_Int64_Box (ppl_const_Int64_Box_t x)
- int ppl_io_fprint_Int64_Box (FILE *stream, ppl_const_Int64_Box_t x)
- int ppl_io_asprint_Int64_Box (char **strp, ppl_const_Int64_Box_t x)
- int ppl_Int64_Box_ascii_dump (ppl_const_Int64_Box_t x, FILE *stream)
- int ppl_Int64_Box_ascii_load (ppl_Int64_Box_t x, FILE *stream)

7.34.1 Detailed Description

Types and functions for ppl_Int64_Box_tag.

7.34.2 Friends And Related Function Documentation

7.34.2.1 int ppl_delete_Int64_Box (ppl_const_Int64_Box_t *ph*) [related]

7.34.2.2 int ppl_new_Int64_Box_from_space_dimension (ppl_Int64_Box_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.34.2.3 int ppl_new_Int64_Box_from_Int8_Box (ppl_Int64_Box_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.34.2.4 int ppl_new_Int64_Box_from_Int16_Box (ppl_Int64_Box_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.34.2.5 int ppl_new_Int64_Box_from_Int32_Box (ppl_Int64_Box_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.34.2.6 int ppl_new_Int64_Box_from_Int64_Box (ppl_Int64_Box_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.34.2.7 int ppl_new_Int64_Box_from_Uint8_Box (ppl_Int64_Box_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.34.2.8 int ppl_new_Int64_Box_from_Uint16_Box (ppl_Int64_Box_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.34.2.9 int ppl_new_Int64_Box_from_Uint32_Box (ppl_Int64_Box_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.34.2.10 int ppl_new_Int64_Box_from_Uint64_Box (ppl_Int64_Box_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.34.2.11 int ppl_new_Int64_Box_from_Z_Box (ppl_Int64_Box_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.34.2.12 int ppl_new_Int64_Box_from_Rational_Box (ppl_Int64_Box_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.34.2.13 int ppl_new_Int64_Box_from_BD_Shape_int8_t (ppl_Int64_Box_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.34.2.14 int ppl_new_Int64_Box_from_BD_Shape_int16_t (ppl_Int64_Box_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.34.2.15 int ppl_new_Int64_Box_from_BD_Shape_int32_t (ppl_Int64_Box_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.34.2.16 int ppl_new_Int64_Box_from_BD_Shape_int64_t (ppl_Int64_Box_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.34.2.17 int ppl_new_Int64_Box_from_BD_Shape_mpz_class (ppl_Int64_Box_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.34.2.18 int ppl_new_Int64_Box_from_BD_Shape_mpq_class (ppl_Int64_Box_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.34.2.19 int ppl_new_Int64_Box_from_Octagonal_Shape_int8_t (ppl_Int64_Box_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.34.2.20 int ppl_new_Int64_Box_from_Octagonal_Shape_int16_t (ppl_Int64_Box_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.34.2.21 int ppl_new_Int64_Box_from_Octagonal_Shape_int32_t (ppl_Int64_Box_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.34.2.22 int ppl_new_Int64_Box_from_Octagonal_Shape_int64_t (ppl_Int64_Box_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.34.2.23 int ppl_new_Int64_Box_from_Octagonal_Shape_mpz_class (ppl_Int64_Box_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.34.2.24 int ppl_new_Int64_Box_from_Octagonal_Shape_mpq_class (ppl_Int64_Box_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.34.2.25 int ppl_new_Int64_Box_from_C_Polyhedron (ppl_Int64_Box_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.34.2.26 int ppl_new_Int64_Box_from_NNC_Polyhedron (ppl_Int64_Box_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.34.2.27 int ppl_new_Int64_Box_from_Grid (ppl_Int64_Box_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.34.2.28 int ppl_new_Int64_Box_from_Float_Box (ppl_Int64_Box_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.34.2.29 int ppl_new_Int64_Box_from_BD_Shape_float (ppl_Int64_Box_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.34.2.30 int ppl_new_Int64_Box_from_Octagonal_Shape_float (ppl_Int64_Box_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.34.2.31 int ppl_new_Int64_Box_from_Double_Box (ppl_Int64_Box_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.34.2.32 int ppl_new_Int64_Box_from_BD_Shape_double (ppl_Int64_Box_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.34.2.33 int ppl_new_Int64_Box_from_Octagonal_Shape_double (ppl_Int64_Box_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.34.2.34 int ppl_new_Int64_Box_from_Long_Double_Box (ppl_Int64_Box_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.34.2.35 int ppl_new_Int64_Box_from_BD_Shape_long_double (ppl_Int64_Box_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.34.2.36 int ppl_new_Int64_Box_from_Octagonal_Shape_long_double (ppl_Int64_Box_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.34.2.37 int ppl_new_Int64_Box_from_Int8_Box_with_complexity (ppl_Int64_Box_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.34.2.38 int ppl_new_Int64_Box_from_Int16_Box_with_complexity (ppl_Int64_Box_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.34.2.39 int ppl_new_Int64_Box_from_Int32_Box_with_complexity (ppl_Int64_Box_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.34.2.40 int ppl_new_Int64_Box_from_Int64_Box_with_complexity (ppl_Int64_Box_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.34.2.41 int ppl_new_Int64_Box_from_Uint8_Box_with_complexity (ppl_Int64_Box_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.34.2.42 int ppl_new_Int64_Box_from_Uint16_Box_with_complexity (ppl_Int64_Box_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.34.2.43 int ppl_new_Int64_Box_from_Uint32_Box_with_complexity (ppl_Int64_Box_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.34.2.44 int ppl_new_Int64_Box_from_Uint64_Box_with_complexity (ppl_Int64_Box_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.34.2.45 int ppl_new_Int64_Box_from_Z_Box_with_complexity (ppl_Int64_Box_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.34.2.46 int ppl_new_Int64_Box_from_Rational_Box_with_complexity (ppl_Int64_Box_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.34.2.47 int ppl_new_Int64_Box_from_BD_Shape_int8_t_with_complexity (ppl_Int64_Box_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.34.2.48 int ppl_new_Int64_Box_from_BD_Shape_int16_t_with_complexity (ppl_Int64_Box_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.34.2.49 int ppl_new_Int64_Box_from_BD_Shape_int32_t_with_complexity (ppl_Int64_Box_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.34.2.50 int ppl_new_Int64_Box_from_BD_Shape_int64_t_with_complexity (ppl_Int64_Box_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.34.2.51 int ppl_new_Int64_Box_from_BD_Shape_mpz_class_with_complexity (ppl_Int64_Box_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.34.2.52 int ppl_new_Int64_Box_from_BD_Shape_mpq_class_with_complexity (ppl_Int64_Box_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.34.2.53 int ppl_new_Int64_Box_from_Octagonal_Shape_int8_t_with_complexity (ppl_Int64_Box_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.34.2.54 int ppl_new_Int64_Box_from_Octagonal_Shape_int16_t_with_complexity (ppl_Int64_Box_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.34.2.55 int ppl_new_Int64_Box_from_Octagonal_Shape_int32_t_with_complexity (ppl_Int64_Box_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.34.2.56 int ppl_new_Int64_Box_from_Octagonal_Shape_int64_t_with_complexity (ppl_Int64_Box_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.34.2.57 int ppl_new_Int64_Box_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Int64_Box_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.34.2.58 int ppl_new_Int64_Box_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Int64_Box_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.34.2.59 int ppl_new_Int64_Box_from_C_Polyhedron_with_complexity (ppl_Int64_Box_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.34.2.60 int ppl_new_Int64_Box_from_NNC_Polyhedron_with_complexity (ppl_Int64_Box_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.34.2.61 int ppl_new_Int64_Box_from_Grid_with_complexity (ppl_Int64_Box_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.34.2.62 int ppl_new_Int64_Box_from_Float_Box_with_complexity (ppl_Int64_Box_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.34.2.63 int ppl_new_Int64_Box_from_BD_Shape_float_with_complexity (ppl_Int64_Box_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.34.2.64 int ppl_new_Int64_Box_from_Octagonal_Shape_float_with_complexity (ppl_Int64_Box_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.34.2.65 int ppl_new_Int64_Box_from_Double_Box_with_complexity (ppl_Int64_Box_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.34.2.66 int ppl_new_Int64_Box_from_BD_Shape_double_with_complexity (ppl_Int64_Box_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.34.2.67 int ppl_new_Int64_Box_from_Octagonal_Shape_double_with_complexity (ppl_Int64_Box_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.34.2.68 int ppl_new_Int64_Box_from_Long_Double_Box_with_complexity (ppl_Int64_Box_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.34.2.69 int ppl_new_Int64_Box_from_BD_Shape_long_double_with_complexity (ppl_Int64_Box_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.34.2.70 int ppl_new_Int64_Box_from_Octagonal_Shape_long_double_with_complexity (ppl_Int64_Box_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.34.2.71 int ppl_new_Int64_Box_from_Constraint_System (ppl_Int64_Box_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.34.2.72 int ppl_new_Int64_Box_from_Congruence_System (ppl_Int64_Box_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.34.2.73 int ppl_new_Int64_Box_from_Generator_System (ppl_Int64_Box_t * *pph*, ppl_const_Generator_System_t *cs*) [related]

7.34.2.74 int ppl_Int64_Box_space_dimension (ppl_const_Int64_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.34.2.75 int ppl_Int64_Box_affine_dimension (ppl_const_Int64_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.34.2.76 int ppl_Int64_Box_relation_with_Constraint (ppl_const_Int64_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.34.2.77 int ppl_Int64_Box_relation_with_Generator (ppl_const_Int64_Box_t *ph*, ppl_const_Generator_t *c*) [related]

7.34.2.78 int ppl_Int64_Box_relation_with_Congruence (ppl_const_Int64_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.34.2.79 int ppl_Int64_Box_get_constraints (ppl_const_Int64_Box_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.34.2.80 int ppl_Int64_Box_get_congruences (ppl_const_Int64_Box_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.34.2.81 int ppl_Int64_Box_get_minimized_constraints (ppl_const_Int64_Box_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.34.2.82 int ppl_Int64_Box_get_minimized_congruences (ppl_const_Int64_Box_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.34.2.83 int ppl_Int64_Box_is_empty (ppl_const_Int64_Box_t *ph*) [related]

7.34.2.84 int ppl_Int64_Box_is_universe (ppl_const_Int64_Box_t *ph*) [related]

7.34.2.85 int ppl_Int64_Box_is_bounded (ppl_const_Int64_Box_t *ph*) [related]

7.34.2.86 int ppl_Int64_Box_contains_integer_point (ppl_const_Int64_Box_t *ph*) [related]

7.34.2.87 int ppl_Int64_Box_is_topologically_closed (ppl_const_Int64_Box_t *ph*) [related]

7.34.2.88 int ppl_Int64_Box_is_discrete (ppl_const_Int64_Box_t *ph*) [related]

7.34.2.89 int ppl_Int64_Box_topological_closure_assign (ppl_Int64_Box_t *ph*) [related]

7.34.2.90 int ppl_Int64_Box_bounds_from_above (ppl_const_Int64_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.34.2.91 int ppl_Int64_Box_bounds_from_below (ppl_const_Int64_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.34.2.92 int ppl_Int64_Box_maximize (ppl_const_Int64_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.34.2.93 int ppl_Int64_Box_minimize (ppl_const_Int64_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.34.2.94 int ppl_Int64_Box_maximize_with_point (ppl_const_Int64_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.34.2.95 int ppl_Int64_Box_minimize_with_point (ppl_const_Int64_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.34.2.96 int ppl_Int64_Box_frequency (ppl_const_Int64_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_fn*, ppl_Coefficient_t *ext_fd*, ppl_Coefficient_t *ext_vn*, ppl_Coefficient_t *ext_vd*) [related]

7.34.2.97 int ppl_Int64_Box_contains_Int64_Box (ppl_const_Int64_Box_t *x*, ppl_const_Int64_Box_t *y*) [related]

7.34.2.98 int ppl_Int64_Box_strictly_contains_Int64_Box (ppl_const_Int64_Box_t *x*, ppl_const_Int64_Box_t *y*) [related]

7.34.2.99 int ppl_Int64_Box_is_disjoint_from_Int64_Box (ppl_const_Int64_Box_t *x*, ppl_const_Int64_Box_t *y*) [related]

7.34.2.100 int ppl_Int64_Box_equals_Int64_Box (ppl_const_Int64_Box_t *x*, ppl_const_Int64_Box_t *y*) [related]

7.34.2.101 int ppl_Int64_Box_OK (ppl_const_Int64_Box_t *ph*) [related]

7.34.2.102 int ppl_Int64_Box_add_constraint (ppl_Int64_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.34.2.103 int ppl_Int64_Box_add_congruence (ppl_Int64_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.34.2.104 int ppl_Int64_Box_add_constraints (ppl_Int64_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.34.2.105 int ppl_Int64_Box_add_congruences (ppl_Int64_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.34.2.106 int ppl_Int64_Box_refine_with_constraint (ppl_Int64_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.34.2.107 int ppl_Int64_Box_refine_with_congruence (ppl_Int64_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.34.2.108 int ppl_Int64_Box_refine_with_constraints (ppl_Int64_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.34.2.109 int ppl_Int64_Box_refine_with_congruences (ppl_Int64_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.34.2.110 int ppl_Int64_Box_intersection_assign (ppl_Int64_Box_t *x*, ppl_const_Int64_Box_t *y*) [related]

7.34.2.111 int ppl_Int64_Box_upper_bound_assign (ppl_Int64_Box_t *x*, ppl_const_Int64_Box_t *y*) [related]

7.34.2.112 int ppl_Int64_Box_difference_assign (ppl_Int64_Box_t *x*, ppl_const_Int64_Box_t *y*) [related]

7.34.2.113 int ppl_Int64_Box_concatenate_assign (ppl_Int64_Box_t *x*, ppl_const_Int64_Box_t *y*) [related]

7.34.2.114 int ppl_Int64_Box_time_elapse_assign (ppl_Int64_Box_t *x*, ppl_const_Int64_Box_t *y*) [related]

7.34.2.115 int ppl_Int64_Box_upper_bound_assign_if_exact (ppl_Int64_Box_t *x*, ppl_const_Int64_Box_t *y*) [related]

7.34.2.116 int ppl_Int64_Box_simplify_using_context_assign (ppl_Int64_Box_t *x*, ppl_const_Int64_Box_t *y*) [related]

7.34.2.117 int ppl_Int64_Box_constrains (ppl_Int64_Box_t *ph*, ppl_dimension_type *var*) [related]

7.34.2.118 int ppl_Int64_Box_unconstrain_space_dimension (ppl_Int64_Box_t *ph*, ppl_dimension_type *var*) [related]

7.34.2.119 int ppl_Int64_Box_unconstrain_space_dimensions (ppl_Int64_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.34.2.120 int ppl_Int64_Box_affine_image (ppl_Int64_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.34.2.121 int ppl_Int64_Box_affine_preimage (ppl_Int64_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.34.2.122 int ppl_Int64_Box_bounded_affine_image (ppl_Int64_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.34.2.123 int ppl_Int64_Box_bounded_affine_preimage (ppl_Int64_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.34.2.124 int ppl_Int64_Box_generalized_affine_image (ppl_Int64_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.34.2.125 int ppl_Int64_Box_generalized_affine_preimage (ppl_Int64_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.34.2.126 int ppl_Int64_Box_generalized_affine_image_lhs_rhs (ppl_Int64_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.34.2.127 int ppl_Int64_Box_generalized_affine_preimage_lhs_rhs (ppl_Int64_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.34.2.128 int ppl_Int64_Box_add_space_dimensions_and_embed (ppl_Int64_Box_t *ph*, ppl_dimension_type *d*) [related]

7.34.2.129 int ppl_Int64_Box_add_space_dimensions_and_project (ppl_Int64_Box_t *ph*, ppl_dimension_type *d*) [related]

7.34.2.130 int ppl_Int64_Box_remove_space_dimensions (ppl_Int64_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.34.2.131 int ppl_Int64_Box_remove_higher_space_dimensions (ppl_Int64_Box_t *ph*, ppl_dimension_type *d*) [related]

7.34.2.132 int ppl_Int64_Box_expand_space_dimension (ppl_Int64_Box_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.34.2.133 int ppl_Int64_Box_fold_space_dimensions (ppl_Int64_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.34.2.134 int ppl_Int64_Box_map_space_dimensions (ppl_Int64_Box_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.34.2.135 int ppl_Int64_Box_drop_some_non_integer_points (ppl_Int64_Box_t *ph*, int *complexity*) [related]

7.34.2.136 int ppl_Int64_Box_drop_some_non_integer_points_2 (ppl_Int64_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.34.2.137 int ppl_Int64_Box_external_memory_in_bytes (ppl_const_Int64_Box_t *ps*, size_t * *sz*) [related]

7.34.2.138 int ppl_Int64_Box_total_memory_in_bytes (ppl_const_Int64_Box_t *ps*, size_t * *sz*) [related]

7.34.2.139 int ppl_Int64_Box_CC76_widening_assign_with_tokens (ppl_Int64_Box_t *x*, ppl_const_Int64_Box_t *y*, unsigned * *tp*) [related]

7.34.2.140 int ppl_Int64_Box_CC76_widening_assign (ppl_Int64_Box_t *x*, ppl_const_Int64_Box_t *y*) [related]

7.34.2.141 int ppl_Int64_Box_widening_assign_with_tokens (ppl_Int64_Box_t *x*, ppl_const_Int64_Box_t *y*, unsigned * *tp*) [related]

7.34.2.142 int ppl_Int64_Box_widening_assign (ppl_Int64_Box_t *x*, ppl_const_Int64_Box_t *y*) [related]

7.34.2.143 int ppl_Int64_Box_limited_CC76_extrapolation_assign_with_tokens (ppl_Int64_Box_t *x*, ppl_const_Int64_Box_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.34.2.144 int ppl_Int64_Box_limited_CC76_extrapolation_assign (ppl_Int64_Box_t *x*, ppl_const_Int64_Box_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.34.2.145 int ppl_Int64_Box_linear_partition (ppl_const_Int64_Box_t *x*, ppl_const_Int64_Box_t *y*, ppl_Int64_Box_t * *p_inters*, ppl_Pointset_Powerset_NNC_Polyhedron_t * *p_rest*) [related]

7.34.2.146 int ppl_Int64_Box_wrap_assign (ppl_Int64_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, enum ppl_enum_Bounded_Integer_Type_Width *w*, enum ppl_enum_Bounded_Integer_Type_Representation *r*, enum ppl_enum_Bounded_Integer_Type_Overflow *o*, const ppl_const_Constraint_System_t * *pcs*, unsigned *complexity_threshold*, int *wrap_individually*) [related]

7.34.2.147 int ppl_new_Int64_Box_recycle_Constraint_System (ppl_Int64_Box_t * *pph*, ppl_Constraint_System_t *cs*) [related]

7.34.2.148 int ppl_new_Int64_Box_recycle_Congruence_System (ppl_Int64_Box_t * *pph*, ppl_Congruence_System_t *cs*) [related]

7.34.2.149 int ppl_new_Int64_Box_recycle_Generator_System (ppl_Int64_Box_t * *pph*, ppl_Generator_System_t *cs*) [related]

7.34.2.150 int ppl_assign_Int64_Box_from_Int64_Box (ppl_Int64_Box_t *dst*, ppl_const_Int64_Box_t *src*) [related]

7.34.2.151 int ppl_Int64_Box_add_recycled_constraints (ppl_Int64_Box_t *ph*, ppl_Constraint_System_t *cs*) [related]

7.34.2.152 int ppl_Int64_Box_add_recycled_congruences (ppl_Int64_Box_t *ph*, ppl_Congruence_System_t *cs*) [related]

7.34.2.153 int ppl_termination_test_MS_Int64_Box (ppl_const_Int64_Box_t *pset*) [related]

7.34.2.154 int ppl_termination_test_PR_Int64_Box (ppl_const_Int64_Box_t *pset*) [related]

7.34.2.155 int ppl_one_affine_ranking_function_MS_Int64_Box (ppl_const_Int64_Box_t *pset*, ppl_Generator_t *point*) [related]

7.34.2.156 int ppl_one_affine_ranking_function_PR_Int64_Box (ppl_const_Int64_Box_t *pset*, ppl_Generator_t *point*) [related]

7.34.2.157 int ppl_all_affine_ranking_functions_MS_Int64_Box (ppl_const_Int64_Box_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.34.2.158 int ppl_all_affine_ranking_functions_PR_Int64_Box (ppl_const_Int64_Box_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.34.2.159 int ppl_termination_test_MS_Int64_Box_2 (ppl_const_Int64_Box_t *pset_before*, ppl_const_Int64_Box_t *pset_after*) [related]

7.34.2.160 int ppl_termination_test_PR_Int64_Box_2 (ppl_const_Int64_Box_t *pset_before*, ppl_const_Int64_Box_t *pset_after*) [related]

7.34.2.161 int ppl_one_affine_ranking_function_MS_Int64_Box_2 (ppl_const_Int64_Box_t *pset_before*, ppl_const_Int64_Box_t *pset_after*, ppl_Generator_t *point*) [related]

7.34.2.162 int ppl_one_affine_ranking_function_PR_Int64_Box_2 (ppl_const_Int64_Box_t *pset_before*, ppl_const_Int64_Box_t *pset_after*, ppl_Generator_t *point*) [related]

7.34.2.163 int ppl_all_affine_ranking_functions_MS_Int64_Box_2 (ppl_const_Int64_Box_t *pset_before*, ppl_const_Int64_Box_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.34.2.164 int ppl_all_affine_ranking_functions_PR_Int64_Box_2 (ppl_const_Int64_Box_t *pset_before*, ppl_const_Int64_Box_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.34.2.165 int ppl_io_print_Int64_Box (ppl_const_Int64_Box_t *x*) [related]

7.34.2.166 int ppl_io_fprint_Int64_Box (FILE * *stream*, ppl_const_Int64_Box_t *x*) [related]

7.34.2.167 int ppl_io_asprint_Int64_Box (char ** *strp*, ppl_const_Int64_Box_t *x*) [related]

7.34.2.168 int ppl_Int64_Box_ascii_dump (ppl_const_Int64_Box_t *x*, FILE * *stream*) [related]

7.34.2.169 int ppl_Int64_Box_ascii_load (ppl_Int64_Box_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.35 ppl_Int8_Box_tag Interface Reference

Types and functions for ppl_Int8_Box_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Int8_Box (ppl_const_Int8_Box_t ph)
- int ppl_new_Int8_Box_from_space_dimension (ppl_Int8_Box_t *pph, ppl_dimension_type d, int empty)

- int ppl_new_Int8_Box_from_Int8_Box (ppl_Int8_Box_t *pph, ppl_const_Int8_Box_t ph)
- int ppl_new_Int8_Box_from_Int16_Box (ppl_Int8_Box_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_Int8_Box_from_Int32_Box (ppl_Int8_Box_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_Int8_Box_from_Int64_Box (ppl_Int8_Box_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_Int8_Box_from_Uint8_Box (ppl_Int8_Box_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_Int8_Box_from_Uint16_Box (ppl_Int8_Box_t *pph, ppl_const_Uint16_Box_t ph)
- int ppl_new_Int8_Box_from_Uint32_Box (ppl_Int8_Box_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_Int8_Box_from_Uint64_Box (ppl_Int8_Box_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_Int8_Box_from_Z_Box (ppl_Int8_Box_t *pph, ppl_const_Z_Box_t ph)
- int ppl_new_Int8_Box_from_Rational_Box (ppl_Int8_Box_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_Int8_Box_from_BD_Shape_int8_t (ppl_Int8_Box_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_Int8_Box_from_BD_Shape_int16_t (ppl_Int8_Box_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_Int8_Box_from_BD_Shape_int32_t (ppl_Int8_Box_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_Int8_Box_from_BD_Shape_int64_t (ppl_Int8_Box_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_Int8_Box_from_BD_Shape_mpz_class (ppl_Int8_Box_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_Int8_Box_from_BD_Shape_mpq_class (ppl_Int8_Box_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_Int8_Box_from_Octagonal_Shape_int8_t (ppl_Int8_Box_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_Int8_Box_from_Octagonal_Shape_int16_t (ppl_Int8_Box_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_Int8_Box_from_Octagonal_Shape_int32_t (ppl_Int8_Box_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_Int8_Box_from_Octagonal_Shape_int64_t (ppl_Int8_Box_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_Int8_Box_from_Octagonal_Shape_mpz_class (ppl_Int8_Box_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_Int8_Box_from_Octagonal_Shape_mpq_class (ppl_Int8_Box_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_Int8_Box_from_C_Polyhedron (ppl_Int8_Box_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Int8_Box_from_NNC_Polyhedron (ppl_Int8_Box_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Int8_Box_from_Grid (ppl_Int8_Box_t *pph, ppl_const_Grid_t ph)
- int ppl_new_Int8_Box_from_Float_Box (ppl_Int8_Box_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_Int8_Box_from_BD_Shape_float (ppl_Int8_Box_t *pph, ppl_const_BD_Shape_float_t ph)
- int ppl_new_Int8_Box_from_Octagonal_Shape_float (ppl_Int8_Box_t *pph, ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_Int8_Box_from_Double_Box (ppl_Int8_Box_t *pph, ppl_const_Double_Box_t ph)
- int ppl_new_Int8_Box_from_BD_Shape_double (ppl_Int8_Box_t *pph, ppl_const_BD_Shape_double_t ph)
- int ppl_new_Int8_Box_from_Octagonal_Shape_double (ppl_Int8_Box_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_Int8_Box_from_Long_Double_Box (ppl_Int8_Box_t *pph, ppl_const_Long_Double_Box_t ph)
- int ppl_new_Int8_Box_from_BD_Shape_long_double (ppl_Int8_Box_t *pph, ppl_const_BD_Shape_long_double_t ph)

- int ppl_new_Int8_Box_from_Octagonal_Shape_long_double (ppl_Int8_Box_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_Int8_Box_from_Int8_Box_with_complexity (ppl_Int8_Box_t *pph, ppl_const_Int8_Box_t ph, int complexity)
- int ppl_new_Int8_Box_from_Int16_Box_with_complexity (ppl_Int8_Box_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_Int8_Box_from_Int32_Box_with_complexity (ppl_Int8_Box_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_Int8_Box_from_Int64_Box_with_complexity (ppl_Int8_Box_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_Int8_Box_from_Uint8_Box_with_complexity (ppl_Int8_Box_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_Int8_Box_from_Uint16_Box_with_complexity (ppl_Int8_Box_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_Int8_Box_from_Uint32_Box_with_complexity (ppl_Int8_Box_t *pph, ppl_const_Uint32_Box_t ph, int complexity)
- int ppl_new_Int8_Box_from_Uint64_Box_with_complexity (ppl_Int8_Box_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_Int8_Box_from_Z_Box_with_complexity (ppl_Int8_Box_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_Int8_Box_from_Rational_Box_with_complexity (ppl_Int8_Box_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_Int8_Box_from_BD_Shape_int8_t_with_complexity (ppl_Int8_Box_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)
- int ppl_new_Int8_Box_from_BD_Shape_int16_t_with_complexity (ppl_Int8_Box_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_Int8_Box_from_BD_Shape_int32_t_with_complexity (ppl_Int8_Box_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_Int8_Box_from_BD_Shape_int64_t_with_complexity (ppl_Int8_Box_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_Int8_Box_from_BD_Shape_mpz_class_with_complexity (ppl_Int8_Box_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Int8_Box_from_BD_Shape_mpq_class_with_complexity (ppl_Int8_Box_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Int8_Box_from_Octagonal_Shape_int8_t_with_complexity (ppl_Int8_Box_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_Int8_Box_from_Octagonal_Shape_int16_t_with_complexity (ppl_Int8_Box_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_Int8_Box_from_Octagonal_Shape_int32_t_with_complexity (ppl_Int8_Box_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_Int8_Box_from_Octagonal_Shape_int64_t_with_complexity (ppl_Int8_Box_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_new_Int8_Box_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Int8_Box_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Int8_Box_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Int8_Box_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Int8_Box_from_C_Polyhedron_with_complexity (ppl_Int8_Box_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Int8_Box_from_NNC_Polyhedron_with_complexity (ppl_Int8_Box_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Int8_Box_from_Grid_with_complexity (ppl_Int8_Box_t *pph, ppl_const_Grid_t ph, int complexity)

- int ppl_new_Int8_Box_from_Float_Box_with_complexity (ppl_Int8_Box_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_Int8_Box_from_BD_Shape_float_with_complexity (ppl_Int8_Box_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)
- int ppl_new_Int8_Box_from_Octagonal_Shape_float_with_complexity (ppl_Int8_Box_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_Int8_Box_from_Double_Box_with_complexity (ppl_Int8_Box_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_Int8_Box_from_BD_Shape_double_with_complexity (ppl_Int8_Box_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_Int8_Box_from_Octagonal_Shape_double_with_complexity (ppl_Int8_Box_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_Int8_Box_from_Long_Double_Box_with_complexity (ppl_Int8_Box_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_Int8_Box_from_BD_Shape_long_double_with_complexity (ppl_Int8_Box_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_Int8_Box_from_Octagonal_Shape_long_double_with_complexity (ppl_Int8_Box_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_Int8_Box_from_Constraint_System (ppl_Int8_Box_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Int8_Box_from_Congruence_System (ppl_Int8_Box_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_new_Int8_Box_from_Generator_System (ppl_Int8_Box_t *pph, ppl_const_Generator_System_t cs)
- int ppl_Int8_Box_space_dimension (ppl_const_Int8_Box_t ph, ppl_dimension_type *m)
- int ppl_Int8_Box_affine_dimension (ppl_const_Int8_Box_t ph, ppl_dimension_type *m)
- int ppl_Int8_Box_relation_with_Constraint (ppl_const_Int8_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Int8_Box_relation_with_Generator (ppl_const_Int8_Box_t ph, ppl_const_Generator_t c)
- int ppl_Int8_Box_relation_with_Congruence (ppl_const_Int8_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Int8_Box_get_constraints (ppl_const_Int8_Box_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Int8_Box_get_congruences (ppl_const_Int8_Box_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Int8_Box_get_minimized_constraints (ppl_const_Int8_Box_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Int8_Box_get_minimized_congruences (ppl_const_Int8_Box_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Int8_Box_is_empty (ppl_const_Int8_Box_t ph)
- int ppl_Int8_Box_is_universe (ppl_const_Int8_Box_t ph)
- int ppl_Int8_Box_is_bounded (ppl_const_Int8_Box_t ph)
- int ppl_Int8_Box_contains_integer_point (ppl_const_Int8_Box_t ph)
- int ppl_Int8_Box_is_topologically_closed (ppl_const_Int8_Box_t ph)
- int ppl_Int8_Box_is_discrete (ppl_const_Int8_Box_t ph)
- int ppl_Int8_Box_topological_closure_assign (ppl_Int8_Box_t ph)
- int ppl_Int8_Box_bounds_from_above (ppl_const_Int8_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Int8_Box_bounds_from_below (ppl_const_Int8_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Int8_Box_maximize (ppl_const_Int8_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Int8_Box_minimize (ppl_const_Int8_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)

- int ppl_Int8_Box_maximize_with_point (ppl_const_Int8_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Int8_Box_minimize_with_point (ppl_const_Int8_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Int8_Box_frequency (ppl_const_Int8_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_fn, ppl_Coefficient_t ext_fd, ppl_Coefficient_t ext_vn, ppl_Coefficient_t ext_vd)
- int ppl_Int8_Box_contains_Int8_Box (ppl_const_Int8_Box_t x, ppl_const_Int8_Box_t y)
- int ppl_Int8_Box_strictly_contains_Int8_Box (ppl_const_Int8_Box_t x, ppl_const_Int8_Box_t y)
- int ppl_Int8_Box_is_disjoint_from_Int8_Box (ppl_const_Int8_Box_t x, ppl_const_Int8_Box_t y)
- int ppl_Int8_Box_equals_Int8_Box (ppl_const_Int8_Box_t x, ppl_const_Int8_Box_t y)
- int ppl_Int8_Box_OK (ppl_const_Int8_Box_t ph)
- int ppl_Int8_Box_add_constraint (ppl_Int8_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Int8_Box_add_congruence (ppl_Int8_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Int8_Box_add_constraints (ppl_Int8_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Int8_Box_add_congruences (ppl_Int8_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Int8_Box_refine_with_constraint (ppl_Int8_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Int8_Box_refine_with_congruence (ppl_Int8_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Int8_Box_refine_with_constraints (ppl_Int8_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Int8_Box_refine_with_congruences (ppl_Int8_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Int8_Box_intersection_assign (ppl_Int8_Box_t x, ppl_const_Int8_Box_t y)
- int ppl_Int8_Box_upper_bound_assign (ppl_Int8_Box_t x, ppl_const_Int8_Box_t y)
- int ppl_Int8_Box_difference_assign (ppl_Int8_Box_t x, ppl_const_Int8_Box_t y)
- int ppl_Int8_Box_concatenate_assign (ppl_Int8_Box_t x, ppl_const_Int8_Box_t y)
- int ppl_Int8_Box_time_elapse_assign (ppl_Int8_Box_t x, ppl_const_Int8_Box_t y)
- int ppl_Int8_Box_upper_bound_assign_if_exact (ppl_Int8_Box_t x, ppl_const_Int8_Box_t y)
- int ppl_Int8_Box_simplify_using_context_assign (ppl_Int8_Box_t x, ppl_const_Int8_Box_t y)
- int ppl_Int8_Box_constrains (ppl_Int8_Box_t ph, ppl_dimension_type var)
- int ppl_Int8_Box_unconstrain_space_dimension (ppl_Int8_Box_t ph, ppl_dimension_type var)
- int ppl_Int8_Box_unconstrain_space_dimensions (ppl_Int8_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Int8_Box_affine_image (ppl_Int8_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Int8_Box_affine_preimage (ppl_Int8_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Int8_Box_bounded_affine_image (ppl_Int8_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Int8_Box_bounded_affine_preimage (ppl_Int8_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Int8_Box_generalized_affine_image (ppl_Int8_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Int8_Box_generalized_affine_preimage (ppl_Int8_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Int8_Box_generalized_affine_image_lhs_rhs (ppl_Int8_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Int8_Box_generalized_affine_preimage_lhs_rhs (ppl_Int8_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Int8_Box_add_space_dimensions_and_embed (ppl_Int8_Box_t ph, ppl_dimension_type d)
- int ppl_Int8_Box_add_space_dimensions_and_project (ppl_Int8_Box_t ph, ppl_dimension_type d)

- int ppl_Int8_Box_remove_space_dimensions (ppl_Int8_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Int8_Box_remove_higher_space_dimensions (ppl_Int8_Box_t ph, ppl_dimension_type d)
- int ppl_Int8_Box_expand_space_dimension (ppl_Int8_Box_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Int8_Box_fold_space_dimensions (ppl_Int8_Box_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Int8_Box_map_space_dimensions (ppl_Int8_Box_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Int8_Box_drop_some_non_integer_points (ppl_Int8_Box_t ph, int complexity)
- int ppl_Int8_Box_drop_some_non_integer_points_2 (ppl_Int8_Box_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Int8_Box_external_memory_in_bytes (ppl_const_Int8_Box_t ps, size_t *sz)
- int ppl_Int8_Box_total_memory_in_bytes (ppl_const_Int8_Box_t ps, size_t *sz)
- int ppl_Int8_Box_CC76_widening_assign_with_tokens (ppl_Int8_Box_t x, ppl_const_Int8_Box_t y, unsigned *tp)
- int ppl_Int8_Box_CC76_widening_assign (ppl_Int8_Box_t x, ppl_const_Int8_Box_t y)
- int ppl_Int8_Box_widening_assign_with_tokens (ppl_Int8_Box_t x, ppl_const_Int8_Box_t y, unsigned *tp)
- int ppl_Int8_Box_widening_assign (ppl_Int8_Box_t x, ppl_const_Int8_Box_t y)
- int ppl_Int8_Box_limited_CC76_extrapolation_assign_with_tokens (ppl_Int8_Box_t x, ppl_const_Int8_Box_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_Int8_Box_limited_CC76_extrapolation_assign (ppl_Int8_Box_t x, ppl_const_Int8_Box_t y, ppl_const_Constraint_System_t cs)
- int ppl_Int8_Box_linear_partition (ppl_const_Int8_Box_t x, ppl_const_Int8_Box_t y, ppl_Int8_Box_t *p_inters, ppl_Pointset_Powerset_NNC_Polyhedron_t *p_rest)
- int ppl_Int8_Box_wrap_assign (ppl_Int8_Box_t ph, ppl_dimension_type ds[ ], size_t n, enum ppl_enum_Bounded_Integer_Type_Width w, enum ppl_enum_Bounded_Integer_Type_Representation r, enum ppl_enum_Bounded_Integer_Type_Overflow o, const ppl_const_Constraint_System_t *pcs, unsigned complexity_threshold, int wrap_individually)
- int ppl_new_Int8_Box_recycle_Constraint_System (ppl_Int8_Box_t *pph, ppl_Constraint_System_t cs)
- int ppl_new_Int8_Box_recycle_Congruence_System (ppl_Int8_Box_t *pph, ppl_Congruence_System_t cs)
- int ppl_new_Int8_Box_recycle_Generator_System (ppl_Int8_Box_t *pph, ppl_Generator_System_t cs)
- int ppl_assign_Int8_Box_from_Int8_Box (ppl_Int8_Box_t dst, ppl_const_Int8_Box_t src)
- int ppl_Int8_Box_add_recycled_constraints (ppl_Int8_Box_t ph, ppl_Constraint_System_t cs)
- int ppl_Int8_Box_add_recycled_congruences (ppl_Int8_Box_t ph, ppl_Congruence_System_t cs)
- int ppl_termination_test_MS_Int8_Box (ppl_const_Int8_Box_t pset)
- int ppl_termination_test_PR_Int8_Box (ppl_const_Int8_Box_t pset)
- int ppl_one_affine_ranking_function_MS_Int8_Box (ppl_const_Int8_Box_t pset, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Int8_Box (ppl_const_Int8_Box_t pset, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Int8_Box (ppl_const_Int8_Box_t pset, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Int8_Box (ppl_const_Int8_Box_t pset, ppl_Polyhedron_t ph)
- int ppl_termination_test_MS_Int8_Box_2 (ppl_const_Int8_Box_t pset_before, ppl_const_Int8_Box_t pset_after)

- int ppl_termination_test_PR_Int8_Box_2 (ppl_const_Int8_Box_t pset_before, ppl_const_Int8_Box_t pset_after)
- int ppl_one_affine_ranking_function_MS_Int8_Box_2 (ppl_const_Int8_Box_t pset_before, ppl_const_Int8_Box_t pset_after, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Int8_Box_2 (ppl_const_Int8_Box_t pset_before, ppl_const_Int8_Box_t pset_after, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Int8_Box_2 (ppl_const_Int8_Box_t pset_before, ppl_const_Int8_Box_t pset_after, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Int8_Box_2 (ppl_const_Int8_Box_t pset_before, ppl_const_Int8_Box_t pset_after, ppl_Polyhedron_t ph)
- int ppl_io_print_Int8_Box (ppl_const_Int8_Box_t x)
- int ppl_io_fprint_Int8_Box (FILE *stream, ppl_const_Int8_Box_t x)
- int ppl_io_asprint_Int8_Box (char **strp, ppl_const_Int8_Box_t x)
- int ppl_Int8_Box_ascii_dump (ppl_const_Int8_Box_t x, FILE *stream)
- int ppl_Int8_Box_ascii_load (ppl_Int8_Box_t x, FILE *stream)

7.35.1 Detailed Description

Types and functions for ppl_Int8_Box_tag.

7.35.2 Friends And Related Function Documentation

7.35.2.1 int ppl_delete_Int8_Box (ppl_const_Int8_Box_t *ph*) [related]

7.35.2.2 int ppl_new_Int8_Box_from_space_dimension (ppl_Int8_Box_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.35.2.3 int ppl_new_Int8_Box_from_Int8_Box (ppl_Int8_Box_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.35.2.4 int ppl_new_Int8_Box_from_Int16_Box (ppl_Int8_Box_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.35.2.5 int ppl_new_Int8_Box_from_Int32_Box (ppl_Int8_Box_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.35.2.6 int ppl_new_Int8_Box_from_Int64_Box (ppl_Int8_Box_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.35.2.7 int ppl_new_Int8_Box_from_Uint8_Box (ppl_Int8_Box_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.35.2.8 int ppl_new_Int8_Box_from_Uint16_Box (ppl_Int8_Box_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.35.2.9 int ppl_new_Int8_Box_from_Uint32_Box (ppl_Int8_Box_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.35.2.10 int ppl_new_Int8_Box_from_Uint64_Box (ppl_Int8_Box_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.35.2.11 int ppl_new_Int8_Box_from_Z_Box (ppl_Int8_Box_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.35.2.12 int ppl_new_Int8_Box_from_Rational_Box (ppl_Int8_Box_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.35.2.13 int ppl_new_Int8_Box_from_BD_Shape_int8_t (ppl_Int8_Box_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.35.2.14 int ppl_new_Int8_Box_from_BD_Shape_int16_t (ppl_Int8_Box_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.35.2.15 int ppl_new_Int8_Box_from_BD_Shape_int32_t (ppl_Int8_Box_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.35.2.16 int ppl_new_Int8_Box_from_BD_Shape_int64_t (ppl_Int8_Box_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.35.2.17 int ppl_new_Int8_Box_from_BD_Shape_mpz_class (ppl_Int8_Box_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.35.2.18 int ppl_new_Int8_Box_from_BD_Shape_mpq_class (ppl_Int8_Box_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.35.2.19 int ppl_new_Int8_Box_from_Octagonal_Shape_int8_t (ppl_Int8_Box_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.35.2.20 int ppl_new_Int8_Box_from_Octagonal_Shape_int16_t (ppl_Int8_Box_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.35.2.21 int ppl_new_Int8_Box_from_Octagonal_Shape_int32_t (ppl_Int8_Box_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.35.2.22 int ppl_new_Int8_Box_from_Octagonal_Shape_int64_t (ppl_Int8_Box_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.35.2.23 int ppl_new_Int8_Box_from_Octagonal_Shape_mpz_class (ppl_Int8_Box_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.35.2.24 int ppl_new_Int8_Box_from_Octagonal_Shape_mpq_class (ppl_Int8_Box_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.35.2.25 int ppl_new_Int8_Box_from_C_Polyhedron (ppl_Int8_Box_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.35.2.26 int ppl_new_Int8_Box_from_NNC_Polyhedron (ppl_Int8_Box_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.35.2.27 int ppl_new_Int8_Box_from_Grid (ppl_Int8_Box_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.35.2.28 int ppl_new_Int8_Box_from_Float_Box (ppl_Int8_Box_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.35.2.29 int ppl_new_Int8_Box_from_BD_Shape_float (ppl_Int8_Box_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.35.2.30 int ppl_new_Int8_Box_from_Octagonal_Shape_float (ppl_Int8_Box_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.35.2.31 int ppl_new_Int8_Box_from_Double_Box (ppl_Int8_Box_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.35.2.32 int ppl_new_Int8_Box_from_BD_Shape_double (ppl_Int8_Box_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.35.2.33 int ppl_new_Int8_Box_from_Octagonal_Shape_double (ppl_Int8_Box_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.35.2.34 int ppl_new_Int8_Box_from_Long_Double_Box (ppl_Int8_Box_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.35.2.35 int ppl_new_Int8_Box_from_BD_Shape_long_double (ppl_Int8_Box_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.35.2.36 int ppl_new_Int8_Box_from_Octagonal_Shape_long_double (ppl_Int8_Box_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.35.2.37 int ppl_new_Int8_Box_from_Int8_Box_with_complexity (ppl_Int8_Box_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.35.2.38 int ppl_new_Int8_Box_from_Int16_Box_with_complexity (ppl_Int8_Box_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.35.2.39 int ppl_new_Int8_Box_from_Int32_Box_with_complexity (ppl_Int8_Box_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.35.2.40 int ppl_new_Int8_Box_from_Int64_Box_with_complexity (ppl_Int8_Box_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.35.2.41 int ppl_new_Int8_Box_from_Uint8_Box_with_complexity (ppl_Int8_Box_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.35.2.42 int ppl_new_Int8_Box_from_Uint16_Box_with_complexity (ppl_Int8_Box_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.35.2.43 int ppl_new_Int8_Box_from_Uint32_Box_with_complexity (ppl_Int8_Box_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.35.2.44 int ppl_new_Int8_Box_from_Uint64_Box_with_complexity (ppl_Int8_Box_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.35.2.45 int ppl_new_Int8_Box_from_Z_Box_with_complexity (ppl_Int8_Box_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.35.2.46 int ppl_new_Int8_Box_from_Rational_Box_with_complexity (ppl_Int8_Box_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.35.2.47 int ppl_new_Int8_Box_from_BD_Shape_int8_t_with_complexity (ppl_Int8_Box_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.35.2.48 int ppl_new_Int8_Box_from_BD_Shape_int16_t_with_complexity (ppl_Int8_Box_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.35.2.49 int ppl_new_Int8_Box_from_BD_Shape_int32_t_with_complexity (ppl_Int8_Box_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.35.2.50 int ppl_new_Int8_Box_from_BD_Shape_int64_t_with_complexity (ppl_Int8_Box_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.35.2.51 int ppl_new_Int8_Box_from_BD_Shape_mpz_class_with_complexity (ppl_Int8_Box_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.35.2.52 int ppl_new_Int8_Box_from_BD_Shape_mpq_class_with_complexity (ppl_Int8_Box_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.35.2.53 int ppl_new_Int8_Box_from_Octagonal_Shape_int8_t_with_complexity (ppl_Int8_Box_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.35.2.54 int ppl_new_Int8_Box_from_Octagonal_Shape_int16_t_with_complexity (ppl_Int8_Box_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.35.2.55 int ppl_new_Int8_Box_from_Octagonal_Shape_int32_t_with_complexity (ppl_Int8_Box_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.35.2.56 int ppl_new_Int8_Box_from_Octagonal_Shape_int64_t_with_complexity (ppl_Int8_Box_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.35.2.57 int ppl_new_Int8_Box_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Int8_Box_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.35.2.58 int ppl_new_Int8_Box_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Int8_Box_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.35.2.59 int ppl_new_Int8_Box_from_C_Polyhedron_with_complexity (ppl_Int8_Box_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.35.2.60 int ppl_new_Int8_Box_from_NNC_Polyhedron_with_complexity (ppl_Int8_Box_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.35.2.61 int ppl_new_Int8_Box_from_Grid_with_complexity (ppl_Int8_Box_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.35.2.62 int ppl_new_Int8_Box_from_Float_Box_with_complexity (ppl_Int8_Box_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.35.2.63 int ppl_new_Int8_Box_from_BD_Shape_float_with_complexity (ppl_Int8_Box_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.35.2.64 int ppl_new_Int8_Box_from_Octagonal_Shape_float_with_complexity (ppl_Int8_Box_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.35.2.65 int ppl_new_Int8_Box_from_Double_Box_with_complexity (ppl_Int8_Box_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.35.2.66 int ppl_new_Int8_Box_from_BD_Shape_double_with_complexity (ppl_Int8_Box_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.35.2.67 int ppl_new_Int8_Box_from_Octagonal_Shape_double_with_complexity (ppl_Int8_Box_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.35.2.68 int ppl_new_Int8_Box_from_Long_Double_Box_with_complexity (ppl_Int8_Box_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.35.2.69 int ppl_new_Int8_Box_from_BD_Shape_long_double_with_complexity (ppl_Int8_Box_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.35.2.70 int ppl_new_Int8_Box_from_Octagonal_Shape_long_double_with_complexity (ppl_Int8_Box_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.35.2.71 int ppl_new_Int8_Box_from_Constraint_System (ppl_Int8_Box_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.35.2.72 int ppl_new_Int8_Box_from_Congruence_System (ppl_Int8_Box_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.35.2.73 int ppl_new_Int8_Box_from_Generator_System (ppl_Int8_Box_t * *pph*, ppl_const_Generator_System_t *cs*) [related]

7.35.2.74 int ppl_Int8_Box_space_dimension (ppl_const_Int8_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.35.2.75 int ppl_Int8_Box_affine_dimension (ppl_const_Int8_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.35.2.76 int ppl_Int8_Box_relation_with_Constraint (ppl_const_Int8_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.35.2.77 int ppl_Int8_Box_relation_with_Generator (ppl_const_Int8_Box_t *ph*, ppl_const_Generator_t *c*) [related]

7.35.2.78 int ppl_Int8_Box_relation_with_Congruence (ppl_const_Int8_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.35.2.79 int ppl_Int8_Box_get_constraints (ppl_const_Int8_Box_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.35.2.80 int ppl_Int8_Box_get_congruences (ppl_const_Int8_Box_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.35.2.81 int ppl_Int8_Box_get_minimized_constraints (ppl_const_Int8_Box_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.35.2.82 int ppl_Int8_Box_get_minimized_congruences (ppl_const_Int8_Box_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.35.2.83 int ppl_Int8_Box_is_empty (ppl_const_Int8_Box_t *ph*) [related]

7.35.2.84 int ppl_Int8_Box_is_universe (ppl_const_Int8_Box_t *ph*) [related]

7.35.2.85 int ppl_Int8_Box_is_bounded (ppl_const_Int8_Box_t *ph*) [related]

7.35.2.86 int ppl_Int8_Box_contains_integer_point (ppl_const_Int8_Box_t *ph*) [related]

7.35.2.87 int ppl_Int8_Box_is_topologically_closed (ppl_const_Int8_Box_t *ph*) [related]

7.35.2.88 int ppl_Int8_Box_is_discrete (ppl_const_Int8_Box_t *ph*) [related]

7.35.2.89 int ppl_Int8_Box_topological_closure_assign (ppl_Int8_Box_t *ph*) [related]

7.35.2.90 int ppl_Int8_Box_bounds_from_above (ppl_const_Int8_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.35.2.91 int ppl_Int8_Box_bounds_from_below (ppl_const_Int8_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.35.2.92 int ppl_Int8_Box_maximize (ppl_const_Int8_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.35.2.93 int ppl_Int8_Box_minimize (ppl_const_Int8_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.35.2.94 int ppl_Int8_Box_maximize_with_point (ppl_const_Int8_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.35.2.95 int ppl_Int8_Box_minimize_with_point (ppl_const_Int8_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.35.2.96 int ppl_Int8_Box_frequency (ppl_const_Int8_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_fn*, ppl_Coefficient_t *ext_fd*, ppl_Coefficient_t *ext_vn*, ppl_Coefficient_t *ext_vd*) [related]

7.35.2.97 int ppl_Int8_Box_contains_Int8_Box (ppl_const_Int8_Box_t *x*, ppl_const_Int8_Box_t *y*) [related]

7.35.2.98 int ppl_Int8_Box_strictly_contains_Int8_Box (ppl_const_Int8_Box_t *x*, ppl_const_Int8_Box_t *y*) [related]

7.35.2.99 int ppl_Int8_Box_is_disjoint_from_Int8_Box (ppl_const_Int8_Box_t *x*, ppl_const_Int8_Box_t *y*) [related]

7.35.2.100 int ppl_Int8_Box_equals_Int8_Box (ppl_const_Int8_Box_t *x*, ppl_const_Int8_Box_t *y*) [related]

7.35.2.101 int ppl_Int8_Box_OK (ppl_const_Int8_Box_t *ph*) [related]

7.35.2.102 int ppl_Int8_Box_add_constraint (ppl_Int8_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.35.2.103 int ppl_Int8_Box_add_congruence (ppl_Int8_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.35.2.104 int ppl_Int8_Box_add_constraints (ppl_Int8_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.35.2.105 int ppl_Int8_Box_add_congruences (ppl_Int8_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.35.2.106 int ppl_Int8_Box_refine_with_constraint (ppl_Int8_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.35.2.107 int ppl_Int8_Box_refine_with_congruence (ppl_Int8_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.35.2.108 int ppl_Int8_Box_refine_with_constraints (ppl_Int8_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.35.2.109 int ppl_Int8_Box_refine_with_congruences (ppl_Int8_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.35.2.110 int ppl_Int8_Box_intersection_assign (ppl_Int8_Box_t *x*, ppl_const_Int8_Box_t *y*) [related]

7.35.2.111 int ppl_Int8_Box_upper_bound_assign (ppl_Int8_Box_t *x*, ppl_const_Int8_Box_t *y*) [related]

7.35.2.112 int ppl_Int8_Box_difference_assign (ppl_Int8_Box_t *x*, ppl_const_Int8_Box_t *y*) [related]

7.35.2.113 int ppl_Int8_Box_concatenate_assign (ppl_Int8_Box_t *x*, ppl_const_Int8_Box_t *y*) [related]

7.35.2.114 int ppl_Int8_Box_time_elapse_assign (ppl_Int8_Box_t *x*, ppl_const_Int8_Box_t *y*) [related]

7.35.2.115 int ppl_Int8_Box_upper_bound_assign_if_exact (ppl_Int8_Box_t *x*, ppl_const_Int8_Box_t *y*) [related]

7.35.2.116 int ppl_Int8_Box_simplify_using_context_assign (ppl_Int8_Box_t *x*, ppl_const_Int8_Box_t *y*) [related]

7.35.2.117 int ppl_Int8_Box_constrains (ppl_Int8_Box_t *ph*, ppl_dimension_type *var*) [related]

7.35.2.118 int ppl_Int8_Box_unconstrain_space_dimension (ppl_Int8_Box_t *ph*, ppl_dimension_type *var*) [related]

7.35.2.119 int ppl_Int8_Box_unconstrain_space_dimensions (ppl_Int8_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.35.2.120 int ppl_Int8_Box_affine_image (ppl_Int8_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.35.2.121 int ppl_Int8_Box_affine_preimage (ppl_Int8_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.35.2.122 int ppl_Int8_Box_bounded_affine_image (ppl_Int8_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.35.2.123 int ppl_Int8_Box_bounded_affine_preimage (ppl_Int8_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.35.2.124 int ppl_Int8_Box_generalized_affine_image (ppl_Int8_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.35.2.125 int ppl_Int8_Box_generalized_affine_preimage (ppl_Int8_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.35.2.126 int ppl_Int8_Box_generalized_affine_image_lhs_rhs (ppl_Int8_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.35.2.127 int ppl_Int8_Box_generalized_affine_preimage_lhs_rhs (ppl_Int8_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.35.2.128 int ppl_Int8_Box_add_space_dimensions_and_embed (ppl_Int8_Box_t *ph*, ppl_dimension_type *d*) [related]

7.35.2.129 int ppl_Int8_Box_add_space_dimensions_and_project (ppl_Int8_Box_t *ph*, ppl_dimension_type *d*) [related]

7.35.2.130 int ppl_Int8_Box_remove_space_dimensions (ppl_Int8_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.35.2.131 int ppl_Int8_Box_remove_higher_space_dimensions (ppl_Int8_Box_t *ph*, ppl_dimension_type *d*) [related]

7.35.2.132 int ppl_Int8_Box_expand_space_dimension (ppl_Int8_Box_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.35.2.133 int ppl_Int8_Box_fold_space_dimensions (ppl_Int8_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.35.2.134 int ppl_Int8_Box_map_space_dimensions (ppl_Int8_Box_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.35.2.135 int ppl_Int8_Box_drop_some_non_integer_points (ppl_Int8_Box_t *ph*, int *complexity*) [related]

7.35.2.136 int ppl_Int8_Box_drop_some_non_integer_points_2 (ppl_Int8_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.35.2.137 int ppl_Int8_Box_external_memory_in_bytes (ppl_const_Int8_Box_t *ps*, size_t * *sz*) [related]

7.35.2.138 int ppl_Int8_Box_total_memory_in_bytes (ppl_const_Int8_Box_t *ps*, size_t * *sz*) [related]

7.35.2.139 int ppl_Int8_Box_CC76_widening_assign_with_tokens (ppl_Int8_Box_t *x*, ppl_const_Int8_Box_t *y*, unsigned * *tp*) [related]

7.35.2.140 int ppl_Int8_Box_CC76_widening_assign (ppl_Int8_Box_t *x*, ppl_const_Int8_Box_t *y*) [related]

7.35.2.141 int ppl_Int8_Box_widening_assign_with_tokens (ppl_Int8_Box_t *x*, ppl_const_Int8_Box_t *y*, unsigned * *tp*) [related]

7.35.2.142 int ppl_Int8_Box_widening_assign (ppl_Int8_Box_t *x*, ppl_const_Int8_Box_t *y*) [related]

7.35.2.143 int ppl_Int8_Box_limited_CC76_extrapolation_assign_with_tokens (ppl_Int8_Box_t *x*, ppl_const_Int8_Box_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.35.2.144 int ppl_Int8_Box_limited_CC76_extrapolation_assign (ppl_Int8_Box_t *x*, ppl_const_Int8_Box_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.35.2.145 int ppl_Int8_Box_linear_partition (ppl_const_Int8_Box_t *x*, ppl_const_Int8_Box_t *y*, ppl_Int8_Box_t * *p_inters*, ppl_Pointset_Powerset_NNC_Polyhedron_t * *p_rest*) [related]

7.35.2.146 int ppl_Int8_Box_wrap_assign (ppl_Int8_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, enum ppl_enum_Bounded_Integer_Type_Width *w*, enum ppl_enum_Bounded_Integer_Type_Representation *r*, enum ppl_enum_Bounded_Integer_Type_Overflow *o*, const ppl_const_Constraint_System_t * *pcs*, unsigned *complexity_threshold*, int *wrap_individually*) [related]

7.35.2.147 int ppl_new_Int8_Box_recycle_Constraint_System (ppl_Int8_Box_t * *pph*, ppl_Constraint_System_t *cs*) [related]

7.35.2.148 int ppl_new_Int8_Box_recycle_Congruence_System (ppl_Int8_Box_t * *pph*, ppl_Congruence_System_t *cs*) [related]

7.35.2.149 int ppl_new_Int8_Box_recycle_Generator_System (ppl_Int8_Box_t * *pph*, ppl_Generator_System_t *cs*) [related]

7.35.2.150 int ppl_assign_Int8_Box_from_Int8_Box (ppl_Int8_Box_t *dst*, ppl_const_Int8_Box_t *src*) [related]

7.35.2.151 int ppl_Int8_Box_add_recycled_constraints (ppl_Int8_Box_t *ph*, ppl_Constraint_System_t *cs*) [related]

7.35.2.152 int ppl_Int8_Box_add_recycled_congruences (ppl_Int8_Box_t *ph*, ppl_Congruence_System_t *cs*) [related]

7.35.2.153 int ppl_termination_test_MS_Int8_Box (ppl_const_Int8_Box_t *pset*) [related]

7.35.2.154 int ppl_termination_test_PR_Int8_Box (ppl_const_Int8_Box_t *pset*) [related]

7.35.2.155 int ppl_one_affine_ranking_function_MS_Int8_Box (ppl_const_Int8_Box_t *pset*, ppl_Generator_t *point*) [related]

7.35.2.156 int ppl_one_affine_ranking_function_PR_Int8_Box (ppl_const_Int8_Box_t *pset*, ppl_Generator_t *point*) [related]

7.35.2.157 int ppl_all_affine_ranking_functions_MS_Int8_Box (ppl_const_Int8_Box_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.35.2.158 int ppl_all_affine_ranking_functions_PR_Int8_Box (ppl_const_Int8_Box_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.35.2.159 int ppl_termination_test_MS_Int8_Box_2 (ppl_const_Int8_Box_t *pset_before*, ppl_const_Int8_Box_t *pset_after*) [related]

7.35.2.160 int ppl_termination_test_PR_Int8_Box_2 (ppl_const_Int8_Box_t *pset_before*, ppl_const_Int8_Box_t *pset_after*) [related]

7.35.2.161 int ppl_one_affine_ranking_function_MS_Int8_Box_2 (ppl_const_Int8_Box_t *pset_before*, ppl_const_Int8_Box_t *pset_after*, ppl_Generator_t *point*) [related]

7.35.2.162 int ppl_one_affine_ranking_function_PR_Int8_Box_2 (ppl_const_Int8_Box_t *pset_before*, ppl_const_Int8_Box_t *pset_after*, ppl_Generator_t *point*) [related]

7.35.2.163 int ppl_all_affine_ranking_functions_MS_Int8_Box_2 (ppl_const_Int8_Box_t *pset_before*, ppl_const_Int8_Box_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.35.2.164 int ppl_all_affine_ranking_functions_PR_Int8_Box_2 (ppl_const_Int8_Box_t *pset_before*, ppl_const_Int8_Box_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.35.2.165 int ppl_io_print_Int8_Box (ppl_const_Int8_Box_t *x*) [related]

7.35.2.166 int ppl_io_fprint_Int8_Box (FILE * *stream*, ppl_const_Int8_Box_t *x*) [related]

7.35.2.167 int ppl_io_asprint_Int8_Box (char ** *strp*, ppl_const_Int8_Box_t *x*) [related]

7.35.2.168 int ppl_Int8_Box_ascii_dump (ppl_const_Int8_Box_t *x*, FILE * *stream*) [related]

7.35.2.169 int ppl_Int8_Box_ascii_load (ppl_Int8_Box_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.36 ppl_Linear_Expression_tag Interface Reference

Types and functions for linear expressions.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

Constructors, Assignment and Destructor

- int ppl_new_Linear_Expression (ppl_Linear_Expression_t *ple)

  Creates a new linear expression corresponding to the constant 0 in a zero-dimensional space; writes a handle for the new linear expression at address `ple`.

- int ppl_new_Linear_Expression_with_dimension (ppl_Linear_Expression_t *ple, ppl_dimension_type d)

  Creates a new linear expression corresponding to the constant 0 in a `d`-dimensional space; writes a handle for the new linear expression at address `ple`.

- int ppl_new_Linear_Expression_from_Linear_Expression (ppl_Linear_Expression_t *ple, ppl_const_Linear_Expression_t le)

  Builds a linear expression that is a copy of `le`; writes a handle for the newly created linear expression at address `ple`.

- int ppl_new_Linear_Expression_from_Constraint (ppl_Linear_Expression_t *ple, ppl_const_Constraint_t c)

  Builds a linear expression corresponding to constraint `c`; writes a handle for the newly created linear expression at address `ple`.

- int ppl_new_Linear_Expression_from_Generator (ppl_Linear_Expression_t *ple, ppl_const_Generator_t g)

  Builds a linear expression corresponding to generator `g`; writes a handle for the newly created linear expression at address `ple`.

- int ppl_new_Linear_Expression_from_Congruence (ppl_Linear_Expression_t *ple, ppl_const_Congruence_t c)

  Builds a linear expression corresponding to congruence `c`; writes a handle for the newly created linear expression at address `ple`.

- int ppl_new_Linear_Expression_from_Grid_Generator (ppl_Linear_Expression_t *ple, ppl_const_Grid_Generator_t g)

  Builds a linear expression corresponding to grid generator `g`; writes a handle for the newly created linear expression at address `ple`.

- int ppl_assign_Linear_Expression_from_Linear_Expression (ppl_Linear_Expression_t dst, ppl_const_Linear_Expression_t src)

  Assigns a copy of the linear expression `src` to `dst`.

- int ppl_delete_Linear_Expression (ppl_const_Linear_Expression_t le)

  Invalidates the handle `le`: this makes sure the corresponding resources will eventually be released.

Functions that Do Not Modify the Linear Expression

- int ppl_Linear_Expression_space_dimension (ppl_const_Linear_Expression_t le, ppl_dimension_type *m)

  Writes to `m` the space dimension of `le`.

- int ppl_Linear_Expression_coefficient (ppl_const_Linear_Expression_t le, ppl_dimension_type var, ppl_Coefficient_t n)

  Copies into `n` the coefficient of variable `var` in the linear expression `le`.

- int ppl_Linear_Expression_inhomogeneous_term (ppl_const_Linear_Expression_t le, ppl_Coefficient_t n)

  Copies into `n` the inhomogeneous term of linear expression `le`.

- int ppl_Linear_Expression_OK (ppl_const_Linear_Expression_t le)

  Returns a positive integer if `le` is well formed, i.e., if it satisfies all its implementation invariants; returns 0 and perhaps makes some noise if `le` is broken. Useful for debugging purposes.

- int ppl_Linear_Expression_is_zero (ppl_const_Linear_Expression_t le)

  Returns `true` if and only if `*this` is 0.

- int ppl_Linear_Expression_all_homogeneous_terms_are_zero (ppl_const_Linear_Expression_t le)

  Returns `true` if and only if all the homogeneous terms of `*this` are 0.

Functions that May Modify the Linear Expression

- int ppl_Linear_Expression_add_to_coefficient (ppl_Linear_Expression_t le, ppl_dimension_type var, ppl_const_Coefficient_t n)

  Adds `n` to the coefficient of variable `var` in the linear expression `le`. The space dimension is set to be the maximum between `var` + 1 and the old space dimension.

- int ppl_Linear_Expression_add_to_inhomogeneous (ppl_Linear_Expression_t le, ppl_const_Coefficient_t n)

  Adds `n` to the inhomogeneous term of the linear expression `le`.

- int ppl_add_Linear_Expression_to_Linear_Expression (ppl_Linear_Expression_t dst, ppl_const_Linear_Expression_t src)

  Adds the linear expression `src` to `dst`.

- int ppl_subtract_Linear_Expression_from_Linear_Expression (ppl_Linear_Expression_t dst, ppl_const_Linear_Expression_t src)
  Subtracts the linear expression `src` *from* `dst`.

- int ppl_multiply_Linear_Expression_by_Coefficient (ppl_Linear_Expression_t le, ppl_const_Coefficient_t n)
  Multiply the linear expression `dst` *by* `n`.

Input/Output Functions

- int ppl_io_print_Linear_Expression (ppl_const_Linear_Expression_t x)
  Prints `x` *to* `stdout`.

- int ppl_io_fprint_Linear_Expression (FILE *stream, ppl_const_Linear_Expression_t x)
  Prints `x` *to the given output* `stream`.

- int ppl_io_asprint_Linear_Expression (char **strp, ppl_const_Linear_Expression_t x)
  Prints `x` *to a malloc-allocated string, a pointer to which is returned via* `strp`.

- int ppl_Linear_Expression_ascii_dump (ppl_const_Linear_Expression_t x, FILE *stream)
  Dumps an ascii representation of `x` *on* `stream`.

- int ppl_Linear_Expression_ascii_load (ppl_Linear_Expression_t x, FILE *stream)
  Loads an ascii representation of `x` *from* `stream`.

7.36.1 Detailed Description

Types and functions for linear expressions. The types and functions for linear expression provide an interface towards *Linear_Expression*.

The documentation for this interface was generated from the following file:

- ppl_c.h

7.37 ppl_Long_Double_Box_tag Interface Reference

Types and functions for ppl_Long_Double_Box_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Long_Double_Box (ppl_const_Long_Double_Box_t ph)
- int ppl_new_Long_Double_Box_from_space_dimension (ppl_Long_Double_Box_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Long_Double_Box_from_Int8_Box (ppl_Long_Double_Box_t *pph, ppl_const_Int8_Box_t ph)

- int ppl_new_Long_Double_Box_from_Int16_Box (ppl_Long_Double_Box_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_Long_Double_Box_from_Int32_Box (ppl_Long_Double_Box_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_Long_Double_Box_from_Int64_Box (ppl_Long_Double_Box_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_Long_Double_Box_from_Uint8_Box (ppl_Long_Double_Box_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_Long_Double_Box_from_Uint16_Box (ppl_Long_Double_Box_t *pph, ppl_const_Uint16_Box_t ph)
- int ppl_new_Long_Double_Box_from_Uint32_Box (ppl_Long_Double_Box_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_Long_Double_Box_from_Uint64_Box (ppl_Long_Double_Box_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_Long_Double_Box_from_Z_Box (ppl_Long_Double_Box_t *pph, ppl_const_Z_Box_t ph)
- int ppl_new_Long_Double_Box_from_Rational_Box (ppl_Long_Double_Box_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_Long_Double_Box_from_BD_Shape_int8_t (ppl_Long_Double_Box_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_Long_Double_Box_from_BD_Shape_int16_t (ppl_Long_Double_Box_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_Long_Double_Box_from_BD_Shape_int32_t (ppl_Long_Double_Box_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_Long_Double_Box_from_BD_Shape_int64_t (ppl_Long_Double_Box_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_Long_Double_Box_from_BD_Shape_mpz_class (ppl_Long_Double_Box_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_Long_Double_Box_from_BD_Shape_mpq_class (ppl_Long_Double_Box_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_Long_Double_Box_from_Octagonal_Shape_int8_t (ppl_Long_Double_Box_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_Long_Double_Box_from_Octagonal_Shape_int16_t (ppl_Long_Double_Box_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_Long_Double_Box_from_Octagonal_Shape_int32_t (ppl_Long_Double_Box_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_Long_Double_Box_from_Octagonal_Shape_int64_t (ppl_Long_Double_Box_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_Long_Double_Box_from_Octagonal_Shape_mpz_class (ppl_Long_Double_Box_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_Long_Double_Box_from_Octagonal_Shape_mpq_class (ppl_Long_Double_Box_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_Long_Double_Box_from_C_Polyhedron (ppl_Long_Double_Box_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Long_Double_Box_from_NNC_Polyhedron (ppl_Long_Double_Box_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Long_Double_Box_from_Grid (ppl_Long_Double_Box_t *pph, ppl_const_Grid_t ph)
- int ppl_new_Long_Double_Box_from_Float_Box (ppl_Long_Double_Box_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_Long_Double_Box_from_BD_Shape_float (ppl_Long_Double_Box_t *pph, ppl_const_BD_Shape_float_t ph)

- int ppl_new_Long_Double_Box_from_Octagonal_Shape_float (ppl_Long_Double_Box_t *pph, ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_Long_Double_Box_from_Double_Box (ppl_Long_Double_Box_t *pph, ppl_const_Double_Box_t ph)
- int ppl_new_Long_Double_Box_from_BD_Shape_double (ppl_Long_Double_Box_t *pph, ppl_const_BD_Shape_double_t ph)
- int ppl_new_Long_Double_Box_from_Octagonal_Shape_double (ppl_Long_Double_Box_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_Long_Double_Box_from_Long_Double_Box (ppl_Long_Double_Box_t *pph, ppl_const_Long_Double_Box_t ph)
- int ppl_new_Long_Double_Box_from_BD_Shape_long_double (ppl_Long_Double_Box_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_Long_Double_Box_from_Octagonal_Shape_long_double (ppl_Long_Double_Box_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_Long_Double_Box_from_Int8_Box_with_complexity (ppl_Long_Double_Box_t *pph, ppl_const_Int8_Box_t ph, int complexity)
- int ppl_new_Long_Double_Box_from_Int16_Box_with_complexity (ppl_Long_Double_Box_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_Long_Double_Box_from_Int32_Box_with_complexity (ppl_Long_Double_Box_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_Long_Double_Box_from_Int64_Box_with_complexity (ppl_Long_Double_Box_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_Long_Double_Box_from_Uint8_Box_with_complexity (ppl_Long_Double_Box_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_Long_Double_Box_from_Uint16_Box_with_complexity (ppl_Long_Double_Box_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_Long_Double_Box_from_Uint32_Box_with_complexity (ppl_Long_Double_Box_t *pph, ppl_const_Uint32_Box_t ph, int complexity)
- int ppl_new_Long_Double_Box_from_Uint64_Box_with_complexity (ppl_Long_Double_Box_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_Long_Double_Box_from_Z_Box_with_complexity (ppl_Long_Double_Box_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_Long_Double_Box_from_Rational_Box_with_complexity (ppl_Long_Double_Box_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_Long_Double_Box_from_BD_Shape_int8_t_with_complexity (ppl_Long_Double_Box_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)
- int ppl_new_Long_Double_Box_from_BD_Shape_int16_t_with_complexity (ppl_Long_Double_Box_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_Long_Double_Box_from_BD_Shape_int32_t_with_complexity (ppl_Long_Double_Box_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_Long_Double_Box_from_BD_Shape_int64_t_with_complexity (ppl_Long_Double_Box_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_Long_Double_Box_from_BD_Shape_mpz_class_with_complexity (ppl_Long_Double_Box_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Long_Double_Box_from_BD_Shape_mpq_class_with_complexity (ppl_Long_Double_Box_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Long_Double_Box_from_Octagonal_Shape_int8_t_with_complexity (ppl_Long_Double_Box_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_Long_Double_Box_from_Octagonal_Shape_int16_t_with_complexity (ppl_Long_Double_Box_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_Long_Double_Box_from_Octagonal_Shape_int32_t_with_complexity (ppl_Long_Double_Box_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)

- int ppl_new_Long_Double_Box_from_Octagonal_Shape_int64_t_with_complexity (ppl_Long_Double_Box_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_new_Long_Double_Box_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Long_Double_Box_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Long_Double_Box_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Long_Double_Box_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Long_Double_Box_from_C_Polyhedron_with_complexity (ppl_Long_Double_Box_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Long_Double_Box_from_NNC_Polyhedron_with_complexity (ppl_Long_Double_Box_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Long_Double_Box_from_Grid_with_complexity (ppl_Long_Double_Box_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_Long_Double_Box_from_Float_Box_with_complexity (ppl_Long_Double_Box_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_Long_Double_Box_from_BD_Shape_float_with_complexity (ppl_Long_Double_Box_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)
- int ppl_new_Long_Double_Box_from_Octagonal_Shape_float_with_complexity (ppl_Long_Double_Box_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_Long_Double_Box_from_Double_Box_with_complexity (ppl_Long_Double_Box_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_Long_Double_Box_from_BD_Shape_double_with_complexity (ppl_Long_Double_Box_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_Long_Double_Box_from_Octagonal_Shape_double_with_complexity (ppl_Long_Double_Box_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_Long_Double_Box_from_Long_Double_Box_with_complexity (ppl_Long_Double_Box_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_Long_Double_Box_from_BD_Shape_long_double_with_complexity (ppl_Long_Double_Box_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_Long_Double_Box_from_Octagonal_Shape_long_double_with_complexity (ppl_Long_Double_Box_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_Long_Double_Box_from_Constraint_System (ppl_Long_Double_Box_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Long_Double_Box_from_Congruence_System (ppl_Long_Double_Box_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_new_Long_Double_Box_from_Generator_System (ppl_Long_Double_Box_t *pph, ppl_const_Generator_System_t cs)
- int ppl_Long_Double_Box_space_dimension (ppl_const_Long_Double_Box_t ph, ppl_dimension_type *m)
- int ppl_Long_Double_Box_affine_dimension (ppl_const_Long_Double_Box_t ph, ppl_dimension_type *m)
- int ppl_Long_Double_Box_relation_with_Constraint (ppl_const_Long_Double_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Long_Double_Box_relation_with_Generator (ppl_const_Long_Double_Box_t ph, ppl_const_Generator_t c)
- int ppl_Long_Double_Box_relation_with_Congruence (ppl_const_Long_Double_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Long_Double_Box_get_constraints (ppl_const_Long_Double_Box_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Long_Double_Box_get_congruences (ppl_const_Long_Double_Box_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Long_Double_Box_get_minimized_constraints (ppl_const_Long_Double_Box_t ph, ppl_const_Constraint_System_t *pcs)

- int ppl_Long_Double_Box_get_minimized_congruences (ppl_const_Long_Double_Box_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Long_Double_Box_is_empty (ppl_const_Long_Double_Box_t ph)
- int ppl_Long_Double_Box_is_universe (ppl_const_Long_Double_Box_t ph)
- int ppl_Long_Double_Box_is_bounded (ppl_const_Long_Double_Box_t ph)
- int ppl_Long_Double_Box_contains_integer_point (ppl_const_Long_Double_Box_t ph)
- int ppl_Long_Double_Box_is_topologically_closed (ppl_const_Long_Double_Box_t ph)
- int ppl_Long_Double_Box_is_discrete (ppl_const_Long_Double_Box_t ph)
- int ppl_Long_Double_Box_topological_closure_assign (ppl_Long_Double_Box_t ph)
- int ppl_Long_Double_Box_bounds_from_above (ppl_const_Long_Double_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Long_Double_Box_bounds_from_below (ppl_const_Long_Double_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Long_Double_Box_maximize (ppl_const_Long_Double_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Long_Double_Box_minimize (ppl_const_Long_Double_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Long_Double_Box_maximize_with_point (ppl_const_Long_Double_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Long_Double_Box_minimize_with_point (ppl_const_Long_Double_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Long_Double_Box_frequency (ppl_const_Long_Double_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_fn, ppl_Coefficient_t ext_fd, ppl_Coefficient_t ext_vn, ppl_Coefficient_t ext_vd)
- int ppl_Long_Double_Box_contains_Long_Double_Box (ppl_const_Long_Double_Box_t x, ppl_const_Long_Double_Box_t y)
- int ppl_Long_Double_Box_strictly_contains_Long_Double_Box (ppl_const_Long_Double_Box_t x, ppl_const_Long_Double_Box_t y)
- int ppl_Long_Double_Box_is_disjoint_from_Long_Double_Box (ppl_const_Long_Double_Box_t x, ppl_const_Long_Double_Box_t y)
- int ppl_Long_Double_Box_equals_Long_Double_Box (ppl_const_Long_Double_Box_t x, ppl_const_Long_Double_Box_t y)
- int ppl_Long_Double_Box_OK (ppl_const_Long_Double_Box_t ph)
- int ppl_Long_Double_Box_add_constraint (ppl_Long_Double_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Long_Double_Box_add_congruence (ppl_Long_Double_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Long_Double_Box_add_constraints (ppl_Long_Double_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Long_Double_Box_add_congruences (ppl_Long_Double_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Long_Double_Box_refine_with_constraint (ppl_Long_Double_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Long_Double_Box_refine_with_congruence (ppl_Long_Double_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Long_Double_Box_refine_with_constraints (ppl_Long_Double_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Long_Double_Box_refine_with_congruences (ppl_Long_Double_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Long_Double_Box_intersection_assign (ppl_Long_Double_Box_t x, ppl_const_Long_Double_Box_t y)

- int ppl_Long_Double_Box_upper_bound_assign (ppl_Long_Double_Box_t x, ppl_const_Long_Double_Box_t y)
- int ppl_Long_Double_Box_difference_assign (ppl_Long_Double_Box_t x, ppl_const_Long_Double_Box_t y)
- int ppl_Long_Double_Box_concatenate_assign (ppl_Long_Double_Box_t x, ppl_const_Long_Double_Box_t y)
- int ppl_Long_Double_Box_time_elapse_assign (ppl_Long_Double_Box_t x, ppl_const_Long_Double_Box_t y)
- int ppl_Long_Double_Box_upper_bound_assign_if_exact (ppl_Long_Double_Box_t x, ppl_const_Long_Double_Box_t y)
- int ppl_Long_Double_Box_simplify_using_context_assign (ppl_Long_Double_Box_t x, ppl_const_Long_Double_Box_t y)
- int ppl_Long_Double_Box_constrains (ppl_Long_Double_Box_t ph, ppl_dimension_type var)
- int ppl_Long_Double_Box_unconstrain_space_dimension (ppl_Long_Double_Box_t ph, ppl_dimension_type var)
- int ppl_Long_Double_Box_unconstrain_space_dimensions (ppl_Long_Double_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Long_Double_Box_affine_image (ppl_Long_Double_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Long_Double_Box_affine_preimage (ppl_Long_Double_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Long_Double_Box_bounded_affine_image (ppl_Long_Double_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Long_Double_Box_bounded_affine_preimage (ppl_Long_Double_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Long_Double_Box_generalized_affine_image (ppl_Long_Double_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Long_Double_Box_generalized_affine_preimage (ppl_Long_Double_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Long_Double_Box_generalized_affine_image_lhs_rhs (ppl_Long_Double_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Long_Double_Box_generalized_affine_preimage_lhs_rhs (ppl_Long_Double_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Long_Double_Box_add_space_dimensions_and_embed (ppl_Long_Double_Box_t ph, ppl_dimension_type d)
- int ppl_Long_Double_Box_add_space_dimensions_and_project (ppl_Long_Double_Box_t ph, ppl_dimension_type d)
- int ppl_Long_Double_Box_remove_space_dimensions (ppl_Long_Double_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Long_Double_Box_remove_higher_space_dimensions (ppl_Long_Double_Box_t ph, ppl_dimension_type d)
- int ppl_Long_Double_Box_expand_space_dimension (ppl_Long_Double_Box_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Long_Double_Box_fold_space_dimensions (ppl_Long_Double_Box_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)

- int ppl_Long_Double_Box_map_space_dimensions (ppl_Long_Double_Box_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Long_Double_Box_drop_some_non_integer_points (ppl_Long_Double_Box_t ph, int complexity)
- int ppl_Long_Double_Box_drop_some_non_integer_points_2 (ppl_Long_Double_Box_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Long_Double_Box_external_memory_in_bytes (ppl_const_Long_Double_Box_t ps, size_t *sz)
- int ppl_Long_Double_Box_total_memory_in_bytes (ppl_const_Long_Double_Box_t ps, size_t *sz)
- int ppl_Long_Double_Box_CC76_widening_assign_with_tokens (ppl_Long_Double_Box_t x, ppl_const_Long_Double_Box_t y, unsigned *tp)
- int ppl_Long_Double_Box_CC76_widening_assign (ppl_Long_Double_Box_t x, ppl_const_Long_Double_Box_t y)
- int ppl_Long_Double_Box_widening_assign_with_tokens (ppl_Long_Double_Box_t x, ppl_const_Long_Double_Box_t y, unsigned *tp)
- int ppl_Long_Double_Box_widening_assign (ppl_Long_Double_Box_t x, ppl_const_Long_Double_Box_t y)
- int ppl_Long_Double_Box_limited_CC76_extrapolation_assign_with_tokens (ppl_Long_Double_Box_t x, ppl_const_Long_Double_Box_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_Long_Double_Box_limited_CC76_extrapolation_assign (ppl_Long_Double_Box_t x, ppl_const_Long_Double_Box_t y, ppl_const_Constraint_System_t cs)
- int ppl_Long_Double_Box_linear_partition (ppl_const_Long_Double_Box_t x, ppl_const_Long_Double_Box_t y, ppl_Long_Double_Box_t *p_inters, ppl_Pointset_Powerset_NNC_Polyhedron_t *p_rest)
- int ppl_Long_Double_Box_wrap_assign (ppl_Long_Double_Box_t ph, ppl_dimension_type ds[ ], size_t n, enum ppl_enum_Bounded_Integer_Type_Width w, enum ppl_enum_Bounded_Integer_Type_Representation r, enum ppl_enum_Bounded_Integer_Type_Overflow o, const ppl_const_Constraint_System_t *pcs, unsigned complexity_threshold, int wrap_individually)
- int ppl_new_Long_Double_Box_recycle_Constraint_System (ppl_Long_Double_Box_t *pph, ppl_Constraint_System_t cs)
- int ppl_new_Long_Double_Box_recycle_Congruence_System (ppl_Long_Double_Box_t *pph, ppl_Congruence_System_t cs)
- int ppl_new_Long_Double_Box_recycle_Generator_System (ppl_Long_Double_Box_t *pph, ppl_Generator_System_t cs)
- int ppl_assign_Long_Double_Box_from_Long_Double_Box (ppl_Long_Double_Box_t dst, ppl_const_Long_Double_Box_t src)
- int ppl_Long_Double_Box_add_recycled_constraints (ppl_Long_Double_Box_t ph, ppl_Constraint_System_t cs)
- int ppl_Long_Double_Box_add_recycled_congruences (ppl_Long_Double_Box_t ph, ppl_Congruence_System_t cs)
- int ppl_termination_test_MS_Long_Double_Box (ppl_const_Long_Double_Box_t pset)
- int ppl_termination_test_PR_Long_Double_Box (ppl_const_Long_Double_Box_t pset)
- int ppl_one_affine_ranking_function_MS_Long_Double_Box (ppl_const_Long_Double_Box_t pset, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Long_Double_Box (ppl_const_Long_Double_Box_t pset, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Long_Double_Box (ppl_const_Long_Double_Box_t pset, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Long_Double_Box (ppl_const_Long_Double_Box_t pset, ppl_Polyhedron_t ph)
- int ppl_termination_test_MS_Long_Double_Box_2 (ppl_const_Long_Double_Box_t pset_before, ppl_const_Long_Double_Box_t pset_after)

- int ppl_termination_test_PR_Long_Double_Box_2 (ppl_const_Long_Double_Box_t pset_before, ppl_const_Long_Double_Box_t pset_after)
- int ppl_one_affine_ranking_function_MS_Long_Double_Box_2 (ppl_const_Long_Double_Box_t pset_before, ppl_const_Long_Double_Box_t pset_after, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Long_Double_Box_2 (ppl_const_Long_Double_Box_t pset_before, ppl_const_Long_Double_Box_t pset_after, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Long_Double_Box_2 (ppl_const_Long_Double_Box_t pset_before, ppl_const_Long_Double_Box_t pset_after, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Long_Double_Box_2 (ppl_const_Long_Double_Box_t pset_before, ppl_const_Long_Double_Box_t pset_after, ppl_Polyhedron_t ph)
- int ppl_io_print_Long_Double_Box (ppl_const_Long_Double_Box_t x)
- int ppl_io_fprint_Long_Double_Box (FILE *stream, ppl_const_Long_Double_Box_t x)
- int ppl_io_asprint_Long_Double_Box (char **strp, ppl_const_Long_Double_Box_t x)
- int ppl_Long_Double_Box_ascii_dump (ppl_const_Long_Double_Box_t x, FILE *stream)
- int ppl_Long_Double_Box_ascii_load (ppl_Long_Double_Box_t x, FILE *stream)

7.37.1 Detailed Description

Types and functions for ppl_Long_Double_Box_tag.

7.37.2 Friends And Related Function Documentation

7.37.2.1 int ppl_delete_Long_Double_Box (ppl_const_Long_Double_Box_t *ph*) [related]

7.37.2.2 int ppl_new_Long_Double_Box_from_space_dimension (ppl_Long_Double_Box_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.37.2.3 int ppl_new_Long_Double_Box_from_Int8_Box (ppl_Long_Double_Box_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.37.2.4 int ppl_new_Long_Double_Box_from_Int16_Box (ppl_Long_Double_Box_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.37.2.5 int ppl_new_Long_Double_Box_from_Int32_Box (ppl_Long_Double_Box_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.37.2.6 int ppl_new_Long_Double_Box_from_Int64_Box (ppl_Long_Double_Box_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.37.2.7 int ppl_new_Long_Double_Box_from_Uint8_Box (ppl_Long_Double_Box_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.37.2.8 int ppl_new_Long_Double_Box_from_Uint16_Box (ppl_Long_Double_Box_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.37.2.9 int ppl_new_Long_Double_Box_from_Uint32_Box (ppl_Long_Double_Box_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.37.2.10 int ppl_new_Long_Double_Box_from_Uint64_Box (ppl_Long_Double_Box_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.37.2.11 int ppl_new_Long_Double_Box_from_Z_Box (ppl_Long_Double_Box_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.37.2.12 int ppl_new_Long_Double_Box_from_Rational_Box (ppl_Long_Double_Box_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.37.2.13 int ppl_new_Long_Double_Box_from_BD_Shape_int8_t (ppl_Long_Double_Box_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.37.2.14 int ppl_new_Long_Double_Box_from_BD_Shape_int16_t (ppl_Long_Double_Box_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.37.2.15 int ppl_new_Long_Double_Box_from_BD_Shape_int32_t (ppl_Long_Double_Box_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.37.2.16 int ppl_new_Long_Double_Box_from_BD_Shape_int64_t (ppl_Long_Double_Box_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.37.2.17 int ppl_new_Long_Double_Box_from_BD_Shape_mpz_class (ppl_Long_Double_Box_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.37.2.18 int ppl_new_Long_Double_Box_from_BD_Shape_mpq_class (ppl_Long_Double_Box_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.37.2.19 int ppl_new_Long_Double_Box_from_Octagonal_Shape_int8_t (ppl_Long_Double_Box_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.37.2.20 int ppl_new_Long_Double_Box_from_Octagonal_Shape_int16_t (ppl_Long_Double_Box_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.37.2.21 int ppl_new_Long_Double_Box_from_Octagonal_Shape_int32_t (ppl_Long_Double_Box_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.37.2.22 int ppl_new_Long_Double_Box_from_Octagonal_Shape_int64_t (ppl_Long_Double_Box_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.37.2.23 int ppl_new_Long_Double_Box_from_Octagonal_Shape_mpz_class (ppl_Long_Double_Box_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.37.2.24 int ppl_new_Long_Double_Box_from_Octagonal_Shape_mpq_class (ppl_Long_Double_Box_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.37.2.25 int ppl_new_Long_Double_Box_from_C_Polyhedron (ppl_Long_Double_Box_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.37.2.26 int ppl_new_Long_Double_Box_from_NNC_Polyhedron (ppl_Long_Double_Box_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.37.2.27 int ppl_new_Long_Double_Box_from_Grid (ppl_Long_Double_Box_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.37.2.28 int ppl_new_Long_Double_Box_from_Float_Box (ppl_Long_Double_Box_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.37.2.29 int ppl_new_Long_Double_Box_from_BD_Shape_float (ppl_Long_Double_Box_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.37.2.30 int ppl_new_Long_Double_Box_from_Octagonal_Shape_float (ppl_Long_Double_Box_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.37.2.31 int ppl_new_Long_Double_Box_from_Double_Box (ppl_Long_Double_Box_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.37.2.32 int ppl_new_Long_Double_Box_from_BD_Shape_double (ppl_Long_Double_Box_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.37.2.33 int ppl_new_Long_Double_Box_from_Octagonal_Shape_double (ppl_Long_Double_Box_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.37.2.34 int ppl_new_Long_Double_Box_from_Long_Double_Box (ppl_Long_Double_Box_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.37.2.35 int ppl_new_Long_Double_Box_from_BD_Shape_long_double (ppl_Long_Double_Box_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.37.2.36 int ppl_new_Long_Double_Box_from_Octagonal_Shape_long_double (ppl_Long_Double_Box_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.37.2.37 int ppl_new_Long_Double_Box_from_Int8_Box_with_complexity (ppl_Long_Double_Box_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.37.2.38 int ppl_new_Long_Double_Box_from_Int16_Box_with_complexity (ppl_Long_Double_Box_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.37.2.39 int ppl_new_Long_Double_Box_from_Int32_Box_with_complexity (ppl_Long_Double_Box_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.37.2.40 int ppl_new_Long_Double_Box_from_Int64_Box_with_complexity (ppl_Long_Double_Box_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.37.2.41 int ppl_new_Long_Double_Box_from_Uint8_Box_with_complexity (ppl_Long_Double_Box_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.37.2.42 int ppl_new_Long_Double_Box_from_Uint16_Box_with_complexity (ppl_Long_Double_Box_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.37.2.43 int ppl_new_Long_Double_Box_from_Uint32_Box_with_complexity (ppl_Long_Double_Box_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.37.2.44 int ppl_new_Long_Double_Box_from_Uint64_Box_with_complexity (ppl_Long_Double_Box_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.37.2.45 int ppl_new_Long_Double_Box_from_Z_Box_with_complexity (ppl_Long_Double_Box_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.37.2.46 int ppl_new_Long_Double_Box_from_Rational_Box_with_complexity (ppl_Long_Double_Box_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.37.2.47 int ppl_new_Long_Double_Box_from_BD_Shape_int8_t_with_complexity (ppl_Long_Double_Box_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.37.2.48 int ppl_new_Long_Double_Box_from_BD_Shape_int16_t_with_complexity (ppl_Long_Double_Box_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.37.2.49 int ppl_new_Long_Double_Box_from_BD_Shape_int32_t_with_complexity (ppl_Long_Double_Box_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.37.2.50 int ppl_new_Long_Double_Box_from_BD_Shape_int64_t_with_complexity (ppl_Long_Double_Box_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.37.2.51 int ppl_new_Long_Double_Box_from_BD_Shape_mpz_class_with_complexity (ppl_Long_Double_Box_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.37.2.52 int ppl_new_Long_Double_Box_from_BD_Shape_mpq_class_with_complexity (ppl_Long_Double_Box_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.37.2.53 int ppl_new_Long_Double_Box_from_Octagonal_Shape_int8_t_with_complexity (ppl_Long_Double_Box_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.37.2.54 int ppl_new_Long_Double_Box_from_Octagonal_Shape_int16_t_with_complexity (ppl_Long_Double_Box_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.37.2.55 int ppl_new_Long_Double_Box_from_Octagonal_Shape_int32_t_with_complexity (ppl_Long_Double_Box_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.37.2.56 int ppl_new_Long_Double_Box_from_Octagonal_Shape_int64_t_with_complexity (ppl_Long_Double_Box_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.37.2.57 int ppl_new_Long_Double_Box_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Long_Double_Box_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.37.2.58 int ppl_new_Long_Double_Box_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Long_Double_Box_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.37.2.59 int ppl_new_Long_Double_Box_from_C_Polyhedron_with_complexity (ppl_Long_Double_Box_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.37.2.60 int ppl_new_Long_Double_Box_from_NNC_Polyhedron_with_complexity (ppl_Long_Double_Box_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.37.2.61 int ppl_new_Long_Double_Box_from_Grid_with_complexity (ppl_Long_Double_Box_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.37.2.62 int ppl_new_Long_Double_Box_from_Float_Box_with_complexity (ppl_Long_Double_Box_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.37.2.63 int ppl_new_Long_Double_Box_from_BD_Shape_float_with_complexity (ppl_Long_Double_Box_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.37.2.64 int ppl_new_Long_Double_Box_from_Octagonal_Shape_float_with_complexity (ppl_Long_Double_Box_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.37.2.65 int ppl_new_Long_Double_Box_from_Double_Box_with_complexity (ppl_Long_Double_Box_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.37.2.66 int ppl_new_Long_Double_Box_from_BD_Shape_double_with_complexity (ppl_Long_Double_Box_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.37.2.67 int ppl_new_Long_Double_Box_from_Octagonal_Shape_double_with_complexity (ppl_Long_Double_Box_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.37.2.68 int ppl_new_Long_Double_Box_from_Long_Double_Box_with_complexity (ppl_Long_Double_Box_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.37.2.69 int ppl_new_Long_Double_Box_from_BD_Shape_long_double_with_complexity (ppl_Long_Double_Box_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.37.2.70 int ppl_new_Long_Double_Box_from_Octagonal_Shape_long_double_with_complexity (ppl_Long_Double_Box_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.37.2.71 int ppl_new_Long_Double_Box_from_Constraint_System (ppl_Long_Double_Box_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.37.2.72 int ppl_new_Long_Double_Box_from_Congruence_System (ppl_Long_Double_Box_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.37.2.73 int ppl_new_Long_Double_Box_from_Generator_System (ppl_Long_Double_Box_t * *pph*, ppl_const_Generator_System_t *cs*) [related]

7.37.2.74 int ppl_Long_Double_Box_space_dimension (ppl_const_Long_Double_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.37.2.75 int ppl_Long_Double_Box_affine_dimension (ppl_const_Long_Double_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.37.2.76 int ppl_Long_Double_Box_relation_with_Constraint (ppl_const_Long_Double_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.37.2.77 int ppl_Long_Double_Box_relation_with_Generator (ppl_const_Long_Double_Box_t *ph*, ppl_const_Generator_t *c*) [related]

7.37.2.78 int ppl_Long_Double_Box_relation_with_Congruence (ppl_const_Long_Double_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.37.2.79 int ppl_Long_Double_Box_get_constraints (ppl_const_Long_Double_Box_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.37.2.80 int ppl_Long_Double_Box_get_congruences (ppl_const_Long_Double_Box_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.37.2.81 int ppl_Long_Double_Box_get_minimized_constraints (ppl_const_Long_Double_Box_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.37.2.82 int ppl_Long_Double_Box_get_minimized_congruences (ppl_const_Long_Double_Box_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.37.2.83 int ppl_Long_Double_Box_is_empty (ppl_const_Long_Double_Box_t *ph*) [related]

7.37.2.84 int ppl_Long_Double_Box_is_universe (ppl_const_Long_Double_Box_t *ph*) [related]

7.37.2.85 int ppl_Long_Double_Box_is_bounded (ppl_const_Long_Double_Box_t *ph*) [related]

7.37.2.86 int ppl_Long_Double_Box_contains_integer_point (ppl_const_Long_Double_Box_t *ph*) [related]

7.37.2.87 int ppl_Long_Double_Box_is_topologically_closed (ppl_const_Long_Double_Box_t *ph*) [related]

7.37.2.88 int ppl_Long_Double_Box_is_discrete (ppl_const_Long_Double_Box_t *ph*) [related]

7.37.2.89 int ppl_Long_Double_Box_topological_closure_assign (ppl_Long_Double_Box_t *ph*) [related]

7.37.2.90 int ppl_Long_Double_Box_bounds_from_above (ppl_const_Long_Double_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.37.2.91 int ppl_Long_Double_Box_bounds_from_below (ppl_const_Long_Double_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.37.2.92 int ppl_Long_Double_Box_maximize (ppl_const_Long_Double_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.37.2.93 int ppl_Long_Double_Box_minimize (ppl_const_Long_Double_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.37.2.94 int ppl_Long_Double_Box_maximize_with_point (ppl_const_Long_Double_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.37.2.95 int ppl_Long_Double_Box_minimize_with_point (ppl_const_Long_Double_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.37.2.96 int ppl_Long_Double_Box_frequency (ppl_const_Long_Double_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_fn*, ppl_Coefficient_t *ext_fd*, ppl_Coefficient_t *ext_vn*, ppl_Coefficient_t *ext_vd*) [related]

7.37.2.97 int ppl_Long_Double_Box_contains_Long_Double_Box (ppl_const_Long_Double_Box_t *x*, ppl_const_Long_Double_Box_t *y*) [related]

7.37.2.98 int ppl_Long_Double_Box_strictly_contains_Long_Double_Box (ppl_const_Long_Double_Box_t *x*, ppl_const_Long_Double_Box_t *y*) [related]

7.37.2.99 int ppl_Long_Double_Box_is_disjoint_from_Long_Double_Box (ppl_const_Long_Double_Box_t *x*, ppl_const_Long_Double_Box_t *y*) [related]

7.37.2.100 int ppl_Long_Double_Box_equals_Long_Double_Box (ppl_const_Long_Double_Box_t *x*, ppl_const_Long_Double_Box_t *y*) [related]

7.37.2.101 int ppl_Long_Double_Box_OK (ppl_const_Long_Double_Box_t *ph*) [related]

7.37.2.102 int ppl_Long_Double_Box_add_constraint (ppl_Long_Double_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.37.2.103 int ppl_Long_Double_Box_add_congruence (ppl_Long_Double_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.37.2.104 int ppl_Long_Double_Box_add_constraints (ppl_Long_Double_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.37.2.105 int ppl_Long_Double_Box_add_congruences (ppl_Long_Double_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.37.2.106 int ppl_Long_Double_Box_refine_with_constraint (ppl_Long_Double_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.37.2.107 int ppl_Long_Double_Box_refine_with_congruence (ppl_Long_Double_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.37.2.108 int ppl_Long_Double_Box_refine_with_constraints (ppl_Long_Double_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.37.2.109 int ppl_Long_Double_Box_refine_with_congruences (ppl_Long_Double_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.37.2.110 int ppl_Long_Double_Box_intersection_assign (ppl_Long_Double_Box_t *x*, ppl_const_Long_Double_Box_t *y*) [related]

7.37.2.111 int ppl_Long_Double_Box_upper_bound_assign (ppl_Long_Double_Box_t *x*, ppl_const_Long_Double_Box_t *y*) [related]

7.37.2.112 int ppl_Long_Double_Box_difference_assign (ppl_Long_Double_Box_t *x*, ppl_const_Long_Double_Box_t *y*) [related]

7.37.2.113 int ppl_Long_Double_Box_concatenate_assign (ppl_Long_Double_Box_t *x*, ppl_const_Long_Double_Box_t *y*) [related]

7.37.2.114 int ppl_Long_Double_Box_time_elapse_assign (ppl_Long_Double_Box_t *x*, ppl_const_Long_Double_Box_t *y*) [related]

7.37.2.115 int ppl_Long_Double_Box_upper_bound_assign_if_exact (ppl_Long_Double_Box_t *x*, ppl_const_Long_Double_Box_t *y*) [related]

7.37.2.116 int ppl_Long_Double_Box_simplify_using_context_assign (ppl_Long_Double_Box_t *x*, ppl_const_Long_Double_Box_t *y*) [related]

7.37.2.117 int ppl_Long_Double_Box_constrains (ppl_Long_Double_Box_t *ph*, ppl_dimension_type *var*) [related]

7.37.2.118 int ppl_Long_Double_Box_unconstrain_space_dimension (ppl_Long_Double_Box_t *ph*, ppl_dimension_type *var*) [related]

7.37.2.119 int ppl_Long_Double_Box_unconstrain_space_dimensions (ppl_Long_Double_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.37.2.120 int ppl_Long_Double_Box_affine_image (ppl_Long_Double_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.37.2.121 int ppl_Long_Double_Box_affine_preimage (ppl_Long_Double_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.37.2.122 int ppl_Long_Double_Box_bounded_affine_image (ppl_Long_Double_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.37.2.123 int ppl_Long_Double_Box_bounded_affine_preimage (ppl_Long_Double_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.37.2.124 int ppl_Long_Double_Box_generalized_affine_image (ppl_Long_Double_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.37.2.125 int ppl_Long_Double_Box_generalized_affine_preimage (ppl_Long_Double_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.37.2.126 int ppl_Long_Double_Box_generalized_affine_image_lhs_rhs (ppl_Long_Double_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.37.2.127 int ppl_Long_Double_Box_generalized_affine_preimage_lhs_rhs (ppl_Long_Double_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.37.2.128 int ppl_Long_Double_Box_add_space_dimensions_and_embed (ppl_Long_Double_Box_t *ph*, ppl_dimension_type *d*) [related]

7.37.2.129 int ppl_Long_Double_Box_add_space_dimensions_and_project (ppl_Long_Double_Box_t *ph*, ppl_dimension_type *d*) [related]

7.37.2.130 int ppl_Long_Double_Box_remove_space_dimensions (ppl_Long_Double_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.37.2.131 int ppl_Long_Double_Box_remove_higher_space_dimensions (ppl_Long_Double_Box_t *ph*, ppl_dimension_type *d*) [related]

7.37.2.132 int ppl_Long_Double_Box_expand_space_dimension (ppl_Long_Double_Box_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.37.2.133 int ppl_Long_Double_Box_fold_space_dimensions (ppl_Long_Double_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.37.2.134 int ppl_Long_Double_Box_map_space_dimensions (ppl_Long_Double_Box_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.37.2.135 int ppl_Long_Double_Box_drop_some_non_integer_points (ppl_Long_Double_Box_t *ph*, int *complexity*) [related]

7.37.2.136 int ppl_Long_Double_Box_drop_some_non_integer_points_2 (ppl_Long_Double_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.37.2.137 int ppl_Long_Double_Box_external_memory_in_bytes (ppl_const_Long_Double_Box_t *ps*, size_t * *sz*) [related]

7.37.2.138 int ppl_Long_Double_Box_total_memory_in_bytes (ppl_const_Long_Double_Box_t *ps*, size_t * *sz*) [related]

7.37.2.139 int ppl_Long_Double_Box_CC76_widening_assign_with_tokens (ppl_Long_Double_Box_t *x*, ppl_const_Long_Double_Box_t *y*, unsigned * *tp*) [related]

7.37.2.140 int ppl_Long_Double_Box_CC76_widening_assign (ppl_Long_Double_Box_t *x*, ppl_const_Long_Double_Box_t *y*) [related]

7.37.2.141 int ppl_Long_Double_Box_widening_assign_with_tokens (ppl_Long_Double_Box_t *x*, ppl_const_Long_Double_Box_t *y*, unsigned * *tp*) [related]

7.37.2.142 int ppl_Long_Double_Box_widening_assign (ppl_Long_Double_Box_t *x*, ppl_const_Long_Double_Box_t *y*) [related]

7.37.2.143 int ppl_Long_Double_Box_limited_CC76_extrapolation_assign_with_tokens (ppl_Long_Double_Box_t *x*, ppl_const_Long_Double_Box_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.37.2.144 int ppl_Long_Double_Box_limited_CC76_extrapolation_assign (ppl_Long_Double_Box_t *x*, ppl_const_Long_Double_Box_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.37.2.145 int ppl_Long_Double_Box_linear_partition (ppl_const_Long_Double_Box_t *x*, ppl_const_Long_Double_Box_t *y*, ppl_Long_Double_Box_t * *p_inters*, ppl_Pointset_Powerset_NNC_Polyhedron_t * *p_rest*) [related]

7.37.2.146 int ppl_Long_Double_Box_wrap_assign (ppl_Long_Double_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, enum ppl_enum_Bounded_Integer_Type_Width *w*, enum ppl_enum_Bounded_Integer_Type_Representation *r*, enum ppl_enum_Bounded_Integer_Type_Overflow *o*, const ppl_const_Constraint_System_t * *pcs*, unsigned *complexity_threshold*, int *wrap_individually*) [related]

7.37.2.147 int ppl_new_Long_Double_Box_recycle_Constraint_System (ppl_Long_Double_Box_t * *pph*, ppl_Constraint_System_t *cs*) [related]

7.37.2.148 int ppl_new_Long_Double_Box_recycle_Congruence_System (ppl_Long_Double_Box_t * *pph*, ppl_Congruence_System_t *cs*) [related]

7.37.2.149 int ppl_new_Long_Double_Box_recycle_Generator_System (ppl_Long_Double_Box_t * *pph*, ppl_Generator_System_t *cs*) [related]

7.37.2.150 int ppl_assign_Long_Double_Box_from_Long_Double_Box (ppl_Long_Double_Box_t *dst*, ppl_const_Long_Double_Box_t *src*) [related]

7.37.2.151 int ppl_Long_Double_Box_add_recycled_constraints (ppl_Long_Double_Box_t *ph*, ppl_Constraint_System_t *cs*) [related]

7.37.2.152 int ppl_Long_Double_Box_add_recycled_congruences (ppl_Long_Double_Box_t *ph*, ppl_Congruence_System_t *cs*) [related]

7.37.2.153 int ppl_termination_test_MS_Long_Double_Box (ppl_const_Long_Double_Box_t *pset*) [related]

7.37.2.154 int ppl_termination_test_PR_Long_Double_Box (ppl_const_Long_Double_Box_t *pset*) [related]

7.37.2.155 int ppl_one_affine_ranking_function_MS_Long_Double_Box (ppl_const_Long_Double_Box_t *pset*, ppl_Generator_t *point*) [related]

7.37.2.156 int ppl_one_affine_ranking_function_PR_Long_Double_Box (ppl_const_Long_Double_Box_t *pset*, ppl_Generator_t *point*) [related]

7.37.2.157 int ppl_all_affine_ranking_functions_MS_Long_Double_Box (ppl_const_Long_Double_Box_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.37.2.158 int ppl_all_affine_ranking_functions_PR_Long_Double_Box (ppl_const_Long_Double_Box_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.37.2.159 int ppl_termination_test_MS_Long_Double_Box_2 (ppl_const_Long_Double_Box_t *pset_before*, ppl_const_Long_Double_Box_t *pset_after*) [related]

7.37.2.160 int ppl_termination_test_PR_Long_Double_Box_2 (ppl_const_Long_Double_Box_t *pset_before*, ppl_const_Long_Double_Box_t *pset_after*) [related]

7.37.2.161 int ppl_one_affine_ranking_function_MS_Long_Double_Box_2 (ppl_const_Long_Double_Box_t *pset_before*, ppl_const_Long_Double_Box_t *pset_after*, ppl_Generator_t *point*) [related]

7.37.2.162 int ppl_one_affine_ranking_function_PR_Long_Double_Box_2 (ppl_const_Long_Double_Box_t *pset_before*, ppl_const_Long_Double_Box_t *pset_after*, ppl_Generator_t *point*) [related]

7.37.2.163 int ppl_all_affine_ranking_functions_MS_Long_Double_Box_2 (ppl_const_Long_Double_Box_t *pset_before*, ppl_const_Long_Double_Box_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.37.2.164 int ppl_all_affine_ranking_functions_PR_Long_Double_Box_2 (ppl_const_Long_Double_Box_t *pset_before*, ppl_const_Long_Double_Box_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.37.2.165 int ppl_io_print_Long_Double_Box (ppl_const_Long_Double_Box_t *x*) [related]

7.37.2.166 int ppl_io_fprint_Long_Double_Box (FILE * *stream*, ppl_const_Long_Double_Box_t *x*) [related]

7.37.2.167 int ppl_io_asprint_Long_Double_Box (char ** *strp*, ppl_const_Long_Double_Box_t *x*) [related]

7.37.2.168 int ppl_Long_Double_Box_ascii_dump (ppl_const_Long_Double_Box_t *x*, FILE * *stream*) [related]

7.37.2.169 int ppl_Long_Double_Box_ascii_load (ppl_Long_Double_Box_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.38 ppl_MIP_Problem_tag Interface Reference

Types and functions for MIP problems.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

Symbolic Constants

- int PPL_OPTIMIZATION_MODE_MAXIMIZATION
  Code of the "maximization" optimization mode.
- int PPL_OPTIMIZATION_MODE_MINIMIZATION
  Code of the "minimization" optimization mode.
- int PPL_MIP_PROBLEM_STATUS_UNFEASIBLE
  Code of the "unfeasible MIP problem" status.
- int PPL_MIP_PROBLEM_STATUS_UNBOUNDED
  Code of the "unbounded MIP problem" status.
- int PPL_MIP_PROBLEM_STATUS_OPTIMIZED
  Code of the "optimized MIP problem" status.
- int PPL_MIP_PROBLEM_CONTROL_PARAMETER_NAME_PRICING
  Code for the MIP problem's "pricing" control parameter name.
- int PPL_MIP_PROBLEM_CONTROL_PARAMETER_PRICING_TEXTBOOK
  Code of MIP problem's "textbook" pricing method.
- int PPL_MIP_PROBLEM_CONTROL_PARAMETER_PRICING_STEEPEST_EDGE_EXACT
  Code of MIP problem's "exact steepest-edge" pricing method.
- int PPL_MIP_PROBLEM_CONTROL_PARAMETER_PRICING_STEEPEST_EDGE_FLOAT
  Code of MIP problem's "float steepest-edge" pricing method.

Constructors, Assignment and Destructor

- int ppl_new_MIP_Problem_from_space_dimension (ppl_MIP_Problem_t *pmip, ppl_dimension_type d)
  Builds a trivial MIP problem of dimension `d` and writes a handle to it at address `pmip`.
- int ppl_new_MIP_Problem (ppl_MIP_Problem_t *pmip, ppl_dimension_type d, ppl_const_Constraint_System_t cs, ppl_const_Linear_Expression_t le, int m)
  Builds a MIP problem of space dimension `d` having feasible region `cs`, objective function `le` and optimization mode `m`; writes a handle to it at address `pmip`.

- int ppl_new_MIP_Problem_from_MIP_Problem (ppl_MIP_Problem_t *pmip, ppl_const_MIP_-Problem_t mip)

  Builds a MIP problem that is a copy of `mip`; writes a handle for the newly created system at address `pmip`.

- int ppl_assign_MIP_Problem_from_MIP_Problem (ppl_MIP_Problem_t dst, ppl_const_MIP_-Problem_t src)

  Assigns a copy of the MIP problem `src` to `dst`.

- int ppl_delete_MIP_Problem (ppl_const_MIP_Problem_t mip)

  Invalidates the handle `mip`: this makes sure the corresponding resources will eventually be released.

Functions that Do Not Modify the MIP_Problem

- int ppl_MIP_Problem_space_dimension (ppl_const_MIP_Problem_t mip, ppl_dimension_type *m)

  Writes to `m` the dimension of the vector space enclosing `mip`.

- int ppl_MIP_Problem_number_of_integer_space_dimensions (ppl_const_MIP_Problem_t mip, ppl_dimension_type *m)

  Writes to `m` the number of integer space dimensions of `mip`.

- int ppl_MIP_Problem_integer_space_dimensions (ppl_const_MIP_Problem_t mip, ppl_-dimension_type ds[ ])

  Writes in the first positions of the array `ds` all the integer space dimensions of problem `mip`. If the array is not big enough to hold all of the integer space dimensions, the behavior is undefined.

- int ppl_MIP_Problem_number_of_constraints (ppl_const_MIP_Problem_t mip, ppl_dimension_-type *m)

  Writes to `m` the number of constraints defining the feasible region of `mip`.

- int ppl_MIP_Problem_constraint_at_index (ppl_const_MIP_Problem_t mip, ppl_dimension_type i, ppl_const_Constraint_t *pc)

  Writes at address `pc` a const handle to the `i-th` constraint defining the feasible region of the MIP problem `mip`.

- int ppl_MIP_Problem_objective_function (ppl_const_MIP_Problem_t mip, ppl_const_Linear_-Expression_t *ple)

  Writes a const handle to the linear expression defining the objective function of the MIP problem `mip` at address `ple`.

- int ppl_MIP_Problem_optimization_mode (ppl_const_MIP_Problem_t mip)

  Returns the optimization mode of the MIP problem `mip`.

- int ppl_MIP_Problem_OK (ppl_const_MIP_Problem_t mip)

  Returns a positive integer if `mip` is well formed, i.e., if it satisfies all its implementation invariants; returns 0 and perhaps makes some noise if `mip` is broken. Useful for debugging purposes.

Functions that May Modify the MIP_Problem

- int ppl_MIP_Problem_clear (ppl_MIP_Problem_t mip)

Resets the MIP problem to be a trivial problem of space dimension 0.

- int ppl_MIP_Problem_add_space_dimensions_and_embed (ppl_MIP_Problem_t mip, ppl_dimension_type d)

  Adds `d` new dimensions to the space enclosing the MIP problem `mip` and to `mip` itself.

- int ppl_MIP_Problem_add_to_integer_space_dimensions (ppl_MIP_Problem_t mip, ppl_dimension_type ds[ ], size_t n)

  Sets the space dimensions that are specified in first `n` positions of the array `ds` to be integer dimensions of problem `mip`. The presence of duplicates in `ds` is a waste but an innocuous one.

- int ppl_MIP_Problem_add_constraint (ppl_MIP_Problem_t mip, ppl_const_Constraint_t c)

  Modifies the feasible region of the MIP problem `mip` by adding a copy of the constraint `c`.

- int ppl_MIP_Problem_add_constraints (ppl_MIP_Problem_t mip, ppl_const_Constraint_System_t cs)

  Modifies the feasible region of the MIP problem `mip` by adding a copy of the constraints in `cs`.

- int ppl_MIP_Problem_set_objective_function (ppl_MIP_Problem_t mip, ppl_const_Linear_Expression_t le)

  Sets the objective function of the MIP problem `mip` to a copy of `le`.

- int ppl_MIP_Problem_set_optimization_mode (ppl_MIP_Problem_t mip, int mode)

  Sets the optimization mode of the MIP problem `mip` to `mode`.

Computing the Solution of the MIP_Problem

- int ppl_MIP_Problem_is_satisfiable (ppl_const_MIP_Problem_t mip)

  Returns a positive integer if `mip` is satisfiable; returns 0 otherwise.

- int ppl_MIP_Problem_solve (ppl_const_MIP_Problem_t mip)

  Solves the MIP problem `mip`, returning an exit status.

- int ppl_MIP_Problem_evaluate_objective_function (ppl_const_MIP_Problem_t mip, ppl_const_Generator_t g, ppl_Coefficient_t num, ppl_Coefficient_t den)

  Evaluates the objective function of `mip` on point `g`.

- int ppl_MIP_Problem_feasible_point (ppl_const_MIP_Problem_t mip, ppl_const_Generator_t *pg)

  Writes a const handle to a feasible point for the MIP problem `mip` at address `pg`.

- int ppl_MIP_Problem_optimizing_point (ppl_const_MIP_Problem_t mip, ppl_const_Generator_t *pg)

  Writes a const handle to an optimizing point for the MIP problem `mip` at address `pg`.

- int ppl_MIP_Problem_optimal_value (ppl_const_MIP_Problem_t mip, ppl_Coefficient_t num, ppl_Coefficient_t den)

  Returns the optimal value for `mip`.

Querying/Setting Control Parameters

- int ppl_MIP_Problem_get_control_parameter (ppl_const_MIP_Problem_t mip, int name)

Returns the value of control parameter `name` *in problem* `mip`.

- int ppl_MIP_Problem_set_control_parameter (ppl_MIP_Problem_t mip, int value)
  Sets control parameter `value` *in problem* `mip`.
- int ppl_MIP_Problem_total_memory_in_bytes (ppl_const_MIP_Problem_t mip, size_t *sz)
  Writes into `*sz` *the size in bytes of the memory occupied by* `mip`.
- int ppl_MIP_Problem_external_memory_in_bytes (ppl_const_MIP_Problem_t mip, size_t *sz)
  Writes into `*sz` *the size in bytes of the memory managed by* `mip`.

Input/Output Functions

- int ppl_io_print_MIP_Problem (ppl_const_MIP_Problem_t x)
  Prints `x` *to* `stdout`.
- int ppl_io_fprint_MIP_Problem (FILE *stream, ppl_const_MIP_Problem_t x)
  Prints `x` *to the given output* `stream`.
- int ppl_io_asprint_MIP_Problem (char **strp, ppl_const_MIP_Problem_t x)
  Prints `x` *to a malloc-allocated string, a pointer to which is returned via* `strp`.
- int ppl_MIP_Problem_ascii_dump (ppl_const_MIP_Problem_t x, FILE *stream)
  Dumps an ascii representation of `x` *on* `stream`.
- int ppl_MIP_Problem_ascii_load (ppl_MIP_Problem_t x, FILE *stream)
  Loads an ascii representation of `x` *from* `stream`.

7.38.1 Detailed Description

Types and functions for MIP problems. The types and functions for MIP problems provide an interface towards *MIP_Problem*.

7.38.2 Friends And Related Function Documentation

7.38.2.1 int ppl_MIP_Problem_solve (ppl_const_MIP_Problem_t *mip*) [related]

Solves the MIP problem `mip`, returning an exit status.

Returns

`PPL_MIP_PROBLEM_STATUS_UNFEASIBLE` if the MIP problem is not satisfiable; `PPL_MIP_PROBLEM_STATUS_UNBOUNDED` if the MIP problem is satisfiable but there is no finite bound to the value of the objective function; `PPL_MIP_PROBLEM_STATUS_OPTIMIZED` if the MIP problem admits an optimal solution.

7.38.2.2 int ppl_MIP_Problem_evaluate_objective_function (ppl_const_MIP_Problem_t *mip*, ppl_const_Generator_t *g*, ppl_Coefficient_t *num*, ppl_Coefficient_t *den*) [related]

Evaluates the objective function of `mip` on point `g`.

Parameters

mip The MIP problem defining the objective function;

g The generator on which the objective function will be evaluated;

num Will be assigned the numerator of the objective function value;

den Will be assigned the denominator of the objective function value;

7.38.2.3 int ppl_MIP_Problem_optimal_value (ppl_const_MIP_Problem_t *mip*, ppl_Coefficient_t *num*, ppl_Coefficient_t *den*) [related]

Returns the optimal value for `mip`.

Parameters

mip The MIP problem;

num Will be assigned the numerator of the optimal value;

den Will be assigned the denominator of the optimal value.

The documentation for this interface was generated from the following file:

- ppl_c.h

7.39 ppl_Octagonal_Shape_double_tag Interface Reference

Types and functions for ppl_Octagonal_Shape_double_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Octagonal_Shape_double (ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_Octagonal_Shape_double_from_space_dimension (ppl_Octagonal_Shape_double_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Octagonal_Shape_double_from_Int8_Box (ppl_Octagonal_Shape_double_t *pph, ppl_const_Int8_Box_t ph)
- int ppl_new_Octagonal_Shape_double_from_Int16_Box (ppl_Octagonal_Shape_double_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_Octagonal_Shape_double_from_Int32_Box (ppl_Octagonal_Shape_double_t *pph, ppl_const_Int32_Box_t ph)

- int ppl_new_Octagonal_Shape_double_from_Int64_Box (ppl_Octagonal_Shape_double_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_Octagonal_Shape_double_from_Uint8_Box (ppl_Octagonal_Shape_double_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_Octagonal_Shape_double_from_Uint16_Box (ppl_Octagonal_Shape_double_t *pph, ppl_const_Uint16_Box_t ph)
- int ppl_new_Octagonal_Shape_double_from_Uint32_Box (ppl_Octagonal_Shape_double_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_Octagonal_Shape_double_from_Uint64_Box (ppl_Octagonal_Shape_double_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_Octagonal_Shape_double_from_Z_Box (ppl_Octagonal_Shape_double_t *pph, ppl_const_Z_Box_t ph)
- int ppl_new_Octagonal_Shape_double_from_Rational_Box (ppl_Octagonal_Shape_double_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_Octagonal_Shape_double_from_BD_Shape_int8_t (ppl_Octagonal_Shape_double_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_Octagonal_Shape_double_from_BD_Shape_int16_t (ppl_Octagonal_Shape_double_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_Octagonal_Shape_double_from_BD_Shape_int32_t (ppl_Octagonal_Shape_double_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_Octagonal_Shape_double_from_BD_Shape_int64_t (ppl_Octagonal_Shape_double_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_Octagonal_Shape_double_from_BD_Shape_mpz_class (ppl_Octagonal_Shape_double_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_Octagonal_Shape_double_from_BD_Shape_mpq_class (ppl_Octagonal_Shape_double_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_Octagonal_Shape_double_from_Octagonal_Shape_int8_t (ppl_Octagonal_Shape_double_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_Octagonal_Shape_double_from_Octagonal_Shape_int16_t (ppl_Octagonal_Shape_double_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_Octagonal_Shape_double_from_Octagonal_Shape_int32_t (ppl_Octagonal_Shape_double_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_Octagonal_Shape_double_from_Octagonal_Shape_int64_t (ppl_Octagonal_Shape_double_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_Octagonal_Shape_double_from_Octagonal_Shape_mpz_class (ppl_Octagonal_Shape_double_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_Octagonal_Shape_double_from_Octagonal_Shape_mpq_class (ppl_Octagonal_Shape_double_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_Octagonal_Shape_double_from_C_Polyhedron (ppl_Octagonal_Shape_double_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Octagonal_Shape_double_from_NNC_Polyhedron (ppl_Octagonal_Shape_double_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Octagonal_Shape_double_from_Grid (ppl_Octagonal_Shape_double_t *pph, ppl_const_Grid_t ph)
- int ppl_new_Octagonal_Shape_double_from_Float_Box (ppl_Octagonal_Shape_double_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_Octagonal_Shape_double_from_BD_Shape_float (ppl_Octagonal_Shape_double_t *pph, ppl_const_BD_Shape_float_t ph)
- int ppl_new_Octagonal_Shape_double_from_Octagonal_Shape_float (ppl_Octagonal_Shape_double_t *pph, ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_Octagonal_Shape_double_from_Double_Box (ppl_Octagonal_Shape_double_t *pph, ppl_const_Double_Box_t ph)

- int ppl_new_Octagonal_Shape_double_from_BD_Shape_double (ppl_Octagonal_Shape_double_-t *pph, ppl_const_BD_Shape_double_t ph)
- int ppl_new_Octagonal_Shape_double_from_Octagonal_Shape_double (ppl_Octagonal_Shape_-double_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_Octagonal_Shape_double_from_Long_Double_Box (ppl_Octagonal_Shape_double_-t *pph, ppl_const_Long_Double_Box_t ph)
- int ppl_new_Octagonal_Shape_double_from_BD_Shape_long_double (ppl_Octagonal_Shape_-double_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_Octagonal_Shape_double_from_Octagonal_Shape_long_double (ppl_Octagonal_-Shape_double_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_Octagonal_Shape_double_from_Int8_Box_with_complexity (ppl_Octagonal_Shape_-double_t *pph, ppl_const_Int8_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_double_from_Int16_Box_with_complexity (ppl_Octagonal_-Shape_double_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_double_from_Int32_Box_with_complexity (ppl_Octagonal_-Shape_double_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_double_from_Int64_Box_with_complexity (ppl_Octagonal_-Shape_double_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_double_from_Uint8_Box_with_complexity (ppl_Octagonal_-Shape_double_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_double_from_Uint16_Box_with_complexity (ppl_Octagonal_-Shape_double_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_double_from_Uint32_Box_with_complexity (ppl_Octagonal_-Shape_double_t *pph, ppl_const_Uint32_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_double_from_Uint64_Box_with_complexity (ppl_Octagonal_-Shape_double_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_double_from_Z_Box_with_complexity (ppl_Octagonal_Shape_-double_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_double_from_Rational_Box_with_complexity (ppl_Octagonal_-Shape_double_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_double_from_BD_Shape_int8_t_with_complexity (ppl_-Octagonal_Shape_double_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_double_from_BD_Shape_int16_t_with_complexity (ppl_-Octagonal_Shape_double_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_double_from_BD_Shape_int32_t_with_complexity (ppl_-Octagonal_Shape_double_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_double_from_BD_Shape_int64_t_with_complexity (ppl_-Octagonal_Shape_double_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_double_from_BD_Shape_mpz_class_with_complexity (ppl_-Octagonal_Shape_double_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Octagonal_Shape_double_from_BD_Shape_mpq_class_with_complexity (ppl_-Octagonal_Shape_double_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Octagonal_Shape_double_from_Octagonal_Shape_int8_t_with_complexity (ppl_-Octagonal_Shape_double_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_double_from_Octagonal_Shape_int16_t_with_complexity (ppl_-Octagonal_Shape_double_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_double_from_Octagonal_Shape_int32_t_with_complexity (ppl_-Octagonal_Shape_double_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_double_from_Octagonal_Shape_int64_t_with_complexity (ppl_-Octagonal_Shape_double_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)

- int ppl_new_Octagonal_Shape_double_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Octagonal_Shape_double_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Octagonal_Shape_double_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Octagonal_Shape_double_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Octagonal_Shape_double_from_C_Polyhedron_with_complexity (ppl_Octagonal_Shape_double_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Octagonal_Shape_double_from_NNC_Polyhedron_with_complexity (ppl_Octagonal_Shape_double_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Octagonal_Shape_double_from_Grid_with_complexity (ppl_Octagonal_Shape_double_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_Octagonal_Shape_double_from_Float_Box_with_complexity (ppl_Octagonal_Shape_double_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_double_from_BD_Shape_float_with_complexity (ppl_Octagonal_Shape_double_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)
- int ppl_new_Octagonal_Shape_double_from_Octagonal_Shape_float_with_complexity (ppl_Octagonal_Shape_double_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_Octagonal_Shape_double_from_Double_Box_with_complexity (ppl_Octagonal_Shape_double_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_double_from_BD_Shape_double_with_complexity (ppl_Octagonal_Shape_double_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_Octagonal_Shape_double_from_Octagonal_Shape_double_with_complexity (ppl_Octagonal_Shape_double_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_Octagonal_Shape_double_from_Long_Double_Box_with_complexity (ppl_Octagonal_Shape_double_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_double_from_BD_Shape_long_double_with_complexity (ppl_Octagonal_Shape_double_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_Octagonal_Shape_double_from_Octagonal_Shape_long_double_with_complexity (ppl_Octagonal_Shape_double_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_Octagonal_Shape_double_from_Constraint_System (ppl_Octagonal_Shape_double_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Octagonal_Shape_double_from_Congruence_System (ppl_Octagonal_Shape_double_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_new_Octagonal_Shape_double_from_Generator_System (ppl_Octagonal_Shape_double_t *pph, ppl_const_Generator_System_t cs)
- int ppl_Octagonal_Shape_double_space_dimension (ppl_const_Octagonal_Shape_double_t ph, ppl_dimension_type *m)
- int ppl_Octagonal_Shape_double_affine_dimension (ppl_const_Octagonal_Shape_double_t ph, ppl_dimension_type *m)
- int ppl_Octagonal_Shape_double_relation_with_Constraint (ppl_const_Octagonal_Shape_double_t ph, ppl_const_Constraint_t c)
- int ppl_Octagonal_Shape_double_relation_with_Generator (ppl_const_Octagonal_Shape_double_t ph, ppl_const_Generator_t c)
- int ppl_Octagonal_Shape_double_relation_with_Congruence (ppl_const_Octagonal_Shape_double_t ph, ppl_const_Congruence_t c)
- int ppl_Octagonal_Shape_double_get_constraints (ppl_const_Octagonal_Shape_double_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Octagonal_Shape_double_get_congruences (ppl_const_Octagonal_Shape_double_t ph, ppl_const_Congruence_System_t *pcs)

- int ppl_Octagonal_Shape_double_get_minimized_constraints (ppl_const_Octagonal_Shape_double_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Octagonal_Shape_double_get_minimized_congruences (ppl_const_Octagonal_Shape_double_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Octagonal_Shape_double_is_empty (ppl_const_Octagonal_Shape_double_t ph)
- int ppl_Octagonal_Shape_double_is_universe (ppl_const_Octagonal_Shape_double_t ph)
- int ppl_Octagonal_Shape_double_is_bounded (ppl_const_Octagonal_Shape_double_t ph)
- int ppl_Octagonal_Shape_double_contains_integer_point (ppl_const_Octagonal_Shape_double_t ph)
- int ppl_Octagonal_Shape_double_is_topologically_closed (ppl_const_Octagonal_Shape_double_t ph)
- int ppl_Octagonal_Shape_double_is_discrete (ppl_const_Octagonal_Shape_double_t ph)
- int ppl_Octagonal_Shape_double_topological_closure_assign (ppl_Octagonal_Shape_double_t ph)
- int ppl_Octagonal_Shape_double_bounds_from_above (ppl_const_Octagonal_Shape_double_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Octagonal_Shape_double_bounds_from_below (ppl_const_Octagonal_Shape_double_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Octagonal_Shape_double_maximize (ppl_const_Octagonal_Shape_double_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Octagonal_Shape_double_minimize (ppl_const_Octagonal_Shape_double_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Octagonal_Shape_double_maximize_with_point (ppl_const_Octagonal_Shape_double_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Octagonal_Shape_double_minimize_with_point (ppl_const_Octagonal_Shape_double_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Octagonal_Shape_double_frequency (ppl_const_Octagonal_Shape_double_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_fn, ppl_Coefficient_t ext_fd, ppl_Coefficient_t ext_vn, ppl_Coefficient_t ext_vd)
- int ppl_Octagonal_Shape_double_contains_Octagonal_Shape_double (ppl_const_Octagonal_Shape_double_t x, ppl_const_Octagonal_Shape_double_t y)
- int ppl_Octagonal_Shape_double_strictly_contains_Octagonal_Shape_double (ppl_const_Octagonal_Shape_double_t x, ppl_const_Octagonal_Shape_double_t y)
- int ppl_Octagonal_Shape_double_is_disjoint_from_Octagonal_Shape_double (ppl_const_Octagonal_Shape_double_t x, ppl_const_Octagonal_Shape_double_t y)
- int ppl_Octagonal_Shape_double_equals_Octagonal_Shape_double (ppl_const_Octagonal_Shape_double_t x, ppl_const_Octagonal_Shape_double_t y)
- int ppl_Octagonal_Shape_double_OK (ppl_const_Octagonal_Shape_double_t ph)
- int ppl_Octagonal_Shape_double_add_constraint (ppl_Octagonal_Shape_double_t ph, ppl_const_Constraint_t c)
- int ppl_Octagonal_Shape_double_add_congruence (ppl_Octagonal_Shape_double_t ph, ppl_const_Congruence_t c)
- int ppl_Octagonal_Shape_double_add_constraints (ppl_Octagonal_Shape_double_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Octagonal_Shape_double_add_congruences (ppl_Octagonal_Shape_double_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Octagonal_Shape_double_refine_with_constraint (ppl_Octagonal_Shape_double_t ph, ppl_const_Constraint_t c)
- int ppl_Octagonal_Shape_double_refine_with_congruence (ppl_Octagonal_Shape_double_t ph, ppl_const_Congruence_t c)

- int ppl_Octagonal_Shape_double_refine_with_constraints (ppl_Octagonal_Shape_double_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Octagonal_Shape_double_refine_with_congruences (ppl_Octagonal_Shape_double_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Octagonal_Shape_double_intersection_assign (ppl_Octagonal_Shape_double_t x, ppl_const_Octagonal_Shape_double_t y)
- int ppl_Octagonal_Shape_double_upper_bound_assign (ppl_Octagonal_Shape_double_t x, ppl_const_Octagonal_Shape_double_t y)
- int ppl_Octagonal_Shape_double_difference_assign (ppl_Octagonal_Shape_double_t x, ppl_const_Octagonal_Shape_double_t y)
- int ppl_Octagonal_Shape_double_concatenate_assign (ppl_Octagonal_Shape_double_t x, ppl_const_Octagonal_Shape_double_t y)
- int ppl_Octagonal_Shape_double_time_elapse_assign (ppl_Octagonal_Shape_double_t x, ppl_const_Octagonal_Shape_double_t y)
- int ppl_Octagonal_Shape_double_upper_bound_assign_if_exact (ppl_Octagonal_Shape_double_t x, ppl_const_Octagonal_Shape_double_t y)
- int ppl_Octagonal_Shape_double_simplify_using_context_assign (ppl_Octagonal_Shape_double_t x, ppl_const_Octagonal_Shape_double_t y)
- int ppl_Octagonal_Shape_double_constrains (ppl_Octagonal_Shape_double_t ph, ppl_dimension_type var)
- int ppl_Octagonal_Shape_double_unconstrain_space_dimension (ppl_Octagonal_Shape_double_t ph, ppl_dimension_type var)
- int ppl_Octagonal_Shape_double_unconstrain_space_dimensions (ppl_Octagonal_Shape_double_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Octagonal_Shape_double_affine_image (ppl_Octagonal_Shape_double_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_double_affine_preimage (ppl_Octagonal_Shape_double_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_double_bounded_affine_image (ppl_Octagonal_Shape_double_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_double_bounded_affine_preimage (ppl_Octagonal_Shape_double_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_double_generalized_affine_image (ppl_Octagonal_Shape_double_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_double_generalized_affine_preimage (ppl_Octagonal_Shape_double_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_double_generalized_affine_image_lhs_rhs (ppl_Octagonal_Shape_double_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Octagonal_Shape_double_generalized_affine_preimage_lhs_rhs (ppl_Octagonal_Shape_double_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Octagonal_Shape_double_add_space_dimensions_and_embed (ppl_Octagonal_Shape_double_t ph, ppl_dimension_type d)
- int ppl_Octagonal_Shape_double_add_space_dimensions_and_project (ppl_Octagonal_Shape_double_t ph, ppl_dimension_type d)
- int ppl_Octagonal_Shape_double_remove_space_dimensions (ppl_Octagonal_Shape_double_t ph, ppl_dimension_type ds[ ], size_t n)

- int ppl_Octagonal_Shape_double_remove_higher_space_dimensions (ppl_Octagonal_Shape_double_t ph, ppl_dimension_type d)
- int ppl_Octagonal_Shape_double_expand_space_dimension (ppl_Octagonal_Shape_double_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Octagonal_Shape_double_fold_space_dimensions (ppl_Octagonal_Shape_double_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Octagonal_Shape_double_map_space_dimensions (ppl_Octagonal_Shape_double_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Octagonal_Shape_double_drop_some_non_integer_points (ppl_Octagonal_Shape_double_t ph, int complexity)
- int ppl_Octagonal_Shape_double_drop_some_non_integer_points_2 (ppl_Octagonal_Shape_double_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Octagonal_Shape_double_external_memory_in_bytes (ppl_const_Octagonal_Shape_double_t ps, size_t *sz)
- int ppl_Octagonal_Shape_double_total_memory_in_bytes (ppl_const_Octagonal_Shape_double_t ps, size_t *sz)
- int ppl_Octagonal_Shape_double_BHMZ05_widening_assign_with_tokens (ppl_Octagonal_Shape_double_t x, ppl_const_Octagonal_Shape_double_t y, unsigned *tp)
- int ppl_Octagonal_Shape_double_BHMZ05_widening_assign (ppl_Octagonal_Shape_double_t x, ppl_const_Octagonal_Shape_double_t y)
- int ppl_Octagonal_Shape_double_widening_assign_with_tokens (ppl_Octagonal_Shape_double_t x, ppl_const_Octagonal_Shape_double_t y, unsigned *tp)
- int ppl_Octagonal_Shape_double_widening_assign (ppl_Octagonal_Shape_double_t x, ppl_const_Octagonal_Shape_double_t y)
- int ppl_Octagonal_Shape_double_limited_BHMZ05_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_double_t x, ppl_const_Octagonal_Shape_double_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_Octagonal_Shape_double_limited_CC76_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_double_t x, ppl_const_Octagonal_Shape_double_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_Octagonal_Shape_double_limited_BHMZ05_extrapolation_assign (ppl_Octagonal_Shape_double_t x, ppl_const_Octagonal_Shape_double_t y, ppl_const_Constraint_System_t cs)
- int ppl_Octagonal_Shape_double_limited_CC76_extrapolation_assign (ppl_Octagonal_Shape_double_t x, ppl_const_Octagonal_Shape_double_t y, ppl_const_Constraint_System_t cs)
- int ppl_Octagonal_Shape_double_CC76_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_double_t x, ppl_const_Octagonal_Shape_double_t y, unsigned *tp)
- int ppl_Octagonal_Shape_double_CC76_extrapolation_assign (ppl_Octagonal_Shape_double_t x, ppl_const_Octagonal_Shape_double_t y)
- int ppl_Octagonal_Shape_double_CC76_narrowing_assign (ppl_Octagonal_Shape_double_t x, ppl_const_Octagonal_Shape_double_t y)
- int ppl_Octagonal_Shape_double_linear_partition (ppl_const_Octagonal_Shape_double_t x, ppl_const_Octagonal_Shape_double_t y, ppl_Octagonal_Shape_double_t *p_inters, ppl_Pointset_Powerset_NNC_Polyhedron_t *p_rest)
- int ppl_Octagonal_Shape_double_wrap_assign (ppl_Octagonal_Shape_double_t ph, ppl_dimension_type ds[ ], size_t n, enum ppl_enum_Bounded_Integer_Type_Width w, enum ppl_enum_Bounded_Integer_Type_Representation r, enum ppl_enum_Bounded_Integer_Type_Overflow o, const ppl_const_Constraint_System_t *pcs, unsigned complexity_threshold, int wrap_individually)
- int ppl_new_Octagonal_Shape_double_recycle_Constraint_System (ppl_Octagonal_Shape_double_t *pph, ppl_Constraint_System_t cs)

- int ppl_new_Octagonal_Shape_double_recycle_Congruence_System (ppl_Octagonal_Shape_-double_t *pph, ppl_Congruence_System_t cs)
- int ppl_new_Octagonal_Shape_double_recycle_Generator_System (ppl_Octagonal_Shape_-double_t *pph, ppl_Generator_System_t cs)
- int ppl_assign_Octagonal_Shape_double_from_Octagonal_Shape_double (ppl_Octagonal_Shape_-double_t dst, ppl_const_Octagonal_Shape_double_t src)
- int ppl_Octagonal_Shape_double_add_recycled_constraints (ppl_Octagonal_Shape_double_t ph, ppl_Constraint_System_t cs)
- int ppl_Octagonal_Shape_double_add_recycled_congruences (ppl_Octagonal_Shape_double_t ph, ppl_Congruence_System_t cs)
- int ppl_termination_test_MS_Octagonal_Shape_double (ppl_const_Octagonal_Shape_double_t pset)
- int ppl_termination_test_PR_Octagonal_Shape_double (ppl_const_Octagonal_Shape_double_t pset)
- int ppl_one_affine_ranking_function_MS_Octagonal_Shape_double (ppl_const_Octagonal_-Shape_double_t pset, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Octagonal_Shape_double (ppl_const_Octagonal_Shape_-double_t pset, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Octagonal_Shape_double (ppl_const_Octagonal_-Shape_double_t pset, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Octagonal_Shape_double (ppl_const_Octagonal_Shape_-double_t pset, ppl_Polyhedron_t ph)
- int ppl_termination_test_MS_Octagonal_Shape_double_2 (ppl_const_Octagonal_Shape_double_-t pset_before, ppl_const_Octagonal_Shape_double_t pset_after)
- int ppl_termination_test_PR_Octagonal_Shape_double_2 (ppl_const_Octagonal_Shape_double_-t pset_before, ppl_const_Octagonal_Shape_double_t pset_after)
- int ppl_one_affine_ranking_function_MS_Octagonal_Shape_double_2 (ppl_const_Octagonal_-Shape_double_t pset_before, ppl_const_Octagonal_Shape_double_t pset_after, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Octagonal_Shape_double_2 (ppl_const_Octagonal_-Shape_double_t pset_before, ppl_const_Octagonal_Shape_double_t pset_after, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Octagonal_Shape_double_2 (ppl_const_Octagonal_-Shape_double_t pset_before, ppl_const_Octagonal_Shape_double_t pset_after, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Octagonal_Shape_double_2 (ppl_const_Octagonal_-Shape_double_t pset_before, ppl_const_Octagonal_Shape_double_t pset_after, ppl_Polyhedron_t ph)
- int ppl_io_print_Octagonal_Shape_double (ppl_const_Octagonal_Shape_double_t x)
- int ppl_io_fprint_Octagonal_Shape_double (FILE *stream, ppl_const_Octagonal_Shape_double_t x)
- int ppl_io_asprint_Octagonal_Shape_double (char **strp, ppl_const_Octagonal_Shape_double_t x)
- int ppl_Octagonal_Shape_double_ascii_dump (ppl_const_Octagonal_Shape_double_t x, FILE *stream)
- int ppl_Octagonal_Shape_double_ascii_load (ppl_Octagonal_Shape_double_t x, FILE *stream)

7.39.1 Detailed Description

Types and functions for ppl_Octagonal_Shape_double_tag.

7.39.2 Friends And Related Function Documentation

7.39.2.1 int ppl_delete_Octagonal_Shape_double (ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.39.2.2 int ppl_new_Octagonal_Shape_double_from_space_dimension (ppl_Octagonal_Shape_double_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.39.2.3 int ppl_new_Octagonal_Shape_double_from_Int8_Box (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.39.2.4 int ppl_new_Octagonal_Shape_double_from_Int16_Box (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.39.2.5 int ppl_new_Octagonal_Shape_double_from_Int32_Box (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.39.2.6 int ppl_new_Octagonal_Shape_double_from_Int64_Box (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.39.2.7 int ppl_new_Octagonal_Shape_double_from_Uint8_Box (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.39.2.8 int ppl_new_Octagonal_Shape_double_from_Uint16_Box (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.39.2.9 int ppl_new_Octagonal_Shape_double_from_Uint32_Box (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.39.2.10 int ppl_new_Octagonal_Shape_double_from_Uint64_Box (ppl_-Octagonal_Shape_double_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.39.2.11 int ppl_new_Octagonal_Shape_double_from_Z_Box (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.39.2.12 int ppl_new_Octagonal_Shape_double_from_Rational_Box (ppl_-Octagonal_Shape_double_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.39.2.13 int ppl_new_Octagonal_Shape_double_from_BD_Shape_int8_t (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.39.2.14 int ppl_new_Octagonal_Shape_double_from_BD_Shape_int16_t (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.39.2.15 int ppl_new_Octagonal_Shape_double_from_BD_Shape_int32_t (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.39.2.16 int ppl_new_Octagonal_Shape_double_from_BD_Shape_int64_t (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.39.2.17 int ppl_new_Octagonal_Shape_double_from_BD_Shape_mpz_class (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.39.2.18 int ppl_new_Octagonal_Shape_double_from_BD_Shape_mpq_class (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.39.2.19 int ppl_new_Octagonal_Shape_double_from_Octagonal_Shape_int8_t (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.39.2.20 int ppl_new_Octagonal_Shape_double_from_Octagonal_Shape_int16_t (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.39.2.21 int ppl_new_Octagonal_Shape_double_from_Octagonal_Shape_int32_t (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.39.2.22 int ppl_new_Octagonal_Shape_double_from_Octagonal_Shape_int64_t (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.39.2.23 int ppl_new_Octagonal_Shape_double_from_Octagonal_Shape_mpz_class (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.39.2.24 int ppl_new_Octagonal_Shape_double_from_Octagonal_Shape_mpq_class (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.39.2.25 int ppl_new_Octagonal_Shape_double_from_C_Polyhedron (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.39.2.26 int ppl_new_Octagonal_Shape_double_from_NNC_Polyhedron (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.39.2.27 int ppl_new_Octagonal_Shape_double_from_Grid (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.39.2.28 int ppl_new_Octagonal_Shape_double_from_Float_Box (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.39.2.29 int ppl_new_Octagonal_Shape_double_from_BD_Shape_float (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.39.2.30 int ppl_new_Octagonal_Shape_double_from_Octagonal_Shape_float (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.39.2.31 int ppl_new_Octagonal_Shape_double_from_Double_Box (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.39.2.32 int ppl_new_Octagonal_Shape_double_from_BD_Shape_double (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.39.2.33 int ppl_new_Octagonal_Shape_double_from_Octagonal_Shape_double (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.39.2.34 int ppl_new_Octagonal_Shape_double_from_Long_Double_Box (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.39.2.35 int ppl_new_Octagonal_Shape_double_from_BD_Shape_long_double (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.39.2.36 int ppl_new_Octagonal_Shape_double_from_Octagonal_Shape_long_double (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.39.2.37 int ppl_new_Octagonal_Shape_double_from_Int8_Box_with_complexity (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.39.2.38 int ppl_new_Octagonal_Shape_double_from_Int16_Box_with_complexity (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.39.2.39 int ppl_new_Octagonal_Shape_double_from_Int32_Box_with_complexity (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.39.2.40 int ppl_new_Octagonal_Shape_double_from_Int64_Box_with_complexity (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.39.2.41 int ppl_new_Octagonal_Shape_double_from_Uint8_Box_with_complexity (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.39.2.42 int ppl_new_Octagonal_Shape_double_from_Uint16_Box_with_complexity (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.39.2.43 int ppl_new_Octagonal_Shape_double_from_Uint32_Box_with_complexity (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.39.2.44 int ppl_new_Octagonal_Shape_double_from_Uint64_Box_with_complexity (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.39.2.45 int ppl_new_Octagonal_Shape_double_from_Z_Box_with_complexity (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.39.2.46 int ppl_new_Octagonal_Shape_double_from_Rational_Box_with_complexity (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.39.2.47 int ppl_new_Octagonal_Shape_double_from_BD_Shape_int8_t_with_complexity (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.39.2.48 int ppl_new_Octagonal_Shape_double_from_BD_Shape_int16_t_with_complexity (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.39.2.49 int ppl_new_Octagonal_Shape_double_from_BD_Shape_int32_t_with_complexity (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.39.2.50 int ppl_new_Octagonal_Shape_double_from_BD_Shape_int64_t_with_complexity (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.39.2.51 int ppl_new_Octagonal_Shape_double_from_BD_Shape_mpz_class_with_complexity (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.39.2.52 int ppl_new_Octagonal_Shape_double_from_BD_Shape_mpq_class_with_complexity (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.39.2.53 int ppl_new_Octagonal_Shape_double_from_Octagonal_Shape_int8_t_with_complexity (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.39.2.54 int ppl_new_Octagonal_Shape_double_from_Octagonal_Shape_int16_t_with_complexity (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.39.2.55 int ppl_new_Octagonal_Shape_double_from_Octagonal_Shape_int32_t_with_complexity (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.39.2.56 int ppl_new_Octagonal_Shape_double_from_Octagonal_Shape_int64_t_with_complexity (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.39.2.57 int ppl_new_Octagonal_Shape_double_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.39.2.58 int ppl_new_Octagonal_Shape_double_from_Octagonal_Shape_-mpq_class_with_complexity (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.39.2.59 int ppl_new_Octagonal_Shape_double_from_C_Polyhedron_with_complexity (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.39.2.60 int ppl_new_Octagonal_Shape_double_from_NNC_Polyhedron_with_complexity (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.39.2.61 int ppl_new_Octagonal_Shape_double_from_Grid_with_complexity (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.39.2.62 int ppl_new_Octagonal_Shape_double_from_Float_Box_with_complexity (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.39.2.63 int ppl_new_Octagonal_Shape_double_from_BD_Shape_float_with_complexity (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.39.2.64 int ppl_new_Octagonal_Shape_double_from_Octagonal_Shape_float_with_complexity (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.39.2.65 int ppl_new_Octagonal_Shape_double_from_Double_Box_with_complexity (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.39.2.66 int ppl_new_Octagonal_Shape_double_from_BD_Shape_double_with_complexity (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.39.2.67 int ppl_new_Octagonal_Shape_double_from_Octagonal_Shape_double_with_complexity (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.39.2.68 int ppl_new_Octagonal_Shape_double_from_Long_Double_Box_with_complexity (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.39.2.69 int ppl_new_Octagonal_Shape_double_from_BD_Shape_long_double_with_complexity (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.39.2.70 int ppl_new_Octagonal_Shape_double_from_Octagonal_Shape_long_double_with_complexity (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.39.2.71 int ppl_new_Octagonal_Shape_double_from_Constraint_System (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.39.2.72 int ppl_new_Octagonal_Shape_double_from_Congruence_System (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.39.2.73 int ppl_new_Octagonal_Shape_double_from_Generator_System (ppl_Octagonal_Shape_double_t * *pph*, ppl_const_Generator_System_t *cs*) [related]

7.39.2.74 int ppl_Octagonal_Shape_double_space_dimension (ppl_const_Octagonal_Shape_-double_t *ph*, ppl_dimension_type * *m*) [related]

7.39.2.75 int ppl_Octagonal_Shape_double_affine_dimension (ppl_const_Octagonal_Shape_-double_t *ph*, ppl_dimension_type * *m*) [related]

7.39.2.76 int ppl_Octagonal_Shape_double_relation_with_Constraint (ppl_const_Octagonal_Shape_double_t *ph*, ppl_const_Constraint_t *c*) [related]

7.39.2.77 int ppl_Octagonal_Shape_double_relation_with_Generator (ppl_const_Octagonal_Shape_double_t *ph*, ppl_const_Generator_t *c*) [related]

7.39.2.78 int ppl_Octagonal_Shape_double_relation_with_Congruence (ppl_const_Octagonal_Shape_double_t *ph*, ppl_const_Congruence_t *c*) [related]

7.39.2.79 int ppl_Octagonal_Shape_double_get_constraints (ppl_const_-Octagonal_Shape_double_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.39.2.80 int ppl_Octagonal_Shape_double_get_congruences (ppl_const_-Octagonal_Shape_double_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.39.2.81 int ppl_Octagonal_Shape_double_get_minimized_constraints (ppl_const_-Octagonal_Shape_double_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.39.2.82 int ppl_Octagonal_Shape_double_get_minimized_congruences (ppl_const_Octagonal_Shape_double_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.39.2.83 int ppl_Octagonal_Shape_double_is_empty (ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.39.2.84 int ppl_Octagonal_Shape_double_is_universe (ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.39.2.85 int ppl_Octagonal_Shape_double_is_bounded (ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.39.2.86 int ppl_Octagonal_Shape_double_contains_integer_point (ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.39.2.87 int ppl_Octagonal_Shape_double_is_topologically_closed (ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.39.2.88 int ppl_Octagonal_Shape_double_is_discrete (ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.39.2.89 int ppl_Octagonal_Shape_double_topological_closure_assign (ppl_Octagonal_Shape_double_t *ph*) [related]

7.39.2.90 int ppl_Octagonal_Shape_double_bounds_from_above (ppl_const_Octagonal_Shape_double_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.39.2.91 int ppl_Octagonal_Shape_double_bounds_from_below (ppl_const_Octagonal_Shape_double_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.39.2.92 int ppl_Octagonal_Shape_double_maximize (ppl_const_Octagonal_Shape_double_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.39.2.93 int ppl_Octagonal_Shape_double_minimize (ppl_const_Octagonal_Shape_double_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.39.2.94 int ppl_Octagonal_Shape_double_maximize_with_point (ppl_const_Octagonal_Shape_double_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.39.2.95 int ppl_Octagonal_Shape_double_minimize_with_point (ppl_const_Octagonal_Shape_double_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.39.2.96 int ppl_Octagonal_Shape_double_frequency (ppl_const_Octagonal_Shape_double_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_fn*, ppl_Coefficient_t *ext_fd*, ppl_Coefficient_t *ext_vn*, ppl_Coefficient_t *ext_vd*) [related]

7.39.2.97 int ppl_Octagonal_Shape_double_contains_Octagonal_Shape_double (ppl_const_Octagonal_Shape_double_t *x*, ppl_const_Octagonal_Shape_double_t *y*) [related]

7.39.2.98 int ppl_Octagonal_Shape_double_strictly_contains_Octagonal_Shape_double (ppl_const_Octagonal_Shape_double_t *x*, ppl_const_Octagonal_Shape_double_t *y*) [related]

7.39.2.99 int ppl_Octagonal_Shape_double_is_disjoint_from_Octagonal_Shape_double (ppl_const_Octagonal_Shape_double_t *x*, ppl_const_Octagonal_Shape_double_t *y*) [related]

7.39.2.100 int ppl_Octagonal_Shape_double_equals_Octagonal_Shape_double (ppl_const_Octagonal_Shape_double_t *x*, ppl_const_Octagonal_Shape_double_t *y*) [related]

7.39.2.101 int ppl_Octagonal_Shape_double_OK (ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.39.2.102 int ppl_Octagonal_Shape_double_add_constraint (ppl_Octagonal_Shape_double_t *ph*, ppl_const_Constraint_t *c*) [related]

7.39.2.103 int ppl_Octagonal_Shape_double_add_congruence (ppl_Octagonal_Shape_double_t *ph*, ppl_const_Congruence_t *c*) [related]

7.39.2.104 int ppl_Octagonal_Shape_double_add_constraints (ppl_Octagonal_Shape_double_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.39.2.105 int ppl_Octagonal_Shape_double_add_congruences (ppl_Octagonal_Shape_double_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.39.2.106 int ppl_Octagonal_Shape_double_refine_with_constraint (ppl_Octagonal_Shape_double_t *ph*, ppl_const_Constraint_t *c*) [related]

7.39.2.107 int ppl_Octagonal_Shape_double_refine_with_congruence (ppl_Octagonal_Shape_double_t *ph*, ppl_const_Congruence_t *c*) [related]

7.39.2.108 int ppl_Octagonal_Shape_double_refine_with_constraints (ppl_Octagonal_Shape_double_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.39.2.109 int ppl_Octagonal_Shape_double_refine_with_congruences (ppl_-Octagonal_Shape_double_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.39.2.110 int ppl_Octagonal_Shape_double_intersection_assign (ppl_Octagonal_Shape_double_t *x*, ppl_const_Octagonal_Shape_double_t *y*) [related]

7.39.2.111 int ppl_Octagonal_Shape_double_upper_bound_assign (ppl_-Octagonal_Shape_double_t *x*, ppl_const_Octagonal_Shape_double_t *y*) [related]

7.39.2.112 int ppl_Octagonal_Shape_double_difference_assign (ppl_Octagonal_Shape_double_t *x*, ppl_const_Octagonal_Shape_double_t *y*) [related]

7.39.2.113 int ppl_Octagonal_Shape_double_concatenate_assign (ppl_Octagonal_Shape_double_t *x*, ppl_const_Octagonal_Shape_double_t *y*) [related]

7.39.2.114 int ppl_Octagonal_Shape_double_time_elapse_assign (ppl_Octagonal_Shape_double_t *x*, ppl_const_Octagonal_Shape_double_t *y*) [related]

7.39.2.115 int ppl_Octagonal_Shape_double_upper_bound_assign_if_exact (ppl_Octagonal_Shape_double_t *x*, ppl_const_Octagonal_Shape_double_t *y*) [related]

7.39.2.116 int ppl_Octagonal_Shape_double_simplify_using_context_assign (ppl_Octagonal_Shape_double_t *x*, ppl_const_Octagonal_Shape_double_t *y*) [related]

7.39.2.117 int ppl_Octagonal_Shape_double_constrains (ppl_Octagonal_Shape_double_t *ph*, ppl_dimension_type *var*) [related]

7.39.2.118 int ppl_Octagonal_Shape_double_unconstrain_space_dimension (ppl_Octagonal_Shape_double_t *ph*, ppl_dimension_type *var*) [related]

7.39.2.119 int ppl_Octagonal_Shape_double_unconstrain_space_dimensions (ppl_Octagonal_Shape_double_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.39.2.120 int ppl_Octagonal_Shape_double_affine_image (ppl_Octagonal_Shape_double_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.39.2.121 int ppl_Octagonal_Shape_double_affine_preimage (ppl_Octagonal_Shape_double_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.39.2.122 int ppl_Octagonal_Shape_double_bounded_affine_image (ppl_Octagonal_Shape_double_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.39.2.123 int ppl_Octagonal_Shape_double_bounded_affine_preimage (ppl_Octagonal_Shape_double_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.39.2.124 int ppl_Octagonal_Shape_double_generalized_affine_image (ppl_Octagonal_Shape_double_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.39.2.125 int ppl_Octagonal_Shape_double_generalized_affine_preimage (ppl_Octagonal_Shape_double_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.39.2.126 int ppl_Octagonal_Shape_double_generalized_affine_image_lhs_rhs (ppl_Octagonal_Shape_double_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.39.2.127 int ppl_Octagonal_Shape_double_generalized_affine_preimage_lhs_rhs (ppl_Octagonal_Shape_double_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.39.2.128 int ppl_Octagonal_Shape_double_add_space_dimensions_and_embed (ppl_Octagonal_Shape_double_t *ph*, ppl_dimension_type *d*) [related]

7.39.2.129 int ppl_Octagonal_Shape_double_add_space_dimensions_and_project (ppl_Octagonal_Shape_double_t *ph*, ppl_dimension_type *d*) [related]

7.39.2.130 int ppl_Octagonal_Shape_double_remove_space_dimensions (ppl_Octagonal_Shape_double_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.39.2.131 int ppl_Octagonal_Shape_double_remove_higher_space_dimensions (ppl_Octagonal_Shape_double_t *ph*, ppl_dimension_type *d*) [related]

7.39.2.132 int ppl_Octagonal_Shape_double_expand_space_dimension (ppl_Octagonal_Shape_double_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.39.2.133 int ppl_Octagonal_Shape_double_fold_space_dimensions (ppl_Octagonal_Shape_double_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.39.2.134 int ppl_Octagonal_Shape_double_map_space_dimensions (ppl_Octagonal_Shape_double_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.39.2.135 int ppl_Octagonal_Shape_double_drop_some_non_integer_points (ppl_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.39.2.136 int ppl_Octagonal_Shape_double_drop_some_non_integer_points_2 (ppl_Octagonal_Shape_double_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.39.2.137 int ppl_Octagonal_Shape_double_external_memory_in_bytes (ppl_const_Octagonal_Shape_double_t *ps*, size_t * *sz*) [related]

7.39.2.138 int ppl_Octagonal_Shape_double_total_memory_in_bytes (ppl_const_Octagonal_Shape_double_t *ps*, size_t * *sz*) [related]

7.39.2.139 int ppl_Octagonal_Shape_double_BHMZ05_widening_assign_with_tokens (ppl_Octagonal_Shape_double_t *x*, ppl_const_Octagonal_Shape_double_t *y*, unsigned * *tp*) [related]

7.39.2.140 int ppl_Octagonal_Shape_double_BHMZ05_widening_assign (ppl_Octagonal_Shape_double_t *x*, ppl_const_Octagonal_Shape_double_t *y*) [related]

7.39.2.141 int ppl_Octagonal_Shape_double_widening_assign_with_tokens (ppl_Octagonal_Shape_double_t *x*, ppl_const_Octagonal_Shape_double_t *y*, unsigned * *tp*) [related]

7.39.2.142 int ppl_Octagonal_Shape_double_widening_assign (ppl_Octagonal_Shape_double_t *x*, ppl_const_Octagonal_Shape_double_t *y*) [related]

7.39.2.143 int ppl_Octagonal_Shape_double_limited_BHMZ05_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_double_t *x*, ppl_const_Octagonal_Shape_double_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.39.2.144 int ppl_Octagonal_Shape_double_limited_CC76_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_double_t *x*, ppl_const_Octagonal_Shape_double_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.39.2.145 int ppl_Octagonal_Shape_double_limited_BHMZ05_extrapolation_assign (ppl_Octagonal_Shape_double_t *x*, ppl_const_Octagonal_Shape_double_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.39.2.146 int ppl_Octagonal_Shape_double_limited_CC76_extrapolation_assign (ppl_Octagonal_Shape_double_t *x*, ppl_const_Octagonal_Shape_double_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.39.2.147 int ppl_Octagonal_Shape_double_CC76_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_double_t *x*, ppl_const_Octagonal_Shape_double_t *y*, unsigned * *tp*) [related]

7.39.2.148 int ppl_Octagonal_Shape_double_CC76_extrapolation_assign (ppl_Octagonal_Shape_double_t *x*, ppl_const_Octagonal_Shape_double_t *y*) [related]

7.39.2.149 int ppl_Octagonal_Shape_double_CC76_narrowing_assign (ppl_-Octagonal_Shape_double_t *x*, ppl_const_Octagonal_Shape_double_t *y*) [related]

7.39.2.150 int ppl_Octagonal_Shape_double_linear_partition (ppl_const_Octagonal_Shape_double_t *x*, ppl_const_Octagonal_Shape_double_t *y*, ppl_Octagonal_Shape_double_t * *p_inters*, ppl_Pointset_Powerset_NNC_Polyhedron_t * *p_rest*) [related]

7.39.2.151 int ppl_Octagonal_Shape_double_wrap_assign (ppl_Octagonal_Shape_double_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, enum ppl_enum_Bounded_Integer_Type_Width *w*, enum ppl_enum_Bounded_Integer_Type_Representation *r*, enum ppl_enum_Bounded_Integer_Type_Overflow *o*, const ppl_const_Constraint_System_t * *pcs*, unsigned *complexity_threshold*, int *wrap_individually*) [related]

7.39.2.152 int ppl_new_Octagonal_Shape_double_recycle_Constraint_System (ppl_Octagonal_Shape_double_t * *pph*, ppl_Constraint_System_t *cs*) [related]

7.39.2.153 int ppl_new_Octagonal_Shape_double_recycle_Congruence_System (ppl_Octagonal_Shape_double_t * *pph*, ppl_Congruence_System_t *cs*) [related]

7.39.2.154 int ppl_new_Octagonal_Shape_double_recycle_Generator_System (ppl_Octagonal_Shape_double_t * *pph*, ppl_Generator_System_t *cs*) [related]

7.39.2.155 int ppl_assign_Octagonal_Shape_double_from_Octagonal_Shape_double (ppl_Octagonal_Shape_double_t *dst*, ppl_const_Octagonal_Shape_double_t *src*) [related]

7.39.2.156 int ppl_Octagonal_Shape_double_add_recycled_constraints (ppl_Octagonal_Shape_double_t *ph*, ppl_Constraint_System_t *cs*) [related]

7.39.2.157 int ppl_Octagonal_Shape_double_add_recycled_congruences (ppl_Octagonal_Shape_double_t *ph*, ppl_Congruence_System_t *cs*) [related]

7.39.2.158 int ppl_termination_test_MS_Octagonal_Shape_double (ppl_const_Octagonal_-Shape_double_t *pset*) [related]

7.39.2.159 int ppl_termination_test_PR_Octagonal_Shape_double (ppl_const_Octagonal_Shape_-double_t *pset*) [related]

7.39.2.160 int ppl_one_affine_ranking_function_MS_Octagonal_Shape_double (ppl_const_Octagonal_Shape_double_t *pset*, ppl_Generator_t *point*) [related]

7.39.2.161 int ppl_one_affine_ranking_function_PR_Octagonal_Shape_double (ppl_const_Octagonal_Shape_double_t *pset*, ppl_Generator_t *point*) [related]

7.39.2.162 int ppl_all_affine_ranking_functions_MS_Octagonal_Shape_double (ppl_const_Octagonal_Shape_double_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.39.2.163 int ppl_all_affine_ranking_functions_PR_Octagonal_Shape_double (ppl_const_Octagonal_Shape_double_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.39.2.164 int ppl_termination_test_MS_Octagonal_Shape_double_2 (ppl_const_Octagonal_-Shape_double_t *pset_before*, ppl_const_Octagonal_Shape_double_t *pset_after*) [related]

7.39.2.165 int ppl_termination_test_PR_Octagonal_Shape_double_2 (ppl_const_Octagonal_-Shape_double_t *pset_before*, ppl_const_Octagonal_Shape_double_t *pset_after*) [related]

7.39.2.166 int ppl_one_affine_ranking_function_MS_Octagonal_Shape_double_2 (ppl_const_-Octagonal_Shape_double_t *pset_before*, ppl_const_Octagonal_Shape_double_t *pset_after*, ppl_Generator_t *point*) [related]

7.39.2.167 int ppl_one_affine_ranking_function_PR_Octagonal_Shape_double_2 (ppl_const_Octagonal_Shape_double_t *pset_before*, ppl_const_Octagonal_Shape_double_t *pset_after*, ppl_Generator_t *point*) [related]

7.39.2.168 int ppl_all_affine_ranking_functions_MS_Octagonal_Shape_double_2 (ppl_const_Octagonal_Shape_double_t *pset_before*, ppl_const_Octagonal_Shape_double_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.39.2.169 int ppl_all_affine_ranking_functions_PR_Octagonal_Shape_double_2 (ppl_const_Octagonal_Shape_double_t *pset_before*, ppl_const_Octagonal_Shape_double_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.39.2.170 int ppl_io_print_Octagonal_Shape_double (ppl_const_Octagonal_Shape_double_t *x*) [related]

7.39.2.171 int ppl_io_fprint_Octagonal_Shape_double (FILE * *stream*, ppl_const_Octagonal_Shape_double_t *x*) [related]

7.39.2.172 int ppl_io_asprint_Octagonal_Shape_double (char ** *strp*, ppl_const_Octagonal_Shape_double_t *x*) [related]

7.39.2.173 int ppl_Octagonal_Shape_double_ascii_dump (ppl_const_Octagonal_Shape_double_t *x*, FILE * *stream*) [related]

7.39.2.174 int ppl_Octagonal_Shape_double_ascii_load (ppl_Octagonal_Shape_double_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.40 ppl_Octagonal_Shape_float_tag Interface Reference

Types and functions for ppl_Octagonal_Shape_float_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Octagonal_Shape_float (ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_Octagonal_Shape_float_from_space_dimension (ppl_Octagonal_Shape_float_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Octagonal_Shape_float_from_Int8_Box (ppl_Octagonal_Shape_float_t *pph, ppl_const_Int8_Box_t ph)
- int ppl_new_Octagonal_Shape_float_from_Int16_Box (ppl_Octagonal_Shape_float_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_Octagonal_Shape_float_from_Int32_Box (ppl_Octagonal_Shape_float_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_Octagonal_Shape_float_from_Int64_Box (ppl_Octagonal_Shape_float_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_Octagonal_Shape_float_from_Uint8_Box (ppl_Octagonal_Shape_float_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_Octagonal_Shape_float_from_Uint16_Box (ppl_Octagonal_Shape_float_t *pph, ppl_const_Uint16_Box_t ph)
- int ppl_new_Octagonal_Shape_float_from_Uint32_Box (ppl_Octagonal_Shape_float_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_Octagonal_Shape_float_from_Uint64_Box (ppl_Octagonal_Shape_float_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_Octagonal_Shape_float_from_Z_Box (ppl_Octagonal_Shape_float_t *pph, ppl_const_Z_Box_t ph)
- int ppl_new_Octagonal_Shape_float_from_Rational_Box (ppl_Octagonal_Shape_float_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_Octagonal_Shape_float_from_BD_Shape_int8_t (ppl_Octagonal_Shape_float_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_Octagonal_Shape_float_from_BD_Shape_int16_t (ppl_Octagonal_Shape_float_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_Octagonal_Shape_float_from_BD_Shape_int32_t (ppl_Octagonal_Shape_float_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_Octagonal_Shape_float_from_BD_Shape_int64_t (ppl_Octagonal_Shape_float_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_Octagonal_Shape_float_from_BD_Shape_mpz_class (ppl_Octagonal_Shape_float_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_Octagonal_Shape_float_from_BD_Shape_mpq_class (ppl_Octagonal_Shape_float_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_Octagonal_Shape_float_from_Octagonal_Shape_int8_t (ppl_Octagonal_Shape_float_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_Octagonal_Shape_float_from_Octagonal_Shape_int16_t (ppl_Octagonal_Shape_float_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_Octagonal_Shape_float_from_Octagonal_Shape_int32_t (ppl_Octagonal_Shape_float_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)

- int ppl_new_Octagonal_Shape_float_from_Octagonal_Shape_int64_t (ppl_Octagonal_Shape_-float_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_Octagonal_Shape_float_from_Octagonal_Shape_mpz_class (ppl_Octagonal_Shape_-float_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_Octagonal_Shape_float_from_Octagonal_Shape_mpq_class (ppl_Octagonal_Shape_-float_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_Octagonal_Shape_float_from_C_Polyhedron (ppl_Octagonal_Shape_float_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Octagonal_Shape_float_from_NNC_Polyhedron (ppl_Octagonal_Shape_float_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Octagonal_Shape_float_from_Grid (ppl_Octagonal_Shape_float_t *pph, ppl_const_-Grid_t ph)
- int ppl_new_Octagonal_Shape_float_from_Float_Box (ppl_Octagonal_Shape_float_t *pph, ppl_-const_Float_Box_t ph)
- int ppl_new_Octagonal_Shape_float_from_BD_Shape_float (ppl_Octagonal_Shape_float_t *pph, ppl_const_BD_Shape_float_t ph)
- int ppl_new_Octagonal_Shape_float_from_Octagonal_Shape_float (ppl_Octagonal_Shape_float_-t *pph, ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_Octagonal_Shape_float_from_Double_Box (ppl_Octagonal_Shape_float_t *pph, ppl_-const_Double_Box_t ph)
- int ppl_new_Octagonal_Shape_float_from_BD_Shape_double (ppl_Octagonal_Shape_float_t *pph, ppl_const_BD_Shape_double_t ph)
- int ppl_new_Octagonal_Shape_float_from_Octagonal_Shape_double (ppl_Octagonal_Shape_-float_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_Octagonal_Shape_float_from_Long_Double_Box (ppl_Octagonal_Shape_float_t *pph, ppl_const_Long_Double_Box_t ph)
- int ppl_new_Octagonal_Shape_float_from_BD_Shape_long_double (ppl_Octagonal_Shape_float_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_Octagonal_Shape_float_from_Octagonal_Shape_long_double (ppl_Octagonal_-Shape_float_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_Octagonal_Shape_float_from_Int8_Box_with_complexity (ppl_Octagonal_Shape_-float_t *pph, ppl_const_Int8_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_float_from_Int16_Box_with_complexity (ppl_Octagonal_Shape_-float_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_float_from_Int32_Box_with_complexity (ppl_Octagonal_Shape_-float_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_float_from_Int64_Box_with_complexity (ppl_Octagonal_Shape_-float_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_float_from_Uint8_Box_with_complexity (ppl_Octagonal_Shape_-float_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_float_from_Uint16_Box_with_complexity (ppl_Octagonal_Shape_-float_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_float_from_Uint32_Box_with_complexity (ppl_Octagonal_Shape_-float_t *pph, ppl_const_Uint32_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_float_from_Uint64_Box_with_complexity (ppl_Octagonal_Shape_-float_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_float_from_Z_Box_with_complexity (ppl_Octagonal_Shape_float_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_float_from_Rational_Box_with_complexity (ppl_Octagonal_-Shape_float_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_float_from_BD_Shape_int8_t_with_complexity (ppl_Octagonal_-Shape_float_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)

- int ppl_new_Octagonal_Shape_float_from_BD_Shape_int16_t_with_complexity (ppl_Octagonal_Shape_float_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_float_from_BD_Shape_int32_t_with_complexity (ppl_Octagonal_Shape_float_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_float_from_BD_Shape_int64_t_with_complexity (ppl_Octagonal_Shape_float_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_float_from_BD_Shape_mpz_class_with_complexity (ppl_Octagonal_Shape_float_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Octagonal_Shape_float_from_BD_Shape_mpq_class_with_complexity (ppl_Octagonal_Shape_float_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Octagonal_Shape_float_from_Octagonal_Shape_int8_t_with_complexity (ppl_Octagonal_Shape_float_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_float_from_Octagonal_Shape_int16_t_with_complexity (ppl_Octagonal_Shape_float_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_float_from_Octagonal_Shape_int32_t_with_complexity (ppl_Octagonal_Shape_float_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_float_from_Octagonal_Shape_int64_t_with_complexity (ppl_Octagonal_Shape_float_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_float_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Octagonal_Shape_float_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Octagonal_Shape_float_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Octagonal_Shape_float_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Octagonal_Shape_float_from_C_Polyhedron_with_complexity (ppl_Octagonal_Shape_float_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Octagonal_Shape_float_from_NNC_Polyhedron_with_complexity (ppl_Octagonal_Shape_float_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Octagonal_Shape_float_from_Grid_with_complexity (ppl_Octagonal_Shape_float_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_Octagonal_Shape_float_from_Float_Box_with_complexity (ppl_Octagonal_Shape_float_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_float_from_BD_Shape_float_with_complexity (ppl_Octagonal_Shape_float_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)
- int ppl_new_Octagonal_Shape_float_from_Octagonal_Shape_float_with_complexity (ppl_Octagonal_Shape_float_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_Octagonal_Shape_float_from_Double_Box_with_complexity (ppl_Octagonal_Shape_float_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_float_from_BD_Shape_double_with_complexity (ppl_Octagonal_Shape_float_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_Octagonal_Shape_float_from_Octagonal_Shape_double_with_complexity (ppl_Octagonal_Shape_float_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_Octagonal_Shape_float_from_Long_Double_Box_with_complexity (ppl_Octagonal_Shape_float_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_float_from_BD_Shape_long_double_with_complexity (ppl_Octagonal_Shape_float_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_Octagonal_Shape_float_from_Octagonal_Shape_long_double_with_complexity (ppl_Octagonal_Shape_float_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_Octagonal_Shape_float_from_Constraint_System (ppl_Octagonal_Shape_float_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Octagonal_Shape_float_from_Congruence_System (ppl_Octagonal_Shape_float_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_new_Octagonal_Shape_float_from_Generator_System (ppl_Octagonal_Shape_float_t *pph, ppl_const_Generator_System_t cs)

- int ppl_Octagonal_Shape_float_space_dimension (ppl_const_Octagonal_Shape_float_t ph, ppl_dimension_type *m)
- int ppl_Octagonal_Shape_float_affine_dimension (ppl_const_Octagonal_Shape_float_t ph, ppl_dimension_type *m)
- int ppl_Octagonal_Shape_float_relation_with_Constraint (ppl_const_Octagonal_Shape_float_t ph, ppl_const_Constraint_t c)
- int ppl_Octagonal_Shape_float_relation_with_Generator (ppl_const_Octagonal_Shape_float_t ph, ppl_const_Generator_t c)
- int ppl_Octagonal_Shape_float_relation_with_Congruence (ppl_const_Octagonal_Shape_float_t ph, ppl_const_Congruence_t c)
- int ppl_Octagonal_Shape_float_get_constraints (ppl_const_Octagonal_Shape_float_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Octagonal_Shape_float_get_congruences (ppl_const_Octagonal_Shape_float_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Octagonal_Shape_float_get_minimized_constraints (ppl_const_Octagonal_Shape_float_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Octagonal_Shape_float_get_minimized_congruences (ppl_const_Octagonal_Shape_float_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Octagonal_Shape_float_is_empty (ppl_const_Octagonal_Shape_float_t ph)
- int ppl_Octagonal_Shape_float_is_universe (ppl_const_Octagonal_Shape_float_t ph)
- int ppl_Octagonal_Shape_float_is_bounded (ppl_const_Octagonal_Shape_float_t ph)
- int ppl_Octagonal_Shape_float_contains_integer_point (ppl_const_Octagonal_Shape_float_t ph)
- int ppl_Octagonal_Shape_float_is_topologically_closed (ppl_const_Octagonal_Shape_float_t ph)
- int ppl_Octagonal_Shape_float_is_discrete (ppl_const_Octagonal_Shape_float_t ph)
- int ppl_Octagonal_Shape_float_topological_closure_assign (ppl_Octagonal_Shape_float_t ph)
- int ppl_Octagonal_Shape_float_bounds_from_above (ppl_const_Octagonal_Shape_float_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Octagonal_Shape_float_bounds_from_below (ppl_const_Octagonal_Shape_float_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Octagonal_Shape_float_maximize (ppl_const_Octagonal_Shape_float_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Octagonal_Shape_float_minimize (ppl_const_Octagonal_Shape_float_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Octagonal_Shape_float_maximize_with_point (ppl_const_Octagonal_Shape_float_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Octagonal_Shape_float_minimize_with_point (ppl_const_Octagonal_Shape_float_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Octagonal_Shape_float_frequency (ppl_const_Octagonal_Shape_float_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_fn, ppl_Coefficient_t ext_fd, ppl_Coefficient_t ext_vn, ppl_Coefficient_t ext_vd)
- int ppl_Octagonal_Shape_float_contains_Octagonal_Shape_float (ppl_const_Octagonal_Shape_float_t x, ppl_const_Octagonal_Shape_float_t y)
- int ppl_Octagonal_Shape_float_strictly_contains_Octagonal_Shape_float (ppl_const_Octagonal_Shape_float_t x, ppl_const_Octagonal_Shape_float_t y)
- int ppl_Octagonal_Shape_float_is_disjoint_from_Octagonal_Shape_float (ppl_const_Octagonal_Shape_float_t x, ppl_const_Octagonal_Shape_float_t y)
- int ppl_Octagonal_Shape_float_equals_Octagonal_Shape_float (ppl_const_Octagonal_Shape_float_t x, ppl_const_Octagonal_Shape_float_t y)
- int ppl_Octagonal_Shape_float_OK (ppl_const_Octagonal_Shape_float_t ph)

- int ppl_Octagonal_Shape_float_add_constraint (ppl_Octagonal_Shape_float_t ph, ppl_const_Constraint_t c)
- int ppl_Octagonal_Shape_float_add_congruence (ppl_Octagonal_Shape_float_t ph, ppl_const_Congruence_t c)
- int ppl_Octagonal_Shape_float_add_constraints (ppl_Octagonal_Shape_float_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Octagonal_Shape_float_add_congruences (ppl_Octagonal_Shape_float_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Octagonal_Shape_float_refine_with_constraint (ppl_Octagonal_Shape_float_t ph, ppl_const_Constraint_t c)
- int ppl_Octagonal_Shape_float_refine_with_congruence (ppl_Octagonal_Shape_float_t ph, ppl_const_Congruence_t c)
- int ppl_Octagonal_Shape_float_refine_with_constraints (ppl_Octagonal_Shape_float_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Octagonal_Shape_float_refine_with_congruences (ppl_Octagonal_Shape_float_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Octagonal_Shape_float_intersection_assign (ppl_Octagonal_Shape_float_t x, ppl_const_Octagonal_Shape_float_t y)
- int ppl_Octagonal_Shape_float_upper_bound_assign (ppl_Octagonal_Shape_float_t x, ppl_const_Octagonal_Shape_float_t y)
- int ppl_Octagonal_Shape_float_difference_assign (ppl_Octagonal_Shape_float_t x, ppl_const_Octagonal_Shape_float_t y)
- int ppl_Octagonal_Shape_float_concatenate_assign (ppl_Octagonal_Shape_float_t x, ppl_const_Octagonal_Shape_float_t y)
- int ppl_Octagonal_Shape_float_time_elapse_assign (ppl_Octagonal_Shape_float_t x, ppl_const_Octagonal_Shape_float_t y)
- int ppl_Octagonal_Shape_float_upper_bound_assign_if_exact (ppl_Octagonal_Shape_float_t x, ppl_const_Octagonal_Shape_float_t y)
- int ppl_Octagonal_Shape_float_simplify_using_context_assign (ppl_Octagonal_Shape_float_t x, ppl_const_Octagonal_Shape_float_t y)
- int ppl_Octagonal_Shape_float_constrains (ppl_Octagonal_Shape_float_t ph, ppl_dimension_type var)
- int ppl_Octagonal_Shape_float_unconstrain_space_dimension (ppl_Octagonal_Shape_float_t ph, ppl_dimension_type var)
- int ppl_Octagonal_Shape_float_unconstrain_space_dimensions (ppl_Octagonal_Shape_float_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Octagonal_Shape_float_affine_image (ppl_Octagonal_Shape_float_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_float_affine_preimage (ppl_Octagonal_Shape_float_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_float_bounded_affine_image (ppl_Octagonal_Shape_float_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_float_bounded_affine_preimage (ppl_Octagonal_Shape_float_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_float_generalized_affine_image (ppl_Octagonal_Shape_float_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_float_generalized_affine_preimage (ppl_Octagonal_Shape_float_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)

- int ppl_Octagonal_Shape_float_generalized_affine_image_lhs_rhs (ppl_Octagonal_Shape_float_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Octagonal_Shape_float_generalized_affine_preimage_lhs_rhs (ppl_Octagonal_Shape_float_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Octagonal_Shape_float_add_space_dimensions_and_embed (ppl_Octagonal_Shape_float_t ph, ppl_dimension_type d)
- int ppl_Octagonal_Shape_float_add_space_dimensions_and_project (ppl_Octagonal_Shape_float_t ph, ppl_dimension_type d)
- int ppl_Octagonal_Shape_float_remove_space_dimensions (ppl_Octagonal_Shape_float_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Octagonal_Shape_float_remove_higher_space_dimensions (ppl_Octagonal_Shape_float_t ph, ppl_dimension_type d)
- int ppl_Octagonal_Shape_float_expand_space_dimension (ppl_Octagonal_Shape_float_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Octagonal_Shape_float_fold_space_dimensions (ppl_Octagonal_Shape_float_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Octagonal_Shape_float_map_space_dimensions (ppl_Octagonal_Shape_float_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Octagonal_Shape_float_drop_some_non_integer_points (ppl_Octagonal_Shape_float_t ph, int complexity)
- int ppl_Octagonal_Shape_float_drop_some_non_integer_points_2 (ppl_Octagonal_Shape_float_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Octagonal_Shape_float_external_memory_in_bytes (ppl_const_Octagonal_Shape_float_t ps, size_t *sz)
- int ppl_Octagonal_Shape_float_total_memory_in_bytes (ppl_const_Octagonal_Shape_float_t ps, size_t *sz)
- int ppl_Octagonal_Shape_float_BHMZ05_widening_assign_with_tokens (ppl_Octagonal_Shape_float_t x, ppl_const_Octagonal_Shape_float_t y, unsigned *tp)
- int ppl_Octagonal_Shape_float_BHMZ05_widening_assign (ppl_Octagonal_Shape_float_t x, ppl_const_Octagonal_Shape_float_t y)
- int ppl_Octagonal_Shape_float_widening_assign_with_tokens (ppl_Octagonal_Shape_float_t x, ppl_const_Octagonal_Shape_float_t y, unsigned *tp)
- int ppl_Octagonal_Shape_float_widening_assign (ppl_Octagonal_Shape_float_t x, ppl_const_Octagonal_Shape_float_t y)
- int ppl_Octagonal_Shape_float_limited_BHMZ05_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_float_t x, ppl_const_Octagonal_Shape_float_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_Octagonal_Shape_float_limited_CC76_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_float_t x, ppl_const_Octagonal_Shape_float_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_Octagonal_Shape_float_limited_BHMZ05_extrapolation_assign (ppl_Octagonal_Shape_float_t x, ppl_const_Octagonal_Shape_float_t y, ppl_const_Constraint_System_t cs)
- int ppl_Octagonal_Shape_float_limited_CC76_extrapolation_assign (ppl_Octagonal_Shape_float_t x, ppl_const_Octagonal_Shape_float_t y, ppl_const_Constraint_System_t cs)
- int ppl_Octagonal_Shape_float_CC76_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_float_t x, ppl_const_Octagonal_Shape_float_t y, unsigned *tp)
- int ppl_Octagonal_Shape_float_CC76_extrapolation_assign (ppl_Octagonal_Shape_float_t x, ppl_const_Octagonal_Shape_float_t y)
- int ppl_Octagonal_Shape_float_CC76_narrowing_assign (ppl_Octagonal_Shape_float_t x, ppl_const_Octagonal_Shape_float_t y)

- int ppl_Octagonal_Shape_float_linear_partition (ppl_const_Octagonal_Shape_float_t x, ppl_const_Octagonal_Shape_float_t y, ppl_Octagonal_Shape_float_t *p_inters, ppl_Pointset_Powerset_NNC_Polyhedron_t *p_rest)
- int ppl_Octagonal_Shape_float_wrap_assign (ppl_Octagonal_Shape_float_t ph, ppl_dimension_type ds[ ], size_t n, enum ppl_enum_Bounded_Integer_Type_Width w, enum ppl_enum_Bounded_Integer_Type_Representation r, enum ppl_enum_Bounded_Integer_Type_Overflow o, const ppl_const_Constraint_System_t *pcs, unsigned complexity_threshold, int wrap_individually)
- int ppl_new_Octagonal_Shape_float_recycle_Constraint_System (ppl_Octagonal_Shape_float_t *pph, ppl_Constraint_System_t cs)
- int ppl_new_Octagonal_Shape_float_recycle_Congruence_System (ppl_Octagonal_Shape_float_t *pph, ppl_Congruence_System_t cs)
- int ppl_new_Octagonal_Shape_float_recycle_Generator_System (ppl_Octagonal_Shape_float_t *pph, ppl_Generator_System_t cs)
- int ppl_assign_Octagonal_Shape_float_from_Octagonal_Shape_float (ppl_Octagonal_Shape_float_t dst, ppl_const_Octagonal_Shape_float_t src)
- int ppl_Octagonal_Shape_float_add_recycled_constraints (ppl_Octagonal_Shape_float_t ph, ppl_Constraint_System_t cs)
- int ppl_Octagonal_Shape_float_add_recycled_congruences (ppl_Octagonal_Shape_float_t ph, ppl_Congruence_System_t cs)
- int ppl_termination_test_MS_Octagonal_Shape_float (ppl_const_Octagonal_Shape_float_t pset)
- int ppl_termination_test_PR_Octagonal_Shape_float (ppl_const_Octagonal_Shape_float_t pset)
- int ppl_one_affine_ranking_function_MS_Octagonal_Shape_float (ppl_const_Octagonal_Shape_float_t pset, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Octagonal_Shape_float (ppl_const_Octagonal_Shape_float_t pset, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Octagonal_Shape_float (ppl_const_Octagonal_Shape_float_t pset, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Octagonal_Shape_float (ppl_const_Octagonal_Shape_float_t pset, ppl_Polyhedron_t ph)
- int ppl_termination_test_MS_Octagonal_Shape_float_2 (ppl_const_Octagonal_Shape_float_t pset_before, ppl_const_Octagonal_Shape_float_t pset_after)
- int ppl_termination_test_PR_Octagonal_Shape_float_2 (ppl_const_Octagonal_Shape_float_t pset_before, ppl_const_Octagonal_Shape_float_t pset_after)
- int ppl_one_affine_ranking_function_MS_Octagonal_Shape_float_2 (ppl_const_Octagonal_Shape_float_t pset_before, ppl_const_Octagonal_Shape_float_t pset_after, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Octagonal_Shape_float_2 (ppl_const_Octagonal_Shape_float_t pset_before, ppl_const_Octagonal_Shape_float_t pset_after, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Octagonal_Shape_float_2 (ppl_const_Octagonal_Shape_float_t pset_before, ppl_const_Octagonal_Shape_float_t pset_after, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Octagonal_Shape_float_2 (ppl_const_Octagonal_Shape_float_t pset_before, ppl_const_Octagonal_Shape_float_t pset_after, ppl_Polyhedron_t ph)
- int ppl_io_print_Octagonal_Shape_float (ppl_const_Octagonal_Shape_float_t x)
- int ppl_io_fprint_Octagonal_Shape_float (FILE *stream, ppl_const_Octagonal_Shape_float_t x)
- int ppl_io_asprint_Octagonal_Shape_float (char **strp, ppl_const_Octagonal_Shape_float_t x)
- int ppl_Octagonal_Shape_float_ascii_dump (ppl_const_Octagonal_Shape_float_t x, FILE *stream)
- int ppl_Octagonal_Shape_float_ascii_load (ppl_Octagonal_Shape_float_t x, FILE *stream)

7.40.1 Detailed Description

Types and functions for ppl_Octagonal_Shape_float_tag.

7.40.2 Friends And Related Function Documentation

7.40.2.1 int ppl_delete_Octagonal_Shape_float (ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.40.2.2 int ppl_new_Octagonal_Shape_float_from_space_dimension (ppl_Octagonal_Shape_float_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.40.2.3 int ppl_new_Octagonal_Shape_float_from_Int8_Box (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.40.2.4 int ppl_new_Octagonal_Shape_float_from_Int16_Box (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.40.2.5 int ppl_new_Octagonal_Shape_float_from_Int32_Box (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.40.2.6 int ppl_new_Octagonal_Shape_float_from_Int64_Box (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.40.2.7 int ppl_new_Octagonal_Shape_float_from_Uint8_Box (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.40.2.8 int ppl_new_Octagonal_Shape_float_from_Uint16_Box (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.40.2.9 int ppl_new_Octagonal_Shape_float_from_Uint32_Box (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.40.2.10 int ppl_new_Octagonal_Shape_float_from_Uint64_Box (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.40.2.11 int ppl_new_Octagonal_Shape_float_from_Z_Box (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.40.2.12 int ppl_new_Octagonal_Shape_float_from_Rational_Box (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.40.2.13 int ppl_new_Octagonal_Shape_float_from_BD_Shape_int8_t (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.40.2.14 int ppl_new_Octagonal_Shape_float_from_BD_Shape_int16_t (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.40.2.15 int ppl_new_Octagonal_Shape_float_from_BD_Shape_int32_t (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.40.2.16 int ppl_new_Octagonal_Shape_float_from_BD_Shape_int64_t (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.40.2.17 int ppl_new_Octagonal_Shape_float_from_BD_Shape_mpz_class (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.40.2.18 int ppl_new_Octagonal_Shape_float_from_BD_Shape_mpq_class (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.40.2.19 int ppl_new_Octagonal_Shape_float_from_Octagonal_Shape_int8_t (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.40.2.20 int ppl_new_Octagonal_Shape_float_from_Octagonal_Shape_int16_t (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.40.2.21 int ppl_new_Octagonal_Shape_float_from_Octagonal_Shape_int32_t (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.40.2.22 int ppl_new_Octagonal_Shape_float_from_Octagonal_Shape_int64_t (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.40.2.23 int ppl_new_Octagonal_Shape_float_from_Octagonal_Shape_mpz_class (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.40.2.24 int ppl_new_Octagonal_Shape_float_from_Octagonal_Shape_mpq_class (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.40.2.25 int ppl_new_Octagonal_Shape_float_from_C_Polyhedron (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.40.2.26 int ppl_new_Octagonal_Shape_float_from_NNC_Polyhedron (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.40.2.27 int ppl_new_Octagonal_Shape_float_from_Grid (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.40.2.28 int ppl_new_Octagonal_Shape_float_from_Float_Box (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.40.2.29 int ppl_new_Octagonal_Shape_float_from_BD_Shape_float (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.40.2.30 int ppl_new_Octagonal_Shape_float_from_Octagonal_Shape_float (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.40.2.31 int ppl_new_Octagonal_Shape_float_from_Double_Box (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.40.2.32 int ppl_new_Octagonal_Shape_float_from_BD_Shape_double (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.40.2.33 int ppl_new_Octagonal_Shape_float_from_Octagonal_Shape_double (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.40.2.34 int ppl_new_Octagonal_Shape_float_from_Long_Double_Box (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.40.2.35 int ppl_new_Octagonal_Shape_float_from_BD_Shape_long_double (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.40.2.36 int ppl_new_Octagonal_Shape_float_from_Octagonal_Shape_long_double (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.40.2.37 int ppl_new_Octagonal_Shape_float_from_Int8_Box_with_complexity (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.40.2.38 int ppl_new_Octagonal_Shape_float_from_Int16_Box_with_complexity (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.40.2.39 int ppl_new_Octagonal_Shape_float_from_Int32_Box_with_complexity (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.40.2.40 int ppl_new_Octagonal_Shape_float_from_Int64_Box_with_complexity (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.40.2.41 int ppl_new_Octagonal_Shape_float_from_Uint8_Box_with_complexity (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.40.2.42 int ppl_new_Octagonal_Shape_float_from_Uint16_Box_with_complexity (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.40.2.43 int ppl_new_Octagonal_Shape_float_from_Uint32_Box_with_complexity (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.40.2.44 int ppl_new_Octagonal_Shape_float_from_Uint64_Box_with_complexity (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.40.2.45 int ppl_new_Octagonal_Shape_float_from_Z_Box_with_complexity (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.40.2.46 int ppl_new_Octagonal_Shape_float_from_Rational_Box_with_complexity (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.40.2.47 int ppl_new_Octagonal_Shape_float_from_BD_Shape_int8_t_with_complexity (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.40.2.48 int ppl_new_Octagonal_Shape_float_from_BD_Shape_int16_t_with_complexity (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.40.2.49 int ppl_new_Octagonal_Shape_float_from_BD_Shape_int32_t_with_complexity (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.40.2.50 int ppl_new_Octagonal_Shape_float_from_BD_Shape_int64_t_with_complexity (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.40.2.51 int ppl_new_Octagonal_Shape_float_from_BD_Shape_mpz_class_with_complexity (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.40.2.52 int ppl_new_Octagonal_Shape_float_from_BD_Shape_mpq_class_with_complexity (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.40.2.53 int ppl_new_Octagonal_Shape_float_from_Octagonal_Shape_int8_t_with_complexity (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.40.2.54 int ppl_new_Octagonal_Shape_float_from_Octagonal_Shape_int16_t_with_complexity (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.40.2.55 int ppl_new_Octagonal_Shape_float_from_Octagonal_Shape_int32_t_with_complexity (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.40.2.56 int ppl_new_Octagonal_Shape_float_from_Octagonal_Shape_int64_t_with_complexity (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.40.2.57 int ppl_new_Octagonal_Shape_float_from_Octagonal_Shape_-mpz_class_with_complexity (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.40.2.58 int ppl_new_Octagonal_Shape_float_from_Octagonal_Shape_-mpq_class_with_complexity (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.40.2.59 int ppl_new_Octagonal_Shape_float_from_C_Polyhedron_with_complexity (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.40.2.60 int ppl_new_Octagonal_Shape_float_from_NNC_Polyhedron_with_complexity (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.40.2.61 int ppl_new_Octagonal_Shape_float_from_Grid_with_complexity (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.40.2.62 int ppl_new_Octagonal_Shape_float_from_Float_Box_with_complexity (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.40.2.63 int ppl_new_Octagonal_Shape_float_from_BD_Shape_float_with_complexity (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.40.2.64 int ppl_new_Octagonal_Shape_float_from_Octagonal_Shape_float_with_complexity (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.40.2.65 int ppl_new_Octagonal_Shape_float_from_Double_Box_with_complexity (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.40.2.66 int ppl_new_Octagonal_Shape_float_from_BD_Shape_double_with_complexity (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.40.2.67 int ppl_new_Octagonal_Shape_float_from_Octagonal_Shape_double_with_complexity (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.40.2.68 int ppl_new_Octagonal_Shape_float_from_Long_Double_Box_with_complexity (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.40.2.69 int ppl_new_Octagonal_Shape_float_from_BD_Shape_long_double_with_complexity (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.40.2.70 int ppl_new_Octagonal_Shape_float_from_Octagonal_Shape_long_double_with_complexity (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.40.2.71 int ppl_new_Octagonal_Shape_float_from_Constraint_System (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.40.2.72 int ppl_new_Octagonal_Shape_float_from_Congruence_System (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.40.2.73 int ppl_new_Octagonal_Shape_float_from_Generator_System (ppl_Octagonal_Shape_float_t * *pph*, ppl_const_Generator_System_t *cs*) [related]

7.40.2.74 int ppl_Octagonal_Shape_float_space_dimension (ppl_const_Octagonal_Shape_float_t *ph*, ppl_dimension_type * *m*) [related]

7.40.2.75 int ppl_Octagonal_Shape_float_affine_dimension (ppl_const_Octagonal_Shape_float_t *ph*, ppl_dimension_type * *m*) [related]

7.40.2.76 int ppl_Octagonal_Shape_float_relation_with_Constraint (ppl_const_Octagonal_Shape_float_t *ph*, ppl_const_Constraint_t *c*) [related]

7.40.2.77 int ppl_Octagonal_Shape_float_relation_with_Generator (ppl_const_Octagonal_Shape_float_t *ph*, ppl_const_Generator_t *c*) [related]

7.40.2.78 int ppl_Octagonal_Shape_float_relation_with_Congruence (ppl_const_Octagonal_Shape_float_t *ph*, ppl_const_Congruence_t *c*) [related]

7.40.2.79 int ppl_Octagonal_Shape_float_get_constraints (ppl_const_Octagonal_Shape_float_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.40.2.80 int ppl_Octagonal_Shape_float_get_congruences (ppl_const_Octagonal_Shape_float_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.40.2.81 int ppl_Octagonal_Shape_float_get_minimized_constraints (ppl_const_Octagonal_Shape_float_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.40.2.82 int ppl_Octagonal_Shape_float_get_minimized_congruences (ppl_const_Octagonal_Shape_float_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.40.2.83 int ppl_Octagonal_Shape_float_is_empty (ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.40.2.84 int ppl_Octagonal_Shape_float_is_universe (ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.40.2.85 int ppl_Octagonal_Shape_float_is_bounded (ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.40.2.86 int ppl_Octagonal_Shape_float_contains_integer_point (ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.40.2.87 int ppl_Octagonal_Shape_float_is_topologically_closed (ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.40.2.88 int ppl_Octagonal_Shape_float_is_discrete (ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.40.2.89 int ppl_Octagonal_Shape_float_topological_closure_assign (ppl_Octagonal_Shape_float_t *ph*) [related]

7.40.2.90 int ppl_Octagonal_Shape_float_bounds_from_above (ppl_const_Octagonal_Shape_float_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.40.2.91 int ppl_Octagonal_Shape_float_bounds_from_below (ppl_const_Octagonal_Shape_float_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.40.2.92 int ppl_Octagonal_Shape_float_maximize (ppl_const_Octagonal_Shape_float_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.40.2.93 int ppl_Octagonal_Shape_float_minimize (ppl_const_Octagonal_Shape_float_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.40.2.94 int ppl_Octagonal_Shape_float_maximize_with_point (ppl_const_Octagonal_Shape_float_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.40.2.95 int ppl_Octagonal_Shape_float_minimize_with_point (ppl_const_Octagonal_Shape_float_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.40.2.96 int ppl_Octagonal_Shape_float_frequency (ppl_const_Octagonal_Shape_float_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_fn*, ppl_Coefficient_t *ext_fd*, ppl_Coefficient_t *ext_vn*, ppl_Coefficient_t *ext_vd*) [related]

7.40.2.97 int ppl_Octagonal_Shape_float_contains_Octagonal_Shape_float (ppl_const_Octagonal_Shape_float_t *x*, ppl_const_Octagonal_Shape_float_t *y*) [related]

7.40.2.98 int ppl_Octagonal_Shape_float_strictly_contains_Octagonal_Shape_float (ppl_const_Octagonal_Shape_float_t *x*, ppl_const_Octagonal_Shape_float_t *y*) [related]

7.40.2.99 int ppl_Octagonal_Shape_float_is_disjoint_from_Octagonal_Shape_float (ppl_const_Octagonal_Shape_float_t *x*, ppl_const_Octagonal_Shape_float_t *y*) [related]

7.40.2.100 int ppl_Octagonal_Shape_float_equals_Octagonal_Shape_float (ppl_const_Octagonal_Shape_float_t *x*, ppl_const_Octagonal_Shape_float_t *y*) [related]

7.40.2.101 int ppl_Octagonal_Shape_float_OK (ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.40.2.102 int ppl_Octagonal_Shape_float_add_constraint (ppl_Octagonal_Shape_float_t *ph*, ppl_const_Constraint_t *c*) [related]

7.40.2.103 int ppl_Octagonal_Shape_float_add_congruence (ppl_Octagonal_Shape_float_t *ph*, ppl_const_Congruence_t *c*) [related]

7.40.2.104 int ppl_Octagonal_Shape_float_add_constraints (ppl_Octagonal_Shape_float_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.40.2.105 int ppl_Octagonal_Shape_float_add_congruences (ppl_Octagonal_Shape_float_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.40.2.106 int ppl_Octagonal_Shape_float_refine_with_constraint (ppl_Octagonal_Shape_float_t *ph*, ppl_const_Constraint_t *c*) [related]

7.40.2.107 int ppl_Octagonal_Shape_float_refine_with_congruence (ppl_Octagonal_Shape_float_t *ph*, ppl_const_Congruence_t *c*) [related]

7.40.2.108 int ppl_Octagonal_Shape_float_refine_with_constraints (ppl_Octagonal_Shape_float_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.40.2.109 int ppl_Octagonal_Shape_float_refine_with_congruences (ppl_Octagonal_Shape_float_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.40.2.110 int ppl_Octagonal_Shape_float_intersection_assign (ppl_Octagonal_Shape_float_t *x*, ppl_const_Octagonal_Shape_float_t *y*) [related]

7.40.2.111 int ppl_Octagonal_Shape_float_upper_bound_assign (ppl_Octagonal_Shape_float_t *x*, ppl_const_Octagonal_Shape_float_t *y*) [related]

7.40.2.112 int ppl_Octagonal_Shape_float_difference_assign (ppl_Octagonal_Shape_float_t *x*, ppl_const_Octagonal_Shape_float_t *y*) [related]

7.40.2.113 int ppl_Octagonal_Shape_float_concatenate_assign (ppl_Octagonal_Shape_float_t *x*, ppl_const_Octagonal_Shape_float_t *y*) [related]

7.40.2.114 int ppl_Octagonal_Shape_float_time_elapse_assign (ppl_Octagonal_Shape_float_t *x*, ppl_const_Octagonal_Shape_float_t *y*) [related]

7.40.2.115 int ppl_Octagonal_Shape_float_upper_bound_assign_if_exact (ppl_Octagonal_Shape_float_t *x*, ppl_const_Octagonal_Shape_float_t *y*) [related]

7.40.2.116 int ppl_Octagonal_Shape_float_simplify_using_context_assign (ppl_Octagonal_Shape_float_t *x*, ppl_const_Octagonal_Shape_float_t *y*) [related]

7.40.2.117 int ppl_Octagonal_Shape_float_constrains (ppl_Octagonal_Shape_float_t *ph*, ppl_dimension_type *var*) [related]

7.40.2.118 int ppl_Octagonal_Shape_float_unconstrain_space_dimension (ppl_Octagonal_Shape_float_t *ph*, ppl_dimension_type *var*) [related]

7.40.2.119 int ppl_Octagonal_Shape_float_unconstrain_space_dimensions (ppl_Octagonal_Shape_float_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.40.2.120 int ppl_Octagonal_Shape_float_affine_image (ppl_Octagonal_Shape_float_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.40.2.121 int ppl_Octagonal_Shape_float_affine_preimage (ppl_Octagonal_Shape_float_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.40.2.122 int ppl_Octagonal_Shape_float_bounded_affine_image (ppl_Octagonal_Shape_float_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.40.2.123 int ppl_Octagonal_Shape_float_bounded_affine_preimage (ppl_Octagonal_Shape_float_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.40.2.124 int ppl_Octagonal_Shape_float_generalized_affine_image (ppl_Octagonal_Shape_float_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.40.2.125 int ppl_Octagonal_Shape_float_generalized_affine_preimage (ppl_Octagonal_Shape_float_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.40.2.126 int ppl_Octagonal_Shape_float_generalized_affine_image_lhs_rhs (ppl_Octagonal_Shape_float_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.40.2.127 int ppl_Octagonal_Shape_float_generalized_affine_preimage_lhs_rhs (ppl_Octagonal_Shape_float_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.40.2.128 int ppl_Octagonal_Shape_float_add_space_dimensions_and_embed (ppl_Octagonal_Shape_float_t *ph*, ppl_dimension_type *d*) [related]

7.40.2.129 int ppl_Octagonal_Shape_float_add_space_dimensions_and_project (ppl_Octagonal_Shape_float_t *ph*, ppl_dimension_type *d*) [related]

7.40.2.130 int ppl_Octagonal_Shape_float_remove_space_dimensions (ppl_Octagonal_Shape_float_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.40.2.131 int ppl_Octagonal_Shape_float_remove_higher_space_dimensions (ppl_Octagonal_Shape_float_t *ph*, ppl_dimension_type *d*) [related]

7.40.2.132 int ppl_Octagonal_Shape_float_expand_space_dimension (ppl_Octagonal_Shape_float_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.40.2.133 int ppl_Octagonal_Shape_float_fold_space_dimensions (ppl_Octagonal_Shape_float_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.40.2.134 int ppl_Octagonal_Shape_float_map_space_dimensions (ppl_Octagonal_Shape_float_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.40.2.135 int ppl_Octagonal_Shape_float_drop_some_non_integer_points (ppl_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.40.2.136 int ppl_Octagonal_Shape_float_drop_some_non_integer_points_2 (ppl_Octagonal_Shape_float_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.40.2.137 int ppl_Octagonal_Shape_float_external_memory_in_bytes (ppl_const_Octagonal_Shape_float_t *ps*, size_t * *sz*) [related]

7.40.2.138 int ppl_Octagonal_Shape_float_total_memory_in_bytes (ppl_const_Octagonal_Shape_float_t *ps*, size_t * *sz*) [related]

7.40.2.139 int ppl_Octagonal_Shape_float_BHMZ05_widening_assign_with_tokens (ppl_Octagonal_Shape_float_t *x*, ppl_const_Octagonal_Shape_float_t *y*, unsigned * *tp*) [related]

7.40.2.140 int ppl_Octagonal_Shape_float_BHMZ05_widening_assign (ppl_Octagonal_Shape_float_t *x*, ppl_const_Octagonal_Shape_float_t *y*) [related]

7.40.2.141 int ppl_Octagonal_Shape_float_widening_assign_with_tokens (ppl_Octagonal_Shape_float_t *x*, ppl_const_Octagonal_Shape_float_t *y*, unsigned * *tp*) [related]

7.40.2.142 int ppl_Octagonal_Shape_float_widening_assign (ppl_Octagonal_Shape_float_t *x*, ppl_const_Octagonal_Shape_float_t *y*) [related]

7.40.2.143 int ppl_Octagonal_Shape_float_limited_BHMZ05_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_float_t *x*, ppl_const_Octagonal_Shape_float_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.40.2.144 int ppl_Octagonal_Shape_float_limited_CC76_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_float_t *x*, ppl_const_Octagonal_Shape_float_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.40.2.145 int ppl_Octagonal_Shape_float_limited_BHMZ05_extrapolation_assign (ppl_Octagonal_Shape_float_t *x*, ppl_const_Octagonal_Shape_float_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.40.2.146 int ppl_Octagonal_Shape_float_limited_CC76_extrapolation_assign (ppl_Octagonal_Shape_float_t *x*, ppl_const_Octagonal_Shape_float_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.40.2.147 int ppl_Octagonal_Shape_float_CC76_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_float_t *x*, ppl_const_Octagonal_Shape_float_t *y*, unsigned * *tp*) [related]

7.40.2.148 int ppl_Octagonal_Shape_float_CC76_extrapolation_assign (ppl_Octagonal_Shape_float_t *x*, ppl_const_Octagonal_Shape_float_t *y*) [related]

7.40.2.149 int ppl_Octagonal_Shape_float_CC76_narrowing_assign (ppl_-Octagonal_Shape_float_t *x*, ppl_const_Octagonal_Shape_float_t *y*) [related]

7.40.2.150 int ppl_Octagonal_Shape_float_linear_partition (ppl_const_Octagonal_Shape_float_t *x*, ppl_const_Octagonal_Shape_float_t *y*, ppl_Octagonal_Shape_float_t * *p_inters*, ppl_Pointset_Powerset_NNC_Polyhedron_t * *p_rest*) [related]

7.40.2.151 int ppl_Octagonal_Shape_float_wrap_assign (ppl_Octagonal_Shape_float_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, enum ppl_enum_Bounded_Integer_Type_Width *w*, enum ppl_enum_Bounded_Integer_Type_Representation *r*, enum ppl_enum_Bounded_Integer_Type_Overflow *o*, const ppl_const_Constraint_System_t * *pcs*, unsigned *complexity_threshold*, int *wrap_individually*) [related]

7.40.2.152 int ppl_new_Octagonal_Shape_float_recycle_Constraint_System (ppl_Octagonal_Shape_float_t * *pph*, ppl_Constraint_System_t *cs*) [related]

7.40.2.153 int ppl_new_Octagonal_Shape_float_recycle_Congruence_System (ppl_Octagonal_Shape_float_t * *pph*, ppl_Congruence_System_t *cs*) [related]

7.40.2.154 int ppl_new_Octagonal_Shape_float_recycle_Generator_System (ppl_Octagonal_Shape_float_t * *pph*, ppl_Generator_System_t *cs*) [related]

7.40.2.155 int ppl_assign_Octagonal_Shape_float_from_Octagonal_Shape_float (ppl_Octagonal_Shape_float_t *dst*, ppl_const_Octagonal_Shape_float_t *src*) [related]

7.40.2.156 int ppl_Octagonal_Shape_float_add_recycled_constraints (ppl_Octagonal_Shape_float_t *ph*, ppl_Constraint_System_t *cs*) [related]

7.40.2.157 int ppl_Octagonal_Shape_float_add_recycled_congruences (ppl_Octagonal_Shape_float_t *ph*, ppl_Congruence_System_t *cs*) [related]

7.40.2.158 int ppl_termination_test_MS_Octagonal_Shape_float (ppl_const_Octagonal_Shape_float_t *pset*) [related]

7.40.2.159 int ppl_termination_test_PR_Octagonal_Shape_float (ppl_const_Octagonal_Shape_float_t *pset*) [related]

7.40.2.160 int ppl_one_affine_ranking_function_MS_Octagonal_Shape_float (ppl_const_Octagonal_Shape_float_t *pset*, ppl_Generator_t *point*) [related]

7.40.2.161 int ppl_one_affine_ranking_function_PR_Octagonal_Shape_float (ppl_const_Octagonal_Shape_float_t *pset*, ppl_Generator_t *point*) [related]

7.40.2.162 int ppl_all_affine_ranking_functions_MS_Octagonal_Shape_float (ppl_const_Octagonal_Shape_float_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.40.2.163 int ppl_all_affine_ranking_functions_PR_Octagonal_Shape_float (ppl_const_Octagonal_Shape_float_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.40.2.164 int ppl_termination_test_MS_Octagonal_Shape_float_2 (ppl_const_Octagonal_Shape_float_t *pset_before*, ppl_const_Octagonal_Shape_float_t *pset_after*) [related]

7.40.2.165 int ppl_termination_test_PR_Octagonal_Shape_float_2 (ppl_const_Octagonal_Shape_float_t *pset_before*, ppl_const_Octagonal_Shape_float_t *pset_after*) [related]

7.40.2.166 int ppl_one_affine_ranking_function_MS_Octagonal_Shape_float_2 (ppl_const_Octagonal_Shape_float_t *pset_before*, ppl_const_Octagonal_Shape_float_t *pset_after*, ppl_Generator_t *point*) [related]

7.40.2.167 int ppl_one_affine_ranking_function_PR_Octagonal_Shape_float_2 (ppl_const_Octagonal_Shape_float_t *pset_before*, ppl_const_Octagonal_Shape_float_t *pset_after*, ppl_Generator_t *point*) [related]

7.40.2.168 int ppl_all_affine_ranking_functions_MS_Octagonal_Shape_float_2 (ppl_const_Octagonal_Shape_float_t *pset_before*, ppl_const_Octagonal_Shape_float_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.40.2.169 int ppl_all_affine_ranking_functions_PR_Octagonal_Shape_float_2 (ppl_const_Octagonal_Shape_float_t *pset_before*, ppl_const_Octagonal_Shape_float_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.40.2.170 int ppl_io_print_Octagonal_Shape_float (ppl_const_Octagonal_Shape_float_t *x*) [related]

7.40.2.171 int ppl_io_fprint_Octagonal_Shape_float (FILE * *stream*, ppl_const_Octagonal_Shape_float_t *x*) [related]

7.40.2.172 int ppl_io_asprint_Octagonal_Shape_float (char ** *strp*, ppl_const_Octagonal_Shape_float_t *x*) [related]

7.40.2.173 int ppl_Octagonal_Shape_float_ascii_dump (ppl_const_Octagonal_Shape_float_t *x*, FILE * *stream*) [related]

7.40.2.174 int ppl_Octagonal_Shape_float_ascii_load (ppl_Octagonal_Shape_float_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.41 ppl_Octagonal_Shape_int16_t_tag Interface Reference

Types and functions for ppl_Octagonal_Shape_int16_t_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Octagonal_Shape_int16_t (ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_Octagonal_Shape_int16_t_from_space_dimension (ppl_Octagonal_Shape_int16_t_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Octagonal_Shape_int16_t_from_Int8_Box (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Int8_Box_t ph)
- int ppl_new_Octagonal_Shape_int16_t_from_Int16_Box (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_Octagonal_Shape_int16_t_from_Int32_Box (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_Octagonal_Shape_int16_t_from_Int64_Box (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Int64_Box_t ph)

- int ppl_new_Octagonal_Shape_int16_t_from_Uint8_Box (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_Octagonal_Shape_int16_t_from_Uint16_Box (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Uint16_Box_t ph)
- int ppl_new_Octagonal_Shape_int16_t_from_Uint32_Box (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_Octagonal_Shape_int16_t_from_Uint64_Box (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_Octagonal_Shape_int16_t_from_Z_Box (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Z_Box_t ph)
- int ppl_new_Octagonal_Shape_int16_t_from_Rational_Box (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_Octagonal_Shape_int16_t_from_BD_Shape_int8_t (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_Octagonal_Shape_int16_t_from_BD_Shape_int16_t (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_Octagonal_Shape_int16_t_from_BD_Shape_int32_t (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_Octagonal_Shape_int16_t_from_BD_Shape_int64_t (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_Octagonal_Shape_int16_t_from_BD_Shape_mpz_class (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_Octagonal_Shape_int16_t_from_BD_Shape_mpq_class (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_Octagonal_Shape_int16_t_from_Octagonal_Shape_int8_t (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_Octagonal_Shape_int16_t_from_Octagonal_Shape_int16_t (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_Octagonal_Shape_int16_t_from_Octagonal_Shape_int32_t (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_Octagonal_Shape_int16_t_from_Octagonal_Shape_int64_t (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_Octagonal_Shape_int16_t_from_Octagonal_Shape_mpz_class (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_Octagonal_Shape_int16_t_from_Octagonal_Shape_mpq_class (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_Octagonal_Shape_int16_t_from_C_Polyhedron (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Octagonal_Shape_int16_t_from_NNC_Polyhedron (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Octagonal_Shape_int16_t_from_Grid (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Grid_t ph)
- int ppl_new_Octagonal_Shape_int16_t_from_Float_Box (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_Octagonal_Shape_int16_t_from_BD_Shape_float (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_BD_Shape_float_t ph)
- int ppl_new_Octagonal_Shape_int16_t_from_Octagonal_Shape_float (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_Octagonal_Shape_int16_t_from_Double_Box (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Double_Box_t ph)
- int ppl_new_Octagonal_Shape_int16_t_from_BD_Shape_double (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_BD_Shape_double_t ph)

- int ppl_new_Octagonal_Shape_int16_t_from_Octagonal_Shape_double (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_Octagonal_Shape_int16_t_from_Long_Double_Box (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Long_Double_Box_t ph)
- int ppl_new_Octagonal_Shape_int16_t_from_BD_Shape_long_double (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_Octagonal_Shape_int16_t_from_Octagonal_Shape_long_double (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_Octagonal_Shape_int16_t_from_Int8_Box_with_complexity (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Int8_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int16_t_from_Int16_Box_with_complexity (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int16_t_from_Int32_Box_with_complexity (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int16_t_from_Int64_Box_with_complexity (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int16_t_from_Uint8_Box_with_complexity (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int16_t_from_Uint16_Box_with_complexity (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int16_t_from_Uint32_Box_with_complexity (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Uint32_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int16_t_from_Uint64_Box_with_complexity (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int16_t_from_Z_Box_with_complexity (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int16_t_from_Rational_Box_with_complexity (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int16_t_from_BD_Shape_int8_t_with_complexity (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int16_t_from_BD_Shape_int16_t_with_complexity (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int16_t_from_BD_Shape_int32_t_with_complexity (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int16_t_from_BD_Shape_int64_t_with_complexity (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int16_t_from_BD_Shape_mpz_class_with_complexity (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int16_t_from_BD_Shape_mpq_class_with_complexity (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int16_t_from_Octagonal_Shape_int8_t_with_complexity (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int16_t_from_Octagonal_Shape_int16_t_with_complexity (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int16_t_from_Octagonal_Shape_int32_t_with_complexity (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int16_t_from_Octagonal_Shape_int64_t_with_complexity (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int16_t_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)

- int ppl_new_Octagonal_Shape_int16_t_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int16_t_from_C_Polyhedron_with_complexity (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int16_t_from_NNC_Polyhedron_with_complexity (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int16_t_from_Grid_with_complexity (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int16_t_from_Float_Box_with_complexity (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int16_t_from_BD_Shape_float_with_complexity (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int16_t_from_Octagonal_Shape_float_with_complexity (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int16_t_from_Double_Box_with_complexity (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int16_t_from_BD_Shape_double_with_complexity (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int16_t_from_Octagonal_Shape_double_with_complexity (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int16_t_from_Long_Double_Box_with_complexity (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int16_t_from_BD_Shape_long_double_with_complexity (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int16_t_from_Octagonal_Shape_long_double_with_complexity (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int16_t_from_Constraint_System (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Octagonal_Shape_int16_t_from_Congruence_System (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_new_Octagonal_Shape_int16_t_from_Generator_System (ppl_Octagonal_Shape_int16_t_t *pph, ppl_const_Generator_System_t cs)
- int ppl_Octagonal_Shape_int16_t_space_dimension (ppl_const_Octagonal_Shape_int16_t_t ph, ppl_dimension_type *m)
- int ppl_Octagonal_Shape_int16_t_affine_dimension (ppl_const_Octagonal_Shape_int16_t_t ph, ppl_dimension_type *m)
- int ppl_Octagonal_Shape_int16_t_relation_with_Constraint (ppl_const_Octagonal_Shape_int16_t_t ph, ppl_const_Constraint_t c)
- int ppl_Octagonal_Shape_int16_t_relation_with_Generator (ppl_const_Octagonal_Shape_int16_t_t ph, ppl_const_Generator_t c)
- int ppl_Octagonal_Shape_int16_t_relation_with_Congruence (ppl_const_Octagonal_Shape_int16_t_t ph, ppl_const_Congruence_t c)
- int ppl_Octagonal_Shape_int16_t_get_constraints (ppl_const_Octagonal_Shape_int16_t_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Octagonal_Shape_int16_t_get_congruences (ppl_const_Octagonal_Shape_int16_t_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Octagonal_Shape_int16_t_get_minimized_constraints (ppl_const_Octagonal_Shape_int16_t_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Octagonal_Shape_int16_t_get_minimized_congruences (ppl_const_Octagonal_Shape_int16_t_t ph, ppl_const_Congruence_System_t *pcs)

- int ppl_Octagonal_Shape_int16_t_is_empty (ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_Octagonal_Shape_int16_t_is_universe (ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_Octagonal_Shape_int16_t_is_bounded (ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_Octagonal_Shape_int16_t_contains_integer_point (ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_Octagonal_Shape_int16_t_is_topologically_closed (ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_Octagonal_Shape_int16_t_is_discrete (ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_Octagonal_Shape_int16_t_topological_closure_assign (ppl_Octagonal_Shape_int16_t_t ph)
- int ppl_Octagonal_Shape_int16_t_bounds_from_above (ppl_const_Octagonal_Shape_int16_t_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Octagonal_Shape_int16_t_bounds_from_below (ppl_const_Octagonal_Shape_int16_t_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Octagonal_Shape_int16_t_maximize (ppl_const_Octagonal_Shape_int16_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Octagonal_Shape_int16_t_minimize (ppl_const_Octagonal_Shape_int16_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Octagonal_Shape_int16_t_maximize_with_point (ppl_const_Octagonal_Shape_int16_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Octagonal_Shape_int16_t_minimize_with_point (ppl_const_Octagonal_Shape_int16_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Octagonal_Shape_int16_t_frequency (ppl_const_Octagonal_Shape_int16_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_fn, ppl_Coefficient_t ext_fd, ppl_Coefficient_t ext_vn, ppl_Coefficient_t ext_vd)
- int ppl_Octagonal_Shape_int16_t_contains_Octagonal_Shape_int16_t (ppl_const_Octagonal_Shape_int16_t_t x, ppl_const_Octagonal_Shape_int16_t_t y)
- int ppl_Octagonal_Shape_int16_t_strictly_contains_Octagonal_Shape_int16_t (ppl_const_Octagonal_Shape_int16_t_t x, ppl_const_Octagonal_Shape_int16_t_t y)
- int ppl_Octagonal_Shape_int16_t_is_disjoint_from_Octagonal_Shape_int16_t (ppl_const_Octagonal_Shape_int16_t_t x, ppl_const_Octagonal_Shape_int16_t_t y)
- int ppl_Octagonal_Shape_int16_t_equals_Octagonal_Shape_int16_t (ppl_const_Octagonal_Shape_int16_t_t x, ppl_const_Octagonal_Shape_int16_t_t y)
- int ppl_Octagonal_Shape_int16_t_OK (ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_Octagonal_Shape_int16_t_add_constraint (ppl_Octagonal_Shape_int16_t_t ph, ppl_const_Constraint_t c)
- int ppl_Octagonal_Shape_int16_t_add_congruence (ppl_Octagonal_Shape_int16_t_t ph, ppl_const_Congruence_t c)
- int ppl_Octagonal_Shape_int16_t_add_constraints (ppl_Octagonal_Shape_int16_t_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Octagonal_Shape_int16_t_add_congruences (ppl_Octagonal_Shape_int16_t_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Octagonal_Shape_int16_t_refine_with_constraint (ppl_Octagonal_Shape_int16_t_t ph, ppl_const_Constraint_t c)
- int ppl_Octagonal_Shape_int16_t_refine_with_congruence (ppl_Octagonal_Shape_int16_t_t ph, ppl_const_Congruence_t c)
- int ppl_Octagonal_Shape_int16_t_refine_with_constraints (ppl_Octagonal_Shape_int16_t_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Octagonal_Shape_int16_t_refine_with_congruences (ppl_Octagonal_Shape_int16_t_t ph, ppl_const_Congruence_System_t cs)

- int ppl_Octagonal_Shape_int16_t_intersection_assign (ppl_Octagonal_Shape_int16_t_t x, ppl_const_Octagonal_Shape_int16_t_t y)
- int ppl_Octagonal_Shape_int16_t_upper_bound_assign (ppl_Octagonal_Shape_int16_t_t x, ppl_const_Octagonal_Shape_int16_t_t y)
- int ppl_Octagonal_Shape_int16_t_difference_assign (ppl_Octagonal_Shape_int16_t_t x, ppl_const_Octagonal_Shape_int16_t_t y)
- int ppl_Octagonal_Shape_int16_t_concatenate_assign (ppl_Octagonal_Shape_int16_t_t x, ppl_const_Octagonal_Shape_int16_t_t y)
- int ppl_Octagonal_Shape_int16_t_time_elapse_assign (ppl_Octagonal_Shape_int16_t_t x, ppl_const_Octagonal_Shape_int16_t_t y)
- int ppl_Octagonal_Shape_int16_t_upper_bound_assign_if_exact (ppl_Octagonal_Shape_int16_t_t x, ppl_const_Octagonal_Shape_int16_t_t y)
- int ppl_Octagonal_Shape_int16_t_simplify_using_context_assign (ppl_Octagonal_Shape_int16_t_t x, ppl_const_Octagonal_Shape_int16_t_t y)
- int ppl_Octagonal_Shape_int16_t_constrains (ppl_Octagonal_Shape_int16_t_t ph, ppl_dimension_type var)
- int ppl_Octagonal_Shape_int16_t_unconstrain_space_dimension (ppl_Octagonal_Shape_int16_t_t ph, ppl_dimension_type var)
- int ppl_Octagonal_Shape_int16_t_unconstrain_space_dimensions (ppl_Octagonal_Shape_int16_t_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Octagonal_Shape_int16_t_affine_image (ppl_Octagonal_Shape_int16_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_int16_t_affine_preimage (ppl_Octagonal_Shape_int16_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_int16_t_bounded_affine_image (ppl_Octagonal_Shape_int16_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_int16_t_bounded_affine_preimage (ppl_Octagonal_Shape_int16_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_int16_t_generalized_affine_image (ppl_Octagonal_Shape_int16_t_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_int16_t_generalized_affine_preimage (ppl_Octagonal_Shape_int16_t_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_int16_t_generalized_affine_image_lhs_rhs (ppl_Octagonal_Shape_int16_t_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Octagonal_Shape_int16_t_generalized_affine_preimage_lhs_rhs (ppl_Octagonal_Shape_int16_t_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Octagonal_Shape_int16_t_add_space_dimensions_and_embed (ppl_Octagonal_Shape_int16_t_t ph, ppl_dimension_type d)
- int ppl_Octagonal_Shape_int16_t_add_space_dimensions_and_project (ppl_Octagonal_Shape_int16_t_t ph, ppl_dimension_type d)
- int ppl_Octagonal_Shape_int16_t_remove_space_dimensions (ppl_Octagonal_Shape_int16_t_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Octagonal_Shape_int16_t_remove_higher_space_dimensions (ppl_Octagonal_Shape_int16_t_t ph, ppl_dimension_type d)
- int ppl_Octagonal_Shape_int16_t_expand_space_dimension (ppl_Octagonal_Shape_int16_t_t ph, ppl_dimension_type d, ppl_dimension_type m)

- int ppl_Octagonal_Shape_int16_t_fold_space_dimensions (ppl_Octagonal_Shape_int16_t_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Octagonal_Shape_int16_t_map_space_dimensions (ppl_Octagonal_Shape_int16_t_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Octagonal_Shape_int16_t_drop_some_non_integer_points (ppl_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_Octagonal_Shape_int16_t_drop_some_non_integer_points_2 (ppl_Octagonal_Shape_int16_t_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Octagonal_Shape_int16_t_external_memory_in_bytes (ppl_const_Octagonal_Shape_int16_t_t ps, size_t *sz)
- int ppl_Octagonal_Shape_int16_t_total_memory_in_bytes (ppl_const_Octagonal_Shape_int16_t_t ps, size_t *sz)
- int ppl_Octagonal_Shape_int16_t_BHMZ05_widening_assign_with_tokens (ppl_Octagonal_Shape_int16_t_t x, ppl_const_Octagonal_Shape_int16_t_t y, unsigned *tp)
- int ppl_Octagonal_Shape_int16_t_BHMZ05_widening_assign (ppl_Octagonal_Shape_int16_t_t x, ppl_const_Octagonal_Shape_int16_t_t y)
- int ppl_Octagonal_Shape_int16_t_widening_assign_with_tokens (ppl_Octagonal_Shape_int16_t_t x, ppl_const_Octagonal_Shape_int16_t_t y, unsigned *tp)
- int ppl_Octagonal_Shape_int16_t_widening_assign (ppl_Octagonal_Shape_int16_t_t x, ppl_const_Octagonal_Shape_int16_t_t y)
- int ppl_Octagonal_Shape_int16_t_limited_BHMZ05_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_int16_t_t x, ppl_const_Octagonal_Shape_int16_t_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_Octagonal_Shape_int16_t_limited_CC76_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_int16_t_t x, ppl_const_Octagonal_Shape_int16_t_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_Octagonal_Shape_int16_t_limited_BHMZ05_extrapolation_assign (ppl_Octagonal_Shape_int16_t_t x, ppl_const_Octagonal_Shape_int16_t_t y, ppl_const_Constraint_System_t cs)
- int ppl_Octagonal_Shape_int16_t_limited_CC76_extrapolation_assign (ppl_Octagonal_Shape_int16_t_t x, ppl_const_Octagonal_Shape_int16_t_t y, ppl_const_Constraint_System_t cs)
- int ppl_Octagonal_Shape_int16_t_CC76_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_int16_t_t x, ppl_const_Octagonal_Shape_int16_t_t y, unsigned *tp)
- int ppl_Octagonal_Shape_int16_t_CC76_extrapolation_assign (ppl_Octagonal_Shape_int16_t_t x, ppl_const_Octagonal_Shape_int16_t_t y)
- int ppl_Octagonal_Shape_int16_t_CC76_narrowing_assign (ppl_Octagonal_Shape_int16_t_t x, ppl_const_Octagonal_Shape_int16_t_t y)
- int ppl_Octagonal_Shape_int16_t_linear_partition (ppl_const_Octagonal_Shape_int16_t_t x, ppl_const_Octagonal_Shape_int16_t_t y, ppl_Octagonal_Shape_int16_t_t *p_inters, ppl_Pointset_Powerset_NNC_Polyhedron_t *p_rest)
- int ppl_Octagonal_Shape_int16_t_wrap_assign (ppl_Octagonal_Shape_int16_t_t ph, ppl_dimension_type ds[ ], size_t n, enum ppl_enum_Bounded_Integer_Type_Width w, enum ppl_enum_Bounded_Integer_Type_Representation r, enum ppl_enum_Bounded_Integer_Type_Overflow o, const ppl_const_Constraint_System_t *pcs, unsigned complexity_threshold, int wrap_individually)
- int ppl_new_Octagonal_Shape_int16_t_recycle_Constraint_System (ppl_Octagonal_Shape_int16_t_t *pph, ppl_Constraint_System_t cs)
- int ppl_new_Octagonal_Shape_int16_t_recycle_Congruence_System (ppl_Octagonal_Shape_int16_t_t *pph, ppl_Congruence_System_t cs)
- int ppl_new_Octagonal_Shape_int16_t_recycle_Generator_System (ppl_Octagonal_Shape_int16_t_t *pph, ppl_Generator_System_t cs)

- int ppl_assign_Octagonal_Shape_int16_t_from_Octagonal_Shape_int16_t (ppl_Octagonal_Shape_-int16_t_t dst, ppl_const_Octagonal_Shape_int16_t_t src)
- int ppl_Octagonal_Shape_int16_t_add_recycled_constraints (ppl_Octagonal_Shape_int16_t_t ph, ppl_Constraint_System_t cs)
- int ppl_Octagonal_Shape_int16_t_add_recycled_congruences (ppl_Octagonal_Shape_int16_t_t ph, ppl_Congruence_System_t cs)
- int ppl_termination_test_MS_Octagonal_Shape_int16_t (ppl_const_Octagonal_Shape_int16_t_t pset)
- int ppl_termination_test_PR_Octagonal_Shape_int16_t (ppl_const_Octagonal_Shape_int16_t_t pset)
- int ppl_one_affine_ranking_function_MS_Octagonal_Shape_int16_t (ppl_const_Octagonal_-Shape_int16_t_t pset, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Octagonal_Shape_int16_t (ppl_const_Octagonal_-Shape_int16_t_t pset, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Octagonal_Shape_int16_t (ppl_const_Octagonal_-Shape_int16_t_t pset, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Octagonal_Shape_int16_t (ppl_const_Octagonal_-Shape_int16_t_t pset, ppl_Polyhedron_t ph)
- int ppl_termination_test_MS_Octagonal_Shape_int16_t_2 (ppl_const_Octagonal_Shape_int16_t_-t pset_before, ppl_const_Octagonal_Shape_int16_t_t pset_after)
- int ppl_termination_test_PR_Octagonal_Shape_int16_t_2 (ppl_const_Octagonal_Shape_int16_t_-t pset_before, ppl_const_Octagonal_Shape_int16_t_t pset_after)
- int ppl_one_affine_ranking_function_MS_Octagonal_Shape_int16_t_2 (ppl_const_Octagonal_-Shape_int16_t_t pset_before, ppl_const_Octagonal_Shape_int16_t_t pset_after, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Octagonal_Shape_int16_t_2 (ppl_const_Octagonal_-Shape_int16_t_t pset_before, ppl_const_Octagonal_Shape_int16_t_t pset_after, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Octagonal_Shape_int16_t_2 (ppl_const_Octagonal_-Shape_int16_t_t pset_before, ppl_const_Octagonal_Shape_int16_t_t pset_after, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Octagonal_Shape_int16_t_2 (ppl_const_Octagonal_-Shape_int16_t_t pset_before, ppl_const_Octagonal_Shape_int16_t_t pset_after, ppl_Polyhedron_t ph)
- int ppl_io_print_Octagonal_Shape_int16_t (ppl_const_Octagonal_Shape_int16_t_t x)
- int ppl_io_fprint_Octagonal_Shape_int16_t (FILE *stream, ppl_const_Octagonal_Shape_int16_t_t x)
- int ppl_io_asprint_Octagonal_Shape_int16_t (char **strp, ppl_const_Octagonal_Shape_int16_t_t x)
- int ppl_Octagonal_Shape_int16_t_ascii_dump (ppl_const_Octagonal_Shape_int16_t_t x, FILE *stream)
- int ppl_Octagonal_Shape_int16_t_ascii_load (ppl_Octagonal_Shape_int16_t_t x, FILE *stream)

7.41.1 Detailed Description

Types and functions for ppl_Octagonal_Shape_int16_t_tag.

7.41.2 Friends And Related Function Documentation

7.41.2.1 int ppl_delete_Octagonal_Shape_int16_t (ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.41.2.2 int ppl_new_Octagonal_Shape_int16_t_from_space_dimension (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.41.2.3 int ppl_new_Octagonal_Shape_int16_t_from_Int8_Box (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.41.2.4 int ppl_new_Octagonal_Shape_int16_t_from_Int16_Box (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.41.2.5 int ppl_new_Octagonal_Shape_int16_t_from_Int32_Box (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.41.2.6 int ppl_new_Octagonal_Shape_int16_t_from_Int64_Box (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.41.2.7 int ppl_new_Octagonal_Shape_int16_t_from_Uint8_Box (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.41.2.8 int ppl_new_Octagonal_Shape_int16_t_from_Uint16_Box (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.41.2.9 int ppl_new_Octagonal_Shape_int16_t_from_Uint32_Box (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.41.2.10 int ppl_new_Octagonal_Shape_int16_t_from_Uint64_Box (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.41.2.11 int ppl_new_Octagonal_Shape_int16_t_from_Z_Box (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.41.2.12 int ppl_new_Octagonal_Shape_int16_t_from_Rational_Box (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.41.2.13 int ppl_new_Octagonal_Shape_int16_t_from_BD_Shape_int8_t (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.41.2.14 int ppl_new_Octagonal_Shape_int16_t_from_BD_Shape_int16_t (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.41.2.15 int ppl_new_Octagonal_Shape_int16_t_from_BD_Shape_int32_t (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.41.2.16 int ppl_new_Octagonal_Shape_int16_t_from_BD_Shape_int64_t (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.41.2.17 int ppl_new_Octagonal_Shape_int16_t_from_BD_Shape_mpz_class (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.41.2.18 int ppl_new_Octagonal_Shape_int16_t_from_BD_Shape_mpq_class (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.41.2.19 int ppl_new_Octagonal_Shape_int16_t_from_Octagonal_Shape_int8_t (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.41.2.20 int ppl_new_Octagonal_Shape_int16_t_from_Octagonal_Shape_int16_t (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.41.2.21 int ppl_new_Octagonal_Shape_int16_t_from_Octagonal_Shape_int32_t (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.41.2.22 int ppl_new_Octagonal_Shape_int16_t_from_Octagonal_Shape_int64_t (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.41.2.23 int ppl_new_Octagonal_Shape_int16_t_from_Octagonal_Shape_mpz_class (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.41.2.24 int ppl_new_Octagonal_Shape_int16_t_from_Octagonal_Shape_mpq_class (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.41.2.25 int ppl_new_Octagonal_Shape_int16_t_from_C_Polyhedron (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.41.2.26 int ppl_new_Octagonal_Shape_int16_t_from_NNC_Polyhedron (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.41.2.27 int ppl_new_Octagonal_Shape_int16_t_from_Grid (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.41.2.28 int ppl_new_Octagonal_Shape_int16_t_from_Float_Box (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.41.2.29 int ppl_new_Octagonal_Shape_int16_t_from_BD_Shape_float (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.41.2.30 int ppl_new_Octagonal_Shape_int16_t_from_Octagonal_Shape_float (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.41.2.31 int ppl_new_Octagonal_Shape_int16_t_from_Double_Box (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.41.2.32 int ppl_new_Octagonal_Shape_int16_t_from_BD_Shape_double (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.41.2.33 int ppl_new_Octagonal_Shape_int16_t_from_Octagonal_Shape_double (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.41.2.34 int ppl_new_Octagonal_Shape_int16_t_from_Long_Double_Box (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.41.2.35 int ppl_new_Octagonal_Shape_int16_t_from_BD_Shape_long_double (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.41.2.36 int ppl_new_Octagonal_Shape_int16_t_from_Octagonal_Shape_long_double (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.41.2.37 int ppl_new_Octagonal_Shape_int16_t_from_Int8_Box_with_complexity (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.41.2.38 int ppl_new_Octagonal_Shape_int16_t_from_Int16_Box_with_complexity (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.41.2.39 int ppl_new_Octagonal_Shape_int16_t_from_Int32_Box_with_complexity (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.41.2.40 int ppl_new_Octagonal_Shape_int16_t_from_Int64_Box_with_complexity (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.41.2.41 int ppl_new_Octagonal_Shape_int16_t_from_Uint8_Box_with_complexity (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.41.2.42 int ppl_new_Octagonal_Shape_int16_t_from_Uint16_Box_with_complexity (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.41.2.43 int ppl_new_Octagonal_Shape_int16_t_from_Uint32_Box_with_complexity (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.41.2.44 int ppl_new_Octagonal_Shape_int16_t_from_Uint64_Box_with_complexity (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.41.2.45 int ppl_new_Octagonal_Shape_int16_t_from_Z_Box_with_complexity (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.41.2.46 int ppl_new_Octagonal_Shape_int16_t_from_Rational_Box_with_complexity (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.41.2.47 int ppl_new_Octagonal_Shape_int16_t_from_BD_Shape_int8_t_with_complexity (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.41.2.48 int ppl_new_Octagonal_Shape_int16_t_from_BD_Shape_int16_t_with_complexity (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.41.2.49 int ppl_new_Octagonal_Shape_int16_t_from_BD_Shape_int32_t_with_complexity (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.41.2.50 int ppl_new_Octagonal_Shape_int16_t_from_BD_Shape_int64_t_with_complexity (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.41.2.51 int ppl_new_Octagonal_Shape_int16_t_from_BD_Shape_mpz_class_with_complexity (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.41.2.52 int ppl_new_Octagonal_Shape_int16_t_from_BD_Shape_mpq_class_with_complexity (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.41.2.53 int ppl_new_Octagonal_Shape_int16_t_from_Octagonal_Shape_int8_t_with_complexity (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.41.2.54 int ppl_new_Octagonal_Shape_int16_t_from_Octagonal_Shape_int16_t_with_complexity (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.41.2.55 int ppl_new_Octagonal_Shape_int16_t_from_Octagonal_Shape_int32_t_with_complexity (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.41.2.56 int ppl_new_Octagonal_Shape_int16_t_from_Octagonal_Shape_int64_t_with_complexity (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.41.2.57 int ppl_new_Octagonal_Shape_int16_t_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.41.2.58 int ppl_new_Octagonal_Shape_int16_t_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.41.2.59 int ppl_new_Octagonal_Shape_int16_t_from_C_Polyhedron_with_complexity (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.41.2.60 int ppl_new_Octagonal_Shape_int16_t_from_NNC_Polyhedron_with_complexity (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.41.2.61 int ppl_new_Octagonal_Shape_int16_t_from_Grid_with_complexity (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.41.2.62 int ppl_new_Octagonal_Shape_int16_t_from_Float_Box_with_complexity (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.41.2.63 int ppl_new_Octagonal_Shape_int16_t_from_BD_Shape_float_with_complexity (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.41.2.64 int ppl_new_Octagonal_Shape_int16_t_from_Octagonal_Shape_float_with_complexity (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.41.2.65 int ppl_new_Octagonal_Shape_int16_t_from_Double_Box_with_complexity (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.41.2.66 int ppl_new_Octagonal_Shape_int16_t_from_BD_Shape_double_with_complexity (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.41.2.67 int ppl_new_Octagonal_Shape_int16_t_from_Octagonal_Shape_-double_with_complexity (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.41.2.68 int ppl_new_Octagonal_Shape_int16_t_from_Long_Double_Box_with_complexity (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.41.2.69 int ppl_new_Octagonal_Shape_int16_t_from_BD_Shape_long_double_with_complexity (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.41.2.70 int ppl_new_Octagonal_Shape_int16_t_from_Octagonal_Shape_-long_double_with_complexity (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.41.2.71 int ppl_new_Octagonal_Shape_int16_t_from_Constraint_System (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.41.2.72 int ppl_new_Octagonal_Shape_int16_t_from_Congruence_System (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.41.2.73 int ppl_new_Octagonal_Shape_int16_t_from_Generator_System (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Generator_System_t *cs*) [related]

7.41.2.74 int ppl_Octagonal_Shape_int16_t_space_dimension (ppl_const_Octagonal_Shape_-int16_t_t *ph*, ppl_dimension_type * *m*) [related]

7.41.2.75 int ppl_Octagonal_Shape_int16_t_affine_dimension (ppl_const_Octagonal_Shape_-int16_t_t *ph*, ppl_dimension_type * *m*) [related]

7.41.2.76 int ppl_Octagonal_Shape_int16_t_relation_with_Constraint (ppl_const_Octagonal_Shape_int16_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.41.2.77 int ppl_Octagonal_Shape_int16_t_relation_with_Generator (ppl_const_Octagonal_Shape_int16_t_t *ph*, ppl_const_Generator_t *c*) [related]

7.41.2.78 int ppl_Octagonal_Shape_int16_t_relation_with_Congruence (ppl_const_Octagonal_Shape_int16_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.41.2.79 int ppl_Octagonal_Shape_int16_t_get_constraints (ppl_const_-Octagonal_Shape_int16_t_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.41.2.80 int ppl_Octagonal_Shape_int16_t_get_congruences (ppl_const_-Octagonal_Shape_int16_t_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.41.2.81 int ppl_Octagonal_Shape_int16_t_get_minimized_constraints (ppl_const_-Octagonal_Shape_int16_t_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.41.2.82 int ppl_Octagonal_Shape_int16_t_get_minimized_congruences (ppl_const_Octagonal_Shape_int16_t_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.41.2.83 int ppl_Octagonal_Shape_int16_t_is_empty (ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.41.2.84 int ppl_Octagonal_Shape_int16_t_is_universe (ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.41.2.85 int ppl_Octagonal_Shape_int16_t_is_bounded (ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.41.2.86 int ppl_Octagonal_Shape_int16_t_contains_integer_point (ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.41.2.87 int ppl_Octagonal_Shape_int16_t_is_topologically_closed (ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.41.2.88 int ppl_Octagonal_Shape_int16_t_is_discrete (ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.41.2.89 int ppl_Octagonal_Shape_int16_t_topological_closure_assign (ppl_Octagonal_Shape_int16_t_t *ph*) [related]

7.41.2.90 int ppl_Octagonal_Shape_int16_t_bounds_from_above (ppl_const_Octagonal_Shape_int16_t_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.41.2.91 int ppl_Octagonal_Shape_int16_t_bounds_from_below (ppl_const_Octagonal_Shape_int16_t_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.41.2.92 int ppl_Octagonal_Shape_int16_t_maximize (ppl_const_Octagonal_Shape_int16_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.41.2.93 int ppl_Octagonal_Shape_int16_t_minimize (ppl_const_Octagonal_Shape_int16_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.41.2.94 int ppl_Octagonal_Shape_int16_t_maximize_with_point (ppl_const_Octagonal_Shape_int16_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.41.2.95 int ppl_Octagonal_Shape_int16_t_minimize_with_point (ppl_const_Octagonal_Shape_int16_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.41.2.96 int ppl_Octagonal_Shape_int16_t_frequency (ppl_const_Octagonal_Shape_int16_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_fn*, ppl_Coefficient_t *ext_fd*, ppl_Coefficient_t *ext_vn*, ppl_Coefficient_t *ext_vd*) [related]

7.41.2.97 int ppl_Octagonal_Shape_int16_t_contains_Octagonal_Shape_int16_t (ppl_const_Octagonal_Shape_int16_t_t *x*, ppl_const_Octagonal_Shape_int16_t_t *y*) [related]

7.41.2.98 int ppl_Octagonal_Shape_int16_t_strictly_contains_Octagonal_Shape_int16_t (ppl_const_Octagonal_Shape_int16_t_t *x*, ppl_const_Octagonal_Shape_int16_t_t *y*) [related]

7.41.2.99 int ppl_Octagonal_Shape_int16_t_is_disjoint_from_Octagonal_Shape_int16_t (ppl_const_Octagonal_Shape_int16_t_t *x*, ppl_const_Octagonal_Shape_int16_t_t *y*) [related]

7.41.2.100 int ppl_Octagonal_Shape_int16_t_equals_Octagonal_Shape_int16_t (ppl_const_Octagonal_Shape_int16_t_t *x*, ppl_const_Octagonal_Shape_int16_t_t *y*) [related]

7.41.2.101 int ppl_Octagonal_Shape_int16_t_OK (ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.41.2.102 int ppl_Octagonal_Shape_int16_t_add_constraint (ppl_Octagonal_Shape_int16_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.41.2.103 int ppl_Octagonal_Shape_int16_t_add_congruence (ppl_Octagonal_Shape_int16_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.41.2.104 int ppl_Octagonal_Shape_int16_t_add_constraints (ppl_Octagonal_Shape_int16_t_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.41.2.105 int ppl_Octagonal_Shape_int16_t_add_congruences (ppl_Octagonal_Shape_int16_t_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.41.2.106 int ppl_Octagonal_Shape_int16_t_refine_with_constraint (ppl_Octagonal_Shape_int16_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.41.2.107 int ppl_Octagonal_Shape_int16_t_refine_with_congruence (ppl_Octagonal_Shape_int16_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.41.2.108 int ppl_Octagonal_Shape_int16_t_refine_with_constraints (ppl_Octagonal_Shape_int16_t_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.41.2.109 int ppl_Octagonal_Shape_int16_t_refine_with_congruences (ppl_Octagonal_Shape_int16_t_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.41.2.110 int ppl_Octagonal_Shape_int16_t_intersection_assign (ppl_Octagonal_Shape_int16_t_t *x*, ppl_const_Octagonal_Shape_int16_t_t *y*) [related]

7.41.2.111 int ppl_Octagonal_Shape_int16_t_upper_bound_assign (ppl_Octagonal_Shape_int16_t_t *x*, ppl_const_Octagonal_Shape_int16_t_t *y*) [related]

7.41.2.112 int ppl_Octagonal_Shape_int16_t_difference_assign (ppl_Octagonal_Shape_int16_t_t *x*, ppl_const_Octagonal_Shape_int16_t_t *y*) [related]

7.41.2.113 int ppl_Octagonal_Shape_int16_t_concatenate_assign (ppl_Octagonal_Shape_int16_t_t *x*, ppl_const_Octagonal_Shape_int16_t_t *y*) [related]

7.41.2.114 int ppl_Octagonal_Shape_int16_t_time_elapse_assign (ppl_Octagonal_Shape_int16_t_t *x*, ppl_const_Octagonal_Shape_int16_t_t *y*) [related]

7.41.2.115 int ppl_Octagonal_Shape_int16_t_upper_bound_assign_if_exact (ppl_Octagonal_Shape_int16_t_t *x*, ppl_const_Octagonal_Shape_int16_t_t *y*) [related]

7.41.2.116 int ppl_Octagonal_Shape_int16_t_simplify_using_context_assign (ppl_Octagonal_Shape_int16_t_t *x*, ppl_const_Octagonal_Shape_int16_t_t *y*) [related]

7.41.2.117 int ppl_Octagonal_Shape_int16_t_constrains (ppl_Octagonal_Shape_int16_t_t *ph*, ppl_dimension_type *var*) [related]

7.41.2.118 int ppl_Octagonal_Shape_int16_t_unconstrain_space_dimension (ppl_Octagonal_Shape_int16_t_t *ph*, ppl_dimension_type *var*) [related]

7.41.2.119 int ppl_Octagonal_Shape_int16_t_unconstrain_space_dimensions (ppl_Octagonal_Shape_int16_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.41.2.120 int ppl_Octagonal_Shape_int16_t_affine_image (ppl_Octagonal_Shape_int16_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.41.2.121 int ppl_Octagonal_Shape_int16_t_affine_preimage (ppl_Octagonal_Shape_int16_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.41.2.122 int ppl_Octagonal_Shape_int16_t_bounded_affine_image (ppl_Octagonal_Shape_int16_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.41.2.123 int ppl_Octagonal_Shape_int16_t_bounded_affine_preimage (ppl_Octagonal_Shape_int16_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.41.2.124 int ppl_Octagonal_Shape_int16_t_generalized_affine_image (ppl_Octagonal_Shape_int16_t_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.41.2.125 int ppl_Octagonal_Shape_int16_t_generalized_affine_preimage (ppl_Octagonal_Shape_int16_t_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.41.2.126 int ppl_Octagonal_Shape_int16_t_generalized_affine_image_lhs_rhs (ppl_Octagonal_Shape_int16_t_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.41.2.127 int ppl_Octagonal_Shape_int16_t_generalized_affine_preimage_lhs_rhs (ppl_Octagonal_Shape_int16_t_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.41.2.128 int ppl_Octagonal_Shape_int16_t_add_space_dimensions_and_embed (ppl_Octagonal_Shape_int16_t_t *ph*, ppl_dimension_type *d*) [related]

7.41.2.129 int ppl_Octagonal_Shape_int16_t_add_space_dimensions_and_project (ppl_Octagonal_Shape_int16_t_t *ph*, ppl_dimension_type *d*) [related]

7.41.2.130 int ppl_Octagonal_Shape_int16_t_remove_space_dimensions (ppl_Octagonal_Shape_int16_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.41.2.131 int ppl_Octagonal_Shape_int16_t_remove_higher_space_dimensions (ppl_Octagonal_Shape_int16_t_t *ph*, ppl_dimension_type *d*) [related]

7.41.2.132 int ppl_Octagonal_Shape_int16_t_expand_space_dimension (ppl_Octagonal_-Shape_int16_t_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.41.2.133 int ppl_Octagonal_Shape_int16_t_fold_space_dimensions (ppl_Octagonal_-Shape_int16_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.41.2.134 int ppl_Octagonal_Shape_int16_t_map_space_dimensions (ppl_-Octagonal_Shape_int16_t_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.41.2.135 int ppl_Octagonal_Shape_int16_t_drop_some_non_integer_points (ppl_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.41.2.136 int ppl_Octagonal_Shape_int16_t_drop_some_non_integer_points_2 (ppl_Octagonal_Shape_int16_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.41.2.137 int ppl_Octagonal_Shape_int16_t_external_memory_in_bytes (ppl_const_Octagonal_Shape_int16_t_t *ps*, size_t * *sz*) [related]

7.41.2.138 int ppl_Octagonal_Shape_int16_t_total_memory_in_bytes (ppl_const_Octagonal_Shape_int16_t_t *ps*, size_t * *sz*) [related]

7.41.2.139 int ppl_Octagonal_Shape_int16_t_BHMZ05_widening_assign_with_tokens (ppl_Octagonal_Shape_int16_t_t *x*, ppl_const_Octagonal_Shape_int16_t_t *y*, unsigned * *tp*) [related]

7.41.2.140 int ppl_Octagonal_Shape_int16_t_BHMZ05_widening_assign (ppl_Octagonal_Shape_int16_t_t *x*, ppl_const_Octagonal_Shape_int16_t_t *y*) [related]

7.41.2.141 int ppl_Octagonal_Shape_int16_t_widening_assign_with_tokens (ppl_Octagonal_Shape_int16_t_t *x*, ppl_const_Octagonal_Shape_int16_t_t *y*, unsigned * *tp*) [related]

7.41.2.142 int ppl_Octagonal_Shape_int16_t_widening_assign (ppl_Octagonal_Shape_int16_t_t *x*, ppl_const_Octagonal_Shape_int16_t_t *y*) [related]

7.41.2.143 int ppl_Octagonal_Shape_int16_t_limited_BHMZ05_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_int16_t_t *x*, ppl_const_Octagonal_Shape_int16_t_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.41.2.144 int ppl_Octagonal_Shape_int16_t_limited_CC76_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_int16_t_t *x*, ppl_const_Octagonal_Shape_int16_t_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.41.2.145 int ppl_Octagonal_Shape_int16_t_limited_BHMZ05_extrapolation_assign (ppl_Octagonal_Shape_int16_t_t *x*, ppl_const_Octagonal_Shape_int16_t_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.41.2.146 int ppl_Octagonal_Shape_int16_t_limited_CC76_extrapolation_assign (ppl_Octagonal_Shape_int16_t_t *x*, ppl_const_Octagonal_Shape_int16_t_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.41.2.147 int ppl_Octagonal_Shape_int16_t_CC76_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_int16_t_t *x*, ppl_const_Octagonal_Shape_int16_t_t *y*, unsigned * *tp*) [related]

7.41.2.148 int ppl_Octagonal_Shape_int16_t_CC76_extrapolation_assign (ppl_Octagonal_Shape_int16_t_t *x*, ppl_const_Octagonal_Shape_int16_t_t *y*) [related]

7.41.2.149 int ppl_Octagonal_Shape_int16_t_CC76_narrowing_assign (ppl_Octagonal_Shape_int16_t_t *x*, ppl_const_Octagonal_Shape_int16_t_t *y*) [related]

7.41.2.150 int ppl_Octagonal_Shape_int16_t_linear_partition (ppl_const_Octagonal_Shape_int16_t_t *x*, ppl_const_Octagonal_Shape_int16_t_t *y*, ppl_Octagonal_Shape_int16_t_t * *p_inters*, ppl_Pointset_Powerset_NNC_Polyhedron_t * *p_rest*) [related]

7.41.2.151 int ppl_Octagonal_Shape_int16_t_wrap_assign (ppl_Octagonal_Shape_int16_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, enum ppl_enum_Bounded_Integer_Type_Width *w*, enum ppl_enum_Bounded_Integer_Type_Representation *r*, enum ppl_enum_Bounded_Integer_Type_Overflow *o*, const ppl_const_Constraint_System_t * *pcs*, unsigned *complexity_threshold*, int *wrap_individually*) [related]

7.41.2.152 int ppl_new_Octagonal_Shape_int16_t_recycle_Constraint_System (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_Constraint_System_t *cs*) [related]

7.41.2.153 int ppl_new_Octagonal_Shape_int16_t_recycle_Congruence_System (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_Congruence_System_t *cs*) [related]

7.41.2.154 int ppl_new_Octagonal_Shape_int16_t_recycle_Generator_System (ppl_Octagonal_Shape_int16_t_t * *pph*, ppl_Generator_System_t *cs*) [related]

7.41.2.155 int ppl_assign_Octagonal_Shape_int16_t_from_Octagonal_Shape_int16_t (ppl_Octagonal_Shape_int16_t_t *dst*, ppl_const_Octagonal_Shape_int16_t_t *src*) [related]

7.41.2.156 int ppl_Octagonal_Shape_int16_t_add_recycled_constraints (ppl_Octagonal_Shape_int16_t_t *ph*, ppl_Constraint_System_t *cs*) [related]

7.41.2.157 int ppl_Octagonal_Shape_int16_t_add_recycled_congruences (ppl_Octagonal_Shape_int16_t_t *ph*, ppl_Congruence_System_t *cs*) [related]

7.41.2.158 int ppl_termination_test_MS_Octagonal_Shape_int16_t (ppl_const_Octagonal_Shape_int16_t_t *pset*) [related]

7.41.2.159 int ppl_termination_test_PR_Octagonal_Shape_int16_t (ppl_const_Octagonal_Shape_int16_t_t *pset*) [related]

7.41.2.160 int ppl_one_affine_ranking_function_MS_Octagonal_Shape_int16_t (ppl_const_Octagonal_Shape_int16_t_t *pset*, ppl_Generator_t *point*) [related]

7.41.2.161 int ppl_one_affine_ranking_function_PR_Octagonal_Shape_int16_t (ppl_const_Octagonal_Shape_int16_t_t *pset*, ppl_Generator_t *point*) [related]

7.41.2.162 int ppl_all_affine_ranking_functions_MS_Octagonal_Shape_int16_t (ppl_const_Octagonal_Shape_int16_t_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.41.2.163 int ppl_all_affine_ranking_functions_PR_Octagonal_Shape_int16_t (ppl_const_Octagonal_Shape_int16_t_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.41.2.164 int ppl_termination_test_MS_Octagonal_Shape_int16_t_2 (ppl_const_Octagonal_Shape_int16_t_t *pset_before*, ppl_const_Octagonal_Shape_int16_t_t *pset_after*) [related]

7.41.2.165 int ppl_termination_test_PR_Octagonal_Shape_int16_t_2 (ppl_const_Octagonal_Shape_int16_t_t *pset_before*, ppl_const_Octagonal_Shape_int16_t_t *pset_after*) [related]

7.41.2.166 int ppl_one_affine_ranking_function_MS_Octagonal_Shape_int16_t_2 (ppl_const_Octagonal_Shape_int16_t_t *pset_before*, ppl_const_Octagonal_Shape_int16_t_t *pset_after*, ppl_Generator_t *point*) [related]

7.41.2.167 int ppl_one_affine_ranking_function_PR_Octagonal_Shape_int16_t_2 (ppl_const_Octagonal_Shape_int16_t_t *pset_before*, ppl_const_Octagonal_Shape_int16_t_t *pset_after*, ppl_Generator_t *point*) [related]

7.41.2.168 int ppl_all_affine_ranking_functions_MS_Octagonal_Shape_int16_t_2 (ppl_const_Octagonal_Shape_int16_t_t *pset_before*, ppl_const_Octagonal_Shape_int16_t_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.41.2.169 int ppl_all_affine_ranking_functions_PR_Octagonal_Shape_int16_t_2 (ppl_const_Octagonal_Shape_int16_t_t *pset_before*, ppl_const_Octagonal_Shape_int16_t_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.41.2.170 int ppl_io_print_Octagonal_Shape_int16_t (ppl_const_Octagonal_Shape_int16_t_t *x*) [related]

7.41.2.171 int ppl_io_fprint_Octagonal_Shape_int16_t (FILE * *stream*, ppl_const_Octagonal_Shape_int16_t_t *x*) [related]

7.41.2.172 int ppl_io_asprint_Octagonal_Shape_int16_t (char ** *strp*, ppl_const_Octagonal_Shape_int16_t_t *x*) [related]

7.41.2.173 int ppl_Octagonal_Shape_int16_t_ascii_dump (ppl_const_Octagonal_Shape_int16_t_t *x*, FILE * *stream*) [related]

7.41.2.174 int ppl_Octagonal_Shape_int16_t_ascii_load (ppl_Octagonal_Shape_int16_t_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.42 ppl_Octagonal_Shape_int32_t_tag Interface Reference

Types and functions for ppl_Octagonal_Shape_int32_t_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Octagonal_Shape_int32_t (ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_Octagonal_Shape_int32_t_from_space_dimension (ppl_Octagonal_Shape_int32_t_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Octagonal_Shape_int32_t_from_Int8_Box (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Int8_Box_t ph)
- int ppl_new_Octagonal_Shape_int32_t_from_Int16_Box (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_Octagonal_Shape_int32_t_from_Int32_Box (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_Octagonal_Shape_int32_t_from_Int64_Box (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_Octagonal_Shape_int32_t_from_Uint8_Box (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_Octagonal_Shape_int32_t_from_Uint16_Box (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Uint16_Box_t ph)
- int ppl_new_Octagonal_Shape_int32_t_from_Uint32_Box (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_Octagonal_Shape_int32_t_from_Uint64_Box (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_Octagonal_Shape_int32_t_from_Z_Box (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Z_Box_t ph)
- int ppl_new_Octagonal_Shape_int32_t_from_Rational_Box (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_Octagonal_Shape_int32_t_from_BD_Shape_int8_t (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_Octagonal_Shape_int32_t_from_BD_Shape_int16_t (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_Octagonal_Shape_int32_t_from_BD_Shape_int32_t (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_Octagonal_Shape_int32_t_from_BD_Shape_int64_t (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_Octagonal_Shape_int32_t_from_BD_Shape_mpz_class (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_Octagonal_Shape_int32_t_from_BD_Shape_mpq_class (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_Octagonal_Shape_int32_t_from_Octagonal_Shape_int8_t (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_Octagonal_Shape_int32_t_from_Octagonal_Shape_int16_t (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_Octagonal_Shape_int32_t_from_Octagonal_Shape_int32_t (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_Octagonal_Shape_int32_t_from_Octagonal_Shape_int64_t (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_Octagonal_Shape_int32_t_from_Octagonal_Shape_mpz_class (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_Octagonal_Shape_int32_t_from_Octagonal_Shape_mpq_class (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)

- int ppl_new_Octagonal_Shape_int32_t_from_C_Polyhedron (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Octagonal_Shape_int32_t_from_NNC_Polyhedron (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Octagonal_Shape_int32_t_from_Grid (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Grid_t ph)
- int ppl_new_Octagonal_Shape_int32_t_from_Float_Box (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_Octagonal_Shape_int32_t_from_BD_Shape_float (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_BD_Shape_float_t ph)
- int ppl_new_Octagonal_Shape_int32_t_from_Octagonal_Shape_float (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_Octagonal_Shape_int32_t_from_Double_Box (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Double_Box_t ph)
- int ppl_new_Octagonal_Shape_int32_t_from_BD_Shape_double (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_BD_Shape_double_t ph)
- int ppl_new_Octagonal_Shape_int32_t_from_Octagonal_Shape_double (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_Octagonal_Shape_int32_t_from_Long_Double_Box (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Long_Double_Box_t ph)
- int ppl_new_Octagonal_Shape_int32_t_from_BD_Shape_long_double (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_Octagonal_Shape_int32_t_from_Octagonal_Shape_long_double (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_Octagonal_Shape_int32_t_from_Int8_Box_with_complexity (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Int8_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int32_t_from_Int16_Box_with_complexity (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int32_t_from_Int32_Box_with_complexity (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int32_t_from_Int64_Box_with_complexity (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int32_t_from_Uint8_Box_with_complexity (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int32_t_from_Uint16_Box_with_complexity (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int32_t_from_Uint32_Box_with_complexity (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Uint32_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int32_t_from_Uint64_Box_with_complexity (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int32_t_from_Z_Box_with_complexity (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int32_t_from_Rational_Box_with_complexity (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int32_t_from_BD_Shape_int8_t_with_complexity (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int32_t_from_BD_Shape_int16_t_with_complexity (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int32_t_from_BD_Shape_int32_t_with_complexity (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int32_t_from_BD_Shape_int64_t_with_complexity (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)

- int ppl_new_Octagonal_Shape_int32_t_from_BD_Shape_mpz_class_with_complexity (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int32_t_from_BD_Shape_mpq_class_with_complexity (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int32_t_from_Octagonal_Shape_int8_t_with_complexity (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int32_t_from_Octagonal_Shape_int16_t_with_complexity (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int32_t_from_Octagonal_Shape_int32_t_with_complexity (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int32_t_from_Octagonal_Shape_int64_t_with_complexity (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int32_t_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int32_t_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int32_t_from_C_Polyhedron_with_complexity (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int32_t_from_NNC_Polyhedron_with_complexity (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int32_t_from_Grid_with_complexity (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int32_t_from_Float_Box_with_complexity (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int32_t_from_BD_Shape_float_with_complexity (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int32_t_from_Octagonal_Shape_float_with_complexity (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int32_t_from_Double_Box_with_complexity (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int32_t_from_BD_Shape_double_with_complexity (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int32_t_from_Octagonal_Shape_double_with_complexity (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int32_t_from_Long_Double_Box_with_complexity (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int32_t_from_BD_Shape_long_double_with_complexity (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int32_t_from_Octagonal_Shape_long_double_with_complexity (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int32_t_from_Constraint_System (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Octagonal_Shape_int32_t_from_Congruence_System (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_new_Octagonal_Shape_int32_t_from_Generator_System (ppl_Octagonal_Shape_int32_t_t *pph, ppl_const_Generator_System_t cs)
- int ppl_Octagonal_Shape_int32_t_space_dimension (ppl_const_Octagonal_Shape_int32_t_t ph, ppl_dimension_type *m)

- int ppl_Octagonal_Shape_int32_t_affine_dimension (ppl_const_Octagonal_Shape_int32_t_t ph, ppl_dimension_type *m)
- int ppl_Octagonal_Shape_int32_t_relation_with_Constraint (ppl_const_Octagonal_Shape_int32_t_t ph, ppl_const_Constraint_t c)
- int ppl_Octagonal_Shape_int32_t_relation_with_Generator (ppl_const_Octagonal_Shape_int32_t_t ph, ppl_const_Generator_t c)
- int ppl_Octagonal_Shape_int32_t_relation_with_Congruence (ppl_const_Octagonal_Shape_int32_t_t ph, ppl_const_Congruence_t c)
- int ppl_Octagonal_Shape_int32_t_get_constraints (ppl_const_Octagonal_Shape_int32_t_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Octagonal_Shape_int32_t_get_congruences (ppl_const_Octagonal_Shape_int32_t_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Octagonal_Shape_int32_t_get_minimized_constraints (ppl_const_Octagonal_Shape_int32_t_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Octagonal_Shape_int32_t_get_minimized_congruences (ppl_const_Octagonal_Shape_int32_t_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Octagonal_Shape_int32_t_is_empty (ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_Octagonal_Shape_int32_t_is_universe (ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_Octagonal_Shape_int32_t_is_bounded (ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_Octagonal_Shape_int32_t_contains_integer_point (ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_Octagonal_Shape_int32_t_is_topologically_closed (ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_Octagonal_Shape_int32_t_is_discrete (ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_Octagonal_Shape_int32_t_topological_closure_assign (ppl_Octagonal_Shape_int32_t_t ph)
- int ppl_Octagonal_Shape_int32_t_bounds_from_above (ppl_const_Octagonal_Shape_int32_t_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Octagonal_Shape_int32_t_bounds_from_below (ppl_const_Octagonal_Shape_int32_t_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Octagonal_Shape_int32_t_maximize (ppl_const_Octagonal_Shape_int32_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Octagonal_Shape_int32_t_minimize (ppl_const_Octagonal_Shape_int32_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Octagonal_Shape_int32_t_maximize_with_point (ppl_const_Octagonal_Shape_int32_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Octagonal_Shape_int32_t_minimize_with_point (ppl_const_Octagonal_Shape_int32_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Octagonal_Shape_int32_t_frequency (ppl_const_Octagonal_Shape_int32_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_fn, ppl_Coefficient_t ext_fd, ppl_Coefficient_t ext_vn, ppl_Coefficient_t ext_vd)
- int ppl_Octagonal_Shape_int32_t_contains_Octagonal_Shape_int32_t (ppl_const_Octagonal_Shape_int32_t_t x, ppl_const_Octagonal_Shape_int32_t_t y)
- int ppl_Octagonal_Shape_int32_t_strictly_contains_Octagonal_Shape_int32_t (ppl_const_Octagonal_Shape_int32_t_t x, ppl_const_Octagonal_Shape_int32_t_t y)
- int ppl_Octagonal_Shape_int32_t_is_disjoint_from_Octagonal_Shape_int32_t (ppl_const_Octagonal_Shape_int32_t_t x, ppl_const_Octagonal_Shape_int32_t_t y)
- int ppl_Octagonal_Shape_int32_t_equals_Octagonal_Shape_int32_t (ppl_const_Octagonal_Shape_int32_t_t x, ppl_const_Octagonal_Shape_int32_t_t y)
- int ppl_Octagonal_Shape_int32_t_OK (ppl_const_Octagonal_Shape_int32_t_t ph)

- int ppl_Octagonal_Shape_int32_t_add_constraint (ppl_Octagonal_Shape_int32_t_t ph, ppl_const_Constraint_t c)
- int ppl_Octagonal_Shape_int32_t_add_congruence (ppl_Octagonal_Shape_int32_t_t ph, ppl_const_Congruence_t c)
- int ppl_Octagonal_Shape_int32_t_add_constraints (ppl_Octagonal_Shape_int32_t_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Octagonal_Shape_int32_t_add_congruences (ppl_Octagonal_Shape_int32_t_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Octagonal_Shape_int32_t_refine_with_constraint (ppl_Octagonal_Shape_int32_t_t ph, ppl_const_Constraint_t c)
- int ppl_Octagonal_Shape_int32_t_refine_with_congruence (ppl_Octagonal_Shape_int32_t_t ph, ppl_const_Congruence_t c)
- int ppl_Octagonal_Shape_int32_t_refine_with_constraints (ppl_Octagonal_Shape_int32_t_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Octagonal_Shape_int32_t_refine_with_congruences (ppl_Octagonal_Shape_int32_t_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Octagonal_Shape_int32_t_intersection_assign (ppl_Octagonal_Shape_int32_t_t x, ppl_const_Octagonal_Shape_int32_t_t y)
- int ppl_Octagonal_Shape_int32_t_upper_bound_assign (ppl_Octagonal_Shape_int32_t_t x, ppl_const_Octagonal_Shape_int32_t_t y)
- int ppl_Octagonal_Shape_int32_t_difference_assign (ppl_Octagonal_Shape_int32_t_t x, ppl_const_Octagonal_Shape_int32_t_t y)
- int ppl_Octagonal_Shape_int32_t_concatenate_assign (ppl_Octagonal_Shape_int32_t_t x, ppl_const_Octagonal_Shape_int32_t_t y)
- int ppl_Octagonal_Shape_int32_t_time_elapse_assign (ppl_Octagonal_Shape_int32_t_t x, ppl_const_Octagonal_Shape_int32_t_t y)
- int ppl_Octagonal_Shape_int32_t_upper_bound_assign_if_exact (ppl_Octagonal_Shape_int32_t_t x, ppl_const_Octagonal_Shape_int32_t_t y)
- int ppl_Octagonal_Shape_int32_t_simplify_using_context_assign (ppl_Octagonal_Shape_int32_t_t x, ppl_const_Octagonal_Shape_int32_t_t y)
- int ppl_Octagonal_Shape_int32_t_constrains (ppl_Octagonal_Shape_int32_t_t ph, ppl_dimension_type var)
- int ppl_Octagonal_Shape_int32_t_unconstrain_space_dimension (ppl_Octagonal_Shape_int32_t_t ph, ppl_dimension_type var)
- int ppl_Octagonal_Shape_int32_t_unconstrain_space_dimensions (ppl_Octagonal_Shape_int32_t_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Octagonal_Shape_int32_t_affine_image (ppl_Octagonal_Shape_int32_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_int32_t_affine_preimage (ppl_Octagonal_Shape_int32_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_int32_t_bounded_affine_image (ppl_Octagonal_Shape_int32_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_int32_t_bounded_affine_preimage (ppl_Octagonal_Shape_int32_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_int32_t_generalized_affine_image (ppl_Octagonal_Shape_int32_t_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_int32_t_generalized_affine_preimage (ppl_Octagonal_Shape_int32_t_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)

- int ppl_Octagonal_Shape_int32_t_generalized_affine_image_lhs_rhs (ppl_Octagonal_Shape_int32_t_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Octagonal_Shape_int32_t_generalized_affine_preimage_lhs_rhs (ppl_Octagonal_Shape_int32_t_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Octagonal_Shape_int32_t_add_space_dimensions_and_embed (ppl_Octagonal_Shape_int32_t_t ph, ppl_dimension_type d)
- int ppl_Octagonal_Shape_int32_t_add_space_dimensions_and_project (ppl_Octagonal_Shape_int32_t_t ph, ppl_dimension_type d)
- int ppl_Octagonal_Shape_int32_t_remove_space_dimensions (ppl_Octagonal_Shape_int32_t_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Octagonal_Shape_int32_t_remove_higher_space_dimensions (ppl_Octagonal_Shape_int32_t_t ph, ppl_dimension_type d)
- int ppl_Octagonal_Shape_int32_t_expand_space_dimension (ppl_Octagonal_Shape_int32_t_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Octagonal_Shape_int32_t_fold_space_dimensions (ppl_Octagonal_Shape_int32_t_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Octagonal_Shape_int32_t_map_space_dimensions (ppl_Octagonal_Shape_int32_t_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Octagonal_Shape_int32_t_drop_some_non_integer_points (ppl_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_Octagonal_Shape_int32_t_drop_some_non_integer_points_2 (ppl_Octagonal_Shape_int32_t_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Octagonal_Shape_int32_t_external_memory_in_bytes (ppl_const_Octagonal_Shape_int32_t_t ps, size_t *sz)
- int ppl_Octagonal_Shape_int32_t_total_memory_in_bytes (ppl_const_Octagonal_Shape_int32_t_t ps, size_t *sz)
- int ppl_Octagonal_Shape_int32_t_BHMZ05_widening_assign_with_tokens (ppl_Octagonal_Shape_int32_t_t x, ppl_const_Octagonal_Shape_int32_t_t y, unsigned *tp)
- int ppl_Octagonal_Shape_int32_t_BHMZ05_widening_assign (ppl_Octagonal_Shape_int32_t_t x, ppl_const_Octagonal_Shape_int32_t_t y)
- int ppl_Octagonal_Shape_int32_t_widening_assign_with_tokens (ppl_Octagonal_Shape_int32_t_t x, ppl_const_Octagonal_Shape_int32_t_t y, unsigned *tp)
- int ppl_Octagonal_Shape_int32_t_widening_assign (ppl_Octagonal_Shape_int32_t_t x, ppl_const_Octagonal_Shape_int32_t_t y)
- int ppl_Octagonal_Shape_int32_t_limited_BHMZ05_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_int32_t_t x, ppl_const_Octagonal_Shape_int32_t_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_Octagonal_Shape_int32_t_limited_CC76_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_int32_t_t x, ppl_const_Octagonal_Shape_int32_t_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_Octagonal_Shape_int32_t_limited_BHMZ05_extrapolation_assign (ppl_Octagonal_Shape_int32_t_t x, ppl_const_Octagonal_Shape_int32_t_t y, ppl_const_Constraint_System_t cs)
- int ppl_Octagonal_Shape_int32_t_limited_CC76_extrapolation_assign (ppl_Octagonal_Shape_int32_t_t x, ppl_const_Octagonal_Shape_int32_t_t y, ppl_const_Constraint_System_t cs)
- int ppl_Octagonal_Shape_int32_t_CC76_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_int32_t_t x, ppl_const_Octagonal_Shape_int32_t_t y, unsigned *tp)
- int ppl_Octagonal_Shape_int32_t_CC76_extrapolation_assign (ppl_Octagonal_Shape_int32_t_t x, ppl_const_Octagonal_Shape_int32_t_t y)

- int ppl_Octagonal_Shape_int32_t_CC76_narrowing_assign (ppl_Octagonal_Shape_int32_t_t x, ppl_const_Octagonal_Shape_int32_t_t y)
- int ppl_Octagonal_Shape_int32_t_linear_partition (ppl_const_Octagonal_Shape_int32_t_t x, ppl_const_Octagonal_Shape_int32_t_t y, ppl_Octagonal_Shape_int32_t_t *p_inters, ppl_Pointset_Powerset_NNC_Polyhedron_t *p_rest)
- int ppl_Octagonal_Shape_int32_t_wrap_assign (ppl_Octagonal_Shape_int32_t_t ph, ppl_dimension_type ds[ ], size_t n, enum ppl_enum_Bounded_Integer_Type_Width w, enum ppl_enum_Bounded_Integer_Type_Representation r, enum ppl_enum_Bounded_Integer_Type_Overflow o, const ppl_const_Constraint_System_t *pcs, unsigned complexity_threshold, int wrap_individually)
- int ppl_new_Octagonal_Shape_int32_t_recycle_Constraint_System (ppl_Octagonal_Shape_int32_t_t *pph, ppl_Constraint_System_t cs)
- int ppl_new_Octagonal_Shape_int32_t_recycle_Congruence_System (ppl_Octagonal_Shape_int32_t_t *pph, ppl_Congruence_System_t cs)
- int ppl_new_Octagonal_Shape_int32_t_recycle_Generator_System (ppl_Octagonal_Shape_int32_t_t *pph, ppl_Generator_System_t cs)
- int ppl_assign_Octagonal_Shape_int32_t_from_Octagonal_Shape_int32_t (ppl_Octagonal_Shape_int32_t_t dst, ppl_const_Octagonal_Shape_int32_t_t src)
- int ppl_Octagonal_Shape_int32_t_add_recycled_constraints (ppl_Octagonal_Shape_int32_t_t ph, ppl_Constraint_System_t cs)
- int ppl_Octagonal_Shape_int32_t_add_recycled_congruences (ppl_Octagonal_Shape_int32_t_t ph, ppl_Congruence_System_t cs)
- int ppl_termination_test_MS_Octagonal_Shape_int32_t (ppl_const_Octagonal_Shape_int32_t_t pset)
- int ppl_termination_test_PR_Octagonal_Shape_int32_t (ppl_const_Octagonal_Shape_int32_t_t pset)
- int ppl_one_affine_ranking_function_MS_Octagonal_Shape_int32_t (ppl_const_Octagonal_Shape_int32_t_t pset, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Octagonal_Shape_int32_t (ppl_const_Octagonal_Shape_int32_t_t pset, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Octagonal_Shape_int32_t (ppl_const_Octagonal_Shape_int32_t_t pset, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Octagonal_Shape_int32_t (ppl_const_Octagonal_Shape_int32_t_t pset, ppl_Polyhedron_t ph)
- int ppl_termination_test_MS_Octagonal_Shape_int32_t_2 (ppl_const_Octagonal_Shape_int32_t_t pset_before, ppl_const_Octagonal_Shape_int32_t_t pset_after)
- int ppl_termination_test_PR_Octagonal_Shape_int32_t_2 (ppl_const_Octagonal_Shape_int32_t_t pset_before, ppl_const_Octagonal_Shape_int32_t_t pset_after)
- int ppl_one_affine_ranking_function_MS_Octagonal_Shape_int32_t_2 (ppl_const_Octagonal_Shape_int32_t_t pset_before, ppl_const_Octagonal_Shape_int32_t_t pset_after, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Octagonal_Shape_int32_t_2 (ppl_const_Octagonal_Shape_int32_t_t pset_before, ppl_const_Octagonal_Shape_int32_t_t pset_after, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Octagonal_Shape_int32_t_2 (ppl_const_Octagonal_Shape_int32_t_t pset_before, ppl_const_Octagonal_Shape_int32_t_t pset_after, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Octagonal_Shape_int32_t_2 (ppl_const_Octagonal_Shape_int32_t_t pset_before, ppl_const_Octagonal_Shape_int32_t_t pset_after, ppl_Polyhedron_t ph)
- int ppl_io_print_Octagonal_Shape_int32_t (ppl_const_Octagonal_Shape_int32_t_t x)

- int ppl_io_fprint_Octagonal_Shape_int32_t (FILE *stream, ppl_const_Octagonal_Shape_int32_t_t x)
- int ppl_io_asprint_Octagonal_Shape_int32_t (char **strp, ppl_const_Octagonal_Shape_int32_t_t x)
- int ppl_Octagonal_Shape_int32_t_ascii_dump (ppl_const_Octagonal_Shape_int32_t_t x, FILE *stream)
- int ppl_Octagonal_Shape_int32_t_ascii_load (ppl_Octagonal_Shape_int32_t_t x, FILE *stream)

7.42.1 Detailed Description

Types and functions for ppl_Octagonal_Shape_int32_t_tag.

7.42.2 Friends And Related Function Documentation

7.42.2.1 int ppl_delete_Octagonal_Shape_int32_t (ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.42.2.2 int ppl_new_Octagonal_Shape_int32_t_from_space_dimension (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.42.2.3 int ppl_new_Octagonal_Shape_int32_t_from_Int8_Box (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.42.2.4 int ppl_new_Octagonal_Shape_int32_t_from_Int16_Box (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.42.2.5 int ppl_new_Octagonal_Shape_int32_t_from_Int32_Box (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.42.2.6 int ppl_new_Octagonal_Shape_int32_t_from_Int64_Box (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.42.2.7 int ppl_new_Octagonal_Shape_int32_t_from_Uint8_Box (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.42.2.8 int ppl_new_Octagonal_Shape_int32_t_from_Uint16_Box (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.42.2.9 int ppl_new_Octagonal_Shape_int32_t_from_Uint32_Box (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.42.2.10 int ppl_new_Octagonal_Shape_int32_t_from_Uint64_Box (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.42.2.11 int ppl_new_Octagonal_Shape_int32_t_from_Z_Box (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.42.2.12 int ppl_new_Octagonal_Shape_int32_t_from_Rational_Box (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.42.2.13 int ppl_new_Octagonal_Shape_int32_t_from_BD_Shape_int8_t (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.42.2.14 int ppl_new_Octagonal_Shape_int32_t_from_BD_Shape_int16_t (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.42.2.15 int ppl_new_Octagonal_Shape_int32_t_from_BD_Shape_int32_t (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.42.2.16 int ppl_new_Octagonal_Shape_int32_t_from_BD_Shape_int64_t (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.42.2.17 int ppl_new_Octagonal_Shape_int32_t_from_BD_Shape_mpz_class (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.42.2.18 int ppl_new_Octagonal_Shape_int32_t_from_BD_Shape_mpq_class (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.42.2.19 int ppl_new_Octagonal_Shape_int32_t_from_Octagonal_Shape_int8_t (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.42.2.20 int ppl_new_Octagonal_Shape_int32_t_from_Octagonal_Shape_int16_t (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.42.2.21 int ppl_new_Octagonal_Shape_int32_t_from_Octagonal_Shape_int32_t (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.42.2.22 int ppl_new_Octagonal_Shape_int32_t_from_Octagonal_Shape_int64_t (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.42.2.23 int ppl_new_Octagonal_Shape_int32_t_from_Octagonal_Shape_mpz_class (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.42.2.24 int ppl_new_Octagonal_Shape_int32_t_from_Octagonal_Shape_mpq_class (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.42.2.25 int ppl_new_Octagonal_Shape_int32_t_from_C_Polyhedron (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.42.2.26 int ppl_new_Octagonal_Shape_int32_t_from_NNC_Polyhedron (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.42.2.27 int ppl_new_Octagonal_Shape_int32_t_from_Grid (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.42.2.28 int ppl_new_Octagonal_Shape_int32_t_from_Float_Box (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.42.2.29 int ppl_new_Octagonal_Shape_int32_t_from_BD_Shape_float (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.42.2.30 int ppl_new_Octagonal_Shape_int32_t_from_Octagonal_Shape_float (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.42.2.31 int ppl_new_Octagonal_Shape_int32_t_from_Double_Box (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.42.2.32 int ppl_new_Octagonal_Shape_int32_t_from_BD_Shape_double (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.42.2.33 int ppl_new_Octagonal_Shape_int32_t_from_Octagonal_Shape_double (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.42.2.34 int ppl_new_Octagonal_Shape_int32_t_from_Long_Double_Box (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.42.2.35 int ppl_new_Octagonal_Shape_int32_t_from_BD_Shape_long_double (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.42.2.36 int ppl_new_Octagonal_Shape_int32_t_from_Octagonal_Shape_long_double (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.42.2.37 int ppl_new_Octagonal_Shape_int32_t_from_Int8_Box_with_complexity (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.42.2.38 int ppl_new_Octagonal_Shape_int32_t_from_Int16_Box_with_complexity (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.42.2.39 int ppl_new_Octagonal_Shape_int32_t_from_Int32_Box_with_complexity (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.42.2.40 int ppl_new_Octagonal_Shape_int32_t_from_Int64_Box_with_complexity (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.42.2.41 int ppl_new_Octagonal_Shape_int32_t_from_Uint8_Box_with_complexity (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.42.2.42 int ppl_new_Octagonal_Shape_int32_t_from_Uint16_Box_with_complexity (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.42.2.43 int ppl_new_Octagonal_Shape_int32_t_from_Uint32_Box_with_complexity (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.42.2.44 int ppl_new_Octagonal_Shape_int32_t_from_Uint64_Box_with_complexity (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.42.2.45 int ppl_new_Octagonal_Shape_int32_t_from_Z_Box_with_complexity (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.42.2.46 int ppl_new_Octagonal_Shape_int32_t_from_Rational_Box_with_complexity (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.42.2.47 int ppl_new_Octagonal_Shape_int32_t_from_BD_Shape_int8_t_with_complexity (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.42.2.48 int ppl_new_Octagonal_Shape_int32_t_from_BD_Shape_int16_t_with_complexity (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.42.2.49 int ppl_new_Octagonal_Shape_int32_t_from_BD_Shape_int32_t_with_complexity (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.42.2.50 int ppl_new_Octagonal_Shape_int32_t_from_BD_Shape_int64_t_with_complexity (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.42.2.51 int ppl_new_Octagonal_Shape_int32_t_from_BD_Shape_mpz_class_with_complexity (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.42.2.52 int ppl_new_Octagonal_Shape_int32_t_from_BD_Shape_mpq_class_with_complexity (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.42.2.53 int ppl_new_Octagonal_Shape_int32_t_from_Octagonal_Shape_int8_t_with_complexity (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.42.2.54 int ppl_new_Octagonal_Shape_int32_t_from_Octagonal_Shape_int16_t_with_complexity (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.42.2.55 int ppl_new_Octagonal_Shape_int32_t_from_Octagonal_Shape_int32_t_with_complexity (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.42.2.56 int ppl_new_Octagonal_Shape_int32_t_from_Octagonal_Shape_int64_t_with_complexity (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.42.2.57 int ppl_new_Octagonal_Shape_int32_t_from_Octagonal_Shape_-mpz_class_with_complexity (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.42.2.58 int ppl_new_Octagonal_Shape_int32_t_from_Octagonal_Shape_-mpq_class_with_complexity (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.42.2.59 int ppl_new_Octagonal_Shape_int32_t_from_C_Polyhedron_with_complexity (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.42.2.60 int ppl_new_Octagonal_Shape_int32_t_from_NNC_Polyhedron_with_complexity (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.42.2.61 int ppl_new_Octagonal_Shape_int32_t_from_Grid_with_complexity (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.42.2.62 int ppl_new_Octagonal_Shape_int32_t_from_Float_Box_with_complexity (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.42.2.63 int ppl_new_Octagonal_Shape_int32_t_from_BD_Shape_float_with_complexity (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.42.2.64 int ppl_new_Octagonal_Shape_int32_t_from_Octagonal_Shape_float_with_complexity (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.42.2.65 int ppl_new_Octagonal_Shape_int32_t_from_Double_Box_with_complexity (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.42.2.66 int ppl_new_Octagonal_Shape_int32_t_from_BD_Shape_double_with_complexity (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.42.2.67 int ppl_new_Octagonal_Shape_int32_t_from_Octagonal_Shape_double_with_complexity (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.42.2.68 int ppl_new_Octagonal_Shape_int32_t_from_Long_Double_Box_with_complexity (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.42.2.69 int ppl_new_Octagonal_Shape_int32_t_from_BD_Shape_long_double_with_complexity (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.42.2.70 int ppl_new_Octagonal_Shape_int32_t_from_Octagonal_Shape_long_double_with_complexity (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.42.2.71 int ppl_new_Octagonal_Shape_int32_t_from_Constraint_System (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.42.2.72 int ppl_new_Octagonal_Shape_int32_t_from_Congruence_System (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.42.2.73 int ppl_new_Octagonal_Shape_int32_t_from_Generator_System (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Generator_System_t *cs*) [related]

7.42.2.74 int ppl_Octagonal_Shape_int32_t_space_dimension (ppl_const_Octagonal_Shape_int32_t_t *ph*, ppl_dimension_type * *m*) [related]

7.42.2.75 int ppl_Octagonal_Shape_int32_t_affine_dimension (ppl_const_Octagonal_Shape_int32_t_t *ph*, ppl_dimension_type * *m*) [related]

7.42.2.76 int ppl_Octagonal_Shape_int32_t_relation_with_Constraint (ppl_const_Octagonal_Shape_int32_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.42.2.77 int ppl_Octagonal_Shape_int32_t_relation_with_Generator (ppl_const_Octagonal_Shape_int32_t_t *ph*, ppl_const_Generator_t *c*) [related]

7.42.2.78 int ppl_Octagonal_Shape_int32_t_relation_with_Congruence (ppl_const_Octagonal_Shape_int32_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.42.2.79 int ppl_Octagonal_Shape_int32_t_get_constraints (ppl_const_Octagonal_Shape_int32_t_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.42.2.80 int ppl_Octagonal_Shape_int32_t_get_congruences (ppl_const_Octagonal_Shape_int32_t_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.42.2.81 int ppl_Octagonal_Shape_int32_t_get_minimized_constraints (ppl_const_Octagonal_Shape_int32_t_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.42.2.82 int ppl_Octagonal_Shape_int32_t_get_minimized_congruences (ppl_const_Octagonal_Shape_int32_t_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.42.2.83 int ppl_Octagonal_Shape_int32_t_is_empty (ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.42.2.84 int ppl_Octagonal_Shape_int32_t_is_universe (ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.42.2.85 int ppl_Octagonal_Shape_int32_t_is_bounded (ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.42.2.86 int ppl_Octagonal_Shape_int32_t_contains_integer_point (ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.42.2.87 int ppl_Octagonal_Shape_int32_t_is_topologically_closed (ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.42.2.88 int ppl_Octagonal_Shape_int32_t_is_discrete (ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.42.2.89 int ppl_Octagonal_Shape_int32_t_topological_closure_assign (ppl_Octagonal_Shape_int32_t_t *ph*) [related]

7.42.2.90 int ppl_Octagonal_Shape_int32_t_bounds_from_above (ppl_const_-Octagonal_Shape_int32_t_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.42.2.91 int ppl_Octagonal_Shape_int32_t_bounds_from_below (ppl_const_Octagonal_Shape_int32_t_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.42.2.92 int ppl_Octagonal_Shape_int32_t_maximize (ppl_const_Octagonal_Shape_int32_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.42.2.93 int ppl_Octagonal_Shape_int32_t_minimize (ppl_const_Octagonal_Shape_int32_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.42.2.94 int ppl_Octagonal_Shape_int32_t_maximize_with_point (ppl_const_Octagonal_Shape_int32_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.42.2.95 int ppl_Octagonal_Shape_int32_t_minimize_with_point (ppl_const_Octagonal_Shape_int32_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.42.2.96 int ppl_Octagonal_Shape_int32_t_frequency (ppl_const_Octagonal_Shape_int32_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_fn*, ppl_Coefficient_t *ext_fd*, ppl_Coefficient_t *ext_vn*, ppl_Coefficient_t *ext_vd*) [related]

7.42.2.97 int ppl_Octagonal_Shape_int32_t_contains_Octagonal_Shape_int32_t (ppl_const_Octagonal_Shape_int32_t_t *x*, ppl_const_Octagonal_Shape_int32_t_t *y*) [related]

7.42.2.98 int ppl_Octagonal_Shape_int32_t_strictly_contains_Octagonal_Shape_int32_t (ppl_const_Octagonal_Shape_int32_t_t *x*, ppl_const_Octagonal_Shape_int32_t_t *y*) [related]

7.42.2.99 int ppl_Octagonal_Shape_int32_t_is_disjoint_from_Octagonal_Shape_int32_t (ppl_const_Octagonal_Shape_int32_t_t *x*, ppl_const_Octagonal_Shape_int32_t_t *y*) [related]

7.42.2.100 int ppl_Octagonal_Shape_int32_t_equals_Octagonal_Shape_int32_t (ppl_const_Octagonal_Shape_int32_t_t *x*, ppl_const_Octagonal_Shape_int32_t_t *y*) [related]

7.42.2.101 int ppl_Octagonal_Shape_int32_t_OK (ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.42.2.102 int ppl_Octagonal_Shape_int32_t_add_constraint (ppl_Octagonal_Shape_int32_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.42.2.103 int ppl_Octagonal_Shape_int32_t_add_congruence (ppl_Octagonal_Shape_int32_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.42.2.104 int ppl_Octagonal_Shape_int32_t_add_constraints (ppl_Octagonal_Shape_int32_t_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.42.2.105 int ppl_Octagonal_Shape_int32_t_add_congruences (ppl_Octagonal_Shape_int32_t_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.42.2.106 int ppl_Octagonal_Shape_int32_t_refine_with_constraint (ppl_Octagonal_Shape_int32_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.42.2.107 int ppl_Octagonal_Shape_int32_t_refine_with_congruence (ppl_Octagonal_Shape_int32_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.42.2.108 int ppl_Octagonal_Shape_int32_t_refine_with_constraints (ppl_Octagonal_Shape_int32_t_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.42.2.109 int ppl_Octagonal_Shape_int32_t_refine_with_congruences (ppl_Octagonal_Shape_int32_t_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.42.2.110 int ppl_Octagonal_Shape_int32_t_intersection_assign (ppl_Octagonal_Shape_int32_t_t *x*, ppl_const_Octagonal_Shape_int32_t_t *y*) [related]

7.42.2.111 int ppl_Octagonal_Shape_int32_t_upper_bound_assign (ppl_Octagonal_Shape_int32_t_t *x*, ppl_const_Octagonal_Shape_int32_t_t *y*) [related]

7.42.2.112 int ppl_Octagonal_Shape_int32_t_difference_assign (ppl_Octagonal_Shape_int32_t_t *x*, ppl_const_Octagonal_Shape_int32_t_t *y*) [related]

7.42.2.113 int ppl_Octagonal_Shape_int32_t_concatenate_assign (ppl_Octagonal_Shape_int32_t_t *x*, ppl_const_Octagonal_Shape_int32_t_t *y*) [related]

7.42.2.114 int ppl_Octagonal_Shape_int32_t_time_elapse_assign (ppl_Octagonal_Shape_int32_t_t *x*, ppl_const_Octagonal_Shape_int32_t_t *y*) [related]

7.42.2.115 int ppl_Octagonal_Shape_int32_t_upper_bound_assign_if_exact (ppl_Octagonal_Shape_int32_t_t *x*, ppl_const_Octagonal_Shape_int32_t_t *y*) [related]

7.42.2.116 int ppl_Octagonal_Shape_int32_t_simplify_using_context_assign (ppl_Octagonal_Shape_int32_t_t *x*, ppl_const_Octagonal_Shape_int32_t_t *y*) [related]

7.42.2.117 int ppl_Octagonal_Shape_int32_t_constrains (ppl_Octagonal_Shape_int32_t_t *ph*, ppl_dimension_type *var*) [related]

7.42.2.118 int ppl_Octagonal_Shape_int32_t_unconstrain_space_dimension (ppl_Octagonal_Shape_int32_t_t *ph*, ppl_dimension_type *var*) [related]

7.42.2.119 int ppl_Octagonal_Shape_int32_t_unconstrain_space_dimensions (ppl_Octagonal_Shape_int32_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.42.2.120 int ppl_Octagonal_Shape_int32_t_affine_image (ppl_Octagonal_Shape_int32_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.42.2.121 int ppl_Octagonal_Shape_int32_t_affine_preimage (ppl_Octagonal_Shape_int32_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.42.2.122 int ppl_Octagonal_Shape_int32_t_bounded_affine_image (ppl_Octagonal_Shape_int32_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.42.2.123 int ppl_Octagonal_Shape_int32_t_bounded_affine_preimage (ppl_Octagonal_Shape_int32_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Coefficient_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.42.2.124 int ppl_Octagonal_Shape_int32_t_generalized_affine_image (ppl_Octagonal_Shape_-int32_t_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.42.2.125 int ppl_Octagonal_Shape_int32_t_generalized_affine_preimage (ppl_Octagonal_-Shape_int32_t_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.42.2.126 int ppl_Octagonal_Shape_int32_t_generalized_affine_image_lhs_rhs (ppl_Octagonal_Shape_int32_t_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.42.2.127 int ppl_Octagonal_Shape_int32_t_generalized_affine_preimage_lhs_rhs (ppl_Octagonal_Shape_int32_t_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.42.2.128 int ppl_Octagonal_Shape_int32_t_add_space_dimensions_and_embed (ppl_Octagonal_Shape_int32_t_t *ph*, ppl_dimension_type *d*) [related]

7.42.2.129 int ppl_Octagonal_Shape_int32_t_add_space_dimensions_and_project (ppl_Octagonal_Shape_int32_t_t *ph*, ppl_dimension_type *d*) [related]

7.42.2.130 int ppl_Octagonal_Shape_int32_t_remove_space_dimensions (ppl_Octagonal_Shape_int32_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.42.2.131 int ppl_Octagonal_Shape_int32_t_remove_higher_space_dimensions (ppl_Octagonal_Shape_int32_t_t *ph*, ppl_dimension_type *d*) [related]

7.42.2.132 int ppl_Octagonal_Shape_int32_t_expand_space_dimension (ppl_Octagonal_-Shape_int32_t_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.42.2.133 int ppl_Octagonal_Shape_int32_t_fold_space_dimensions (ppl_Octagonal_-Shape_int32_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.42.2.134 int ppl_Octagonal_Shape_int32_t_map_space_dimensions (ppl_-Octagonal_Shape_int32_t_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.42.2.135 int ppl_Octagonal_Shape_int32_t_drop_some_non_integer_points (ppl_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.42.2.136 int ppl_Octagonal_Shape_int32_t_drop_some_non_integer_points_2 (ppl_Octagonal_Shape_int32_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.42.2.137 int ppl_Octagonal_Shape_int32_t_external_memory_in_bytes (ppl_const_Octagonal_Shape_int32_t_t *ps*, size_t * *sz*) [related]

7.42.2.138 int ppl_Octagonal_Shape_int32_t_total_memory_in_bytes (ppl_const_Octagonal_Shape_int32_t_t *ps*, size_t * *sz*) [related]

7.42.2.139 int ppl_Octagonal_Shape_int32_t_BHMZ05_widening_assign_with_tokens (ppl_Octagonal_Shape_int32_t_t *x*, ppl_const_Octagonal_Shape_int32_t_t *y*, unsigned * *tp*) [related]

7.42.2.140 int ppl_Octagonal_Shape_int32_t_BHMZ05_widening_assign (ppl_Octagonal_Shape_int32_t_t *x*, ppl_const_Octagonal_Shape_int32_t_t *y*) [related]

7.42.2.141 int ppl_Octagonal_Shape_int32_t_widening_assign_with_tokens (ppl_Octagonal_Shape_int32_t_t *x*, ppl_const_Octagonal_Shape_int32_t_t *y*, unsigned * *tp*) [related]

7.42.2.142 int ppl_Octagonal_Shape_int32_t_widening_assign (ppl_Octagonal_Shape_int32_t_t *x*, ppl_const_Octagonal_Shape_int32_t_t *y*) [related]

7.42.2.143 int ppl_Octagonal_Shape_int32_t_limited_BHMZ05_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_int32_t_t *x*, ppl_const_Octagonal_Shape_int32_t_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.42.2.144 int ppl_Octagonal_Shape_int32_t_limited_CC76_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_int32_t_t *x*, ppl_const_Octagonal_Shape_int32_t_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.42.2.145 int ppl_Octagonal_Shape_int32_t_limited_BHMZ05_extrapolation_assign (ppl_Octagonal_Shape_int32_t_t *x*, ppl_const_Octagonal_Shape_int32_t_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.42.2.146 int ppl_Octagonal_Shape_int32_t_limited_CC76_extrapolation_assign (ppl_Octagonal_Shape_int32_t_t *x*, ppl_const_Octagonal_Shape_int32_t_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.42.2.147 int ppl_Octagonal_Shape_int32_t_CC76_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_int32_t_t *x*, ppl_const_Octagonal_Shape_int32_t_t *y*, unsigned * *tp*) [related]

7.42.2.148 int ppl_Octagonal_Shape_int32_t_CC76_extrapolation_assign (ppl_Octagonal_Shape_int32_t_t *x*, ppl_const_Octagonal_Shape_int32_t_t *y*) [related]

7.42.2.149 int ppl_Octagonal_Shape_int32_t_CC76_narrowing_assign (ppl_Octagonal_Shape_int32_t_t *x*, ppl_const_Octagonal_Shape_int32_t_t *y*) [related]

7.42.2.150 int ppl_Octagonal_Shape_int32_t_linear_partition (ppl_const_Octagonal_Shape_int32_t_t *x*, ppl_const_Octagonal_Shape_int32_t_t *y*, ppl_Octagonal_Shape_int32_t_t * *p_inters*, ppl_Pointset_Powerset_NNC_Polyhedron_t * *p_rest*) [related]

7.42.2.151 int ppl_Octagonal_Shape_int32_t_wrap_assign (ppl_Octagonal_Shape_int32_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, enum ppl_enum_Bounded_Integer_Type_Width *w*, enum ppl_enum_Bounded_Integer_Type_Representation *r*, enum ppl_enum_Bounded_Integer_Type_Overflow *o*, const ppl_const_Constraint_System_t * *pcs*, unsigned *complexity_threshold*, int *wrap_individually*) [related]

7.42.2.152 int ppl_new_Octagonal_Shape_int32_t_recycle_Constraint_System (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_Constraint_System_t *cs*) [related]

7.42.2.153 int ppl_new_Octagonal_Shape_int32_t_recycle_Congruence_System (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_Congruence_System_t *cs*) [related]

7.42.2.154 int ppl_new_Octagonal_Shape_int32_t_recycle_Generator_System (ppl_Octagonal_Shape_int32_t_t * *pph*, ppl_Generator_System_t *cs*) [related]

7.42.2.155 int ppl_assign_Octagonal_Shape_int32_t_from_Octagonal_Shape_int32_t (ppl_Octagonal_Shape_int32_t_t *dst*, ppl_const_Octagonal_Shape_int32_t_t *src*) [related]

7.42.2.156 int ppl_Octagonal_Shape_int32_t_add_recycled_constraints (ppl_Octagonal_Shape_int32_t_t *ph*, ppl_Constraint_System_t *cs*) [related]

7.42.2.157 int ppl_Octagonal_Shape_int32_t_add_recycled_congruences (ppl_Octagonal_Shape_int32_t_t *ph*, ppl_Congruence_System_t *cs*) [related]

7.42.2.158 int ppl_termination_test_MS_Octagonal_Shape_int32_t (ppl_const_Octagonal_Shape_int32_t_t *pset*) [related]

7.42.2.159 int ppl_termination_test_PR_Octagonal_Shape_int32_t (ppl_const_Octagonal_Shape_int32_t_t *pset*) [related]

7.42.2.160 int ppl_one_affine_ranking_function_MS_Octagonal_Shape_int32_t (ppl_const_Octagonal_Shape_int32_t_t *pset*, ppl_Generator_t *point*) [related]

7.42.2.161 int ppl_one_affine_ranking_function_PR_Octagonal_Shape_int32_t (ppl_const_Octagonal_Shape_int32_t_t *pset*, ppl_Generator_t *point*) [related]

7.42.2.162 int ppl_all_affine_ranking_functions_MS_Octagonal_Shape_int32_t (ppl_const_Octagonal_Shape_int32_t_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.42.2.163 int ppl_all_affine_ranking_functions_PR_Octagonal_Shape_int32_t (ppl_const_Octagonal_Shape_int32_t_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.42.2.164 int ppl_termination_test_MS_Octagonal_Shape_int32_t_2 (ppl_const_Octagonal_Shape_int32_t_t *pset_before*, ppl_const_Octagonal_Shape_int32_t_t *pset_after*) [related]

7.42.2.165 int ppl_termination_test_PR_Octagonal_Shape_int32_t_2 (ppl_const_Octagonal_Shape_int32_t_t *pset_before*, ppl_const_Octagonal_Shape_int32_t_t *pset_after*) [related]

7.42.2.166 int ppl_one_affine_ranking_function_MS_Octagonal_Shape_int32_t_2 (ppl_const_Octagonal_Shape_int32_t_t *pset_before*, ppl_const_Octagonal_Shape_int32_t_t *pset_after*, ppl_Generator_t *point*) [related]

7.42.2.167 int ppl_one_affine_ranking_function_PR_Octagonal_Shape_int32_t_2 (ppl_const_Octagonal_Shape_int32_t_t *pset_before*, ppl_const_Octagonal_Shape_int32_t_t *pset_after*, ppl_Generator_t *point*) [related]

7.42.2.168 int ppl_all_affine_ranking_functions_MS_Octagonal_Shape_int32_t_2 (ppl_const_Octagonal_Shape_int32_t_t *pset_before*, ppl_const_Octagonal_Shape_int32_t_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.42.2.169 int ppl_all_affine_ranking_functions_PR_Octagonal_Shape_int32_t_2 (ppl_const_Octagonal_Shape_int32_t_t *pset_before*, ppl_const_Octagonal_Shape_int32_t_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.42.2.170 int ppl_io_print_Octagonal_Shape_int32_t (ppl_const_Octagonal_Shape_int32_t_t *x*) [related]

7.42.2.171 int ppl_io_fprint_Octagonal_Shape_int32_t (FILE * *stream*, ppl_const_Octagonal_Shape_int32_t_t *x*) [related]

7.42.2.172 int ppl_io_asprint_Octagonal_Shape_int32_t (char ** *strp*, ppl_const_Octagonal_Shape_int32_t_t *x*) [related]

7.42.2.173 int ppl_Octagonal_Shape_int32_t_ascii_dump (ppl_const_Octagonal_Shape_int32_t_t *x*, FILE * *stream*) [related]

7.42.2.174 int ppl_Octagonal_Shape_int32_t_ascii_load (ppl_Octagonal_Shape_int32_t_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.43 ppl_Octagonal_Shape_int64_t_tag Interface Reference

Types and functions for ppl_Octagonal_Shape_int64_t_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Octagonal_Shape_int64_t (ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_Octagonal_Shape_int64_t_from_space_dimension (ppl_Octagonal_Shape_int64_t_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Octagonal_Shape_int64_t_from_Int8_Box (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Int8_Box_t ph)
- int ppl_new_Octagonal_Shape_int64_t_from_Int16_Box (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_Octagonal_Shape_int64_t_from_Int32_Box (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_Octagonal_Shape_int64_t_from_Int64_Box (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_Octagonal_Shape_int64_t_from_Uint8_Box (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_Octagonal_Shape_int64_t_from_Uint16_Box (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Uint16_Box_t ph)
- int ppl_new_Octagonal_Shape_int64_t_from_Uint32_Box (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_Octagonal_Shape_int64_t_from_Uint64_Box (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_Octagonal_Shape_int64_t_from_Z_Box (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Z_Box_t ph)
- int ppl_new_Octagonal_Shape_int64_t_from_Rational_Box (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_Octagonal_Shape_int64_t_from_BD_Shape_int8_t (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_Octagonal_Shape_int64_t_from_BD_Shape_int16_t (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_BD_Shape_int16_t_t ph)

- int ppl_new_Octagonal_Shape_int64_t_from_BD_Shape_int32_t (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_Octagonal_Shape_int64_t_from_BD_Shape_int64_t (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_Octagonal_Shape_int64_t_from_BD_Shape_mpz_class (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_Octagonal_Shape_int64_t_from_BD_Shape_mpq_class (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_Octagonal_Shape_int64_t_from_Octagonal_Shape_int8_t (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_Octagonal_Shape_int64_t_from_Octagonal_Shape_int16_t (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_Octagonal_Shape_int64_t_from_Octagonal_Shape_int32_t (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_Octagonal_Shape_int64_t_from_Octagonal_Shape_int64_t (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_Octagonal_Shape_int64_t_from_Octagonal_Shape_mpz_class (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_Octagonal_Shape_int64_t_from_Octagonal_Shape_mpq_class (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_Octagonal_Shape_int64_t_from_C_Polyhedron (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Octagonal_Shape_int64_t_from_NNC_Polyhedron (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Octagonal_Shape_int64_t_from_Grid (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Grid_t ph)
- int ppl_new_Octagonal_Shape_int64_t_from_Float_Box (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_Octagonal_Shape_int64_t_from_BD_Shape_float (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_BD_Shape_float_t ph)
- int ppl_new_Octagonal_Shape_int64_t_from_Octagonal_Shape_float (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_Octagonal_Shape_int64_t_from_Double_Box (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Double_Box_t ph)
- int ppl_new_Octagonal_Shape_int64_t_from_BD_Shape_double (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_BD_Shape_double_t ph)
- int ppl_new_Octagonal_Shape_int64_t_from_Octagonal_Shape_double (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_Octagonal_Shape_int64_t_from_Long_Double_Box (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Long_Double_Box_t ph)
- int ppl_new_Octagonal_Shape_int64_t_from_BD_Shape_long_double (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_Octagonal_Shape_int64_t_from_Octagonal_Shape_long_double (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_Octagonal_Shape_int64_t_from_Int8_Box_with_complexity (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Int8_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int64_t_from_Int16_Box_with_complexity (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int64_t_from_Int32_Box_with_complexity (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int64_t_from_Int64_Box_with_complexity (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Int64_Box_t ph, int complexity)

- int ppl_new_Octagonal_Shape_int64_t_from_Uint8_Box_with_complexity (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int64_t_from_Uint16_Box_with_complexity (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int64_t_from_Uint32_Box_with_complexity (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Uint32_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int64_t_from_Uint64_Box_with_complexity (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int64_t_from_Z_Box_with_complexity (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int64_t_from_Rational_Box_with_complexity (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int64_t_from_BD_Shape_int8_t_with_complexity (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int64_t_from_BD_Shape_int16_t_with_complexity (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int64_t_from_BD_Shape_int32_t_with_complexity (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int64_t_from_BD_Shape_int64_t_with_complexity (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int64_t_from_BD_Shape_mpz_class_with_complexity (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int64_t_from_BD_Shape_mpq_class_with_complexity (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int64_t_from_Octagonal_Shape_int8_t_with_complexity (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int64_t_from_Octagonal_Shape_int16_t_with_complexity (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int64_t_from_Octagonal_Shape_int32_t_with_complexity (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int64_t_from_Octagonal_Shape_int64_t_with_complexity (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int64_t_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int64_t_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int64_t_from_C_Polyhedron_with_complexity (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int64_t_from_NNC_Polyhedron_with_complexity (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int64_t_from_Grid_with_complexity (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int64_t_from_Float_Box_with_complexity (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int64_t_from_BD_Shape_float_with_complexity (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int64_t_from_Octagonal_Shape_float_with_complexity (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int64_t_from_Double_Box_with_complexity (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Double_Box_t ph, int complexity)

- int ppl_new_Octagonal_Shape_int64_t_from_BD_Shape_double_with_complexity (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int64_t_from_Octagonal_Shape_double_with_complexity (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int64_t_from_Long_Double_Box_with_complexity (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int64_t_from_BD_Shape_long_double_with_complexity (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int64_t_from_Octagonal_Shape_long_double_with_complexity (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int64_t_from_Constraint_System (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Octagonal_Shape_int64_t_from_Congruence_System (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_new_Octagonal_Shape_int64_t_from_Generator_System (ppl_Octagonal_Shape_int64_t_t *pph, ppl_const_Generator_System_t cs)
- int ppl_Octagonal_Shape_int64_t_space_dimension (ppl_const_Octagonal_Shape_int64_t_t ph, ppl_dimension_type *m)
- int ppl_Octagonal_Shape_int64_t_affine_dimension (ppl_const_Octagonal_Shape_int64_t_t ph, ppl_dimension_type *m)
- int ppl_Octagonal_Shape_int64_t_relation_with_Constraint (ppl_const_Octagonal_Shape_int64_t_t ph, ppl_const_Constraint_t c)
- int ppl_Octagonal_Shape_int64_t_relation_with_Generator (ppl_const_Octagonal_Shape_int64_t_t ph, ppl_const_Generator_t c)
- int ppl_Octagonal_Shape_int64_t_relation_with_Congruence (ppl_const_Octagonal_Shape_int64_t_t ph, ppl_const_Congruence_t c)
- int ppl_Octagonal_Shape_int64_t_get_constraints (ppl_const_Octagonal_Shape_int64_t_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Octagonal_Shape_int64_t_get_congruences (ppl_const_Octagonal_Shape_int64_t_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Octagonal_Shape_int64_t_get_minimized_constraints (ppl_const_Octagonal_Shape_int64_t_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Octagonal_Shape_int64_t_get_minimized_congruences (ppl_const_Octagonal_Shape_int64_t_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Octagonal_Shape_int64_t_is_empty (ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_Octagonal_Shape_int64_t_is_universe (ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_Octagonal_Shape_int64_t_is_bounded (ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_Octagonal_Shape_int64_t_contains_integer_point (ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_Octagonal_Shape_int64_t_is_topologically_closed (ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_Octagonal_Shape_int64_t_is_discrete (ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_Octagonal_Shape_int64_t_topological_closure_assign (ppl_Octagonal_Shape_int64_t_t ph)
- int ppl_Octagonal_Shape_int64_t_bounds_from_above (ppl_const_Octagonal_Shape_int64_t_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Octagonal_Shape_int64_t_bounds_from_below (ppl_const_Octagonal_Shape_int64_t_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Octagonal_Shape_int64_t_maximize (ppl_const_Octagonal_Shape_int64_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Octagonal_Shape_int64_t_minimize (ppl_const_Octagonal_Shape_int64_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)

- int ppl_Octagonal_Shape_int64_t_maximize_with_point (ppl_const_Octagonal_Shape_int64_t_-t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Octagonal_Shape_int64_t_minimize_with_point (ppl_const_Octagonal_Shape_int64_t_-t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Octagonal_Shape_int64_t_frequency (ppl_const_Octagonal_Shape_int64_t_t ph, ppl_-const_Linear_Expression_t le, ppl_Coefficient_t ext_fn, ppl_Coefficient_t ext_fd, ppl_Coefficient_t ext_vn, ppl_Coefficient_t ext_vd)
- int ppl_Octagonal_Shape_int64_t_contains_Octagonal_Shape_int64_t (ppl_const_Octagonal_-Shape_int64_t_t x, ppl_const_Octagonal_Shape_int64_t_t y)
- int ppl_Octagonal_Shape_int64_t_strictly_contains_Octagonal_Shape_int64_t (ppl_const_-Octagonal_Shape_int64_t_t x, ppl_const_Octagonal_Shape_int64_t_t y)
- int ppl_Octagonal_Shape_int64_t_is_disjoint_from_Octagonal_Shape_int64_t (ppl_const_-Octagonal_Shape_int64_t_t x, ppl_const_Octagonal_Shape_int64_t_t y)
- int ppl_Octagonal_Shape_int64_t_equals_Octagonal_Shape_int64_t (ppl_const_Octagonal_-Shape_int64_t_t x, ppl_const_Octagonal_Shape_int64_t_t y)
- int ppl_Octagonal_Shape_int64_t_OK (ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_Octagonal_Shape_int64_t_add_constraint (ppl_Octagonal_Shape_int64_t_t ph, ppl_const_-Constraint_t c)
- int ppl_Octagonal_Shape_int64_t_add_congruence (ppl_Octagonal_Shape_int64_t_t ph, ppl_-const_Congruence_t c)
- int ppl_Octagonal_Shape_int64_t_add_constraints (ppl_Octagonal_Shape_int64_t_t ph, ppl_-const_Constraint_System_t cs)
- int ppl_Octagonal_Shape_int64_t_add_congruences (ppl_Octagonal_Shape_int64_t_t ph, ppl_-const_Congruence_System_t cs)
- int ppl_Octagonal_Shape_int64_t_refine_with_constraint (ppl_Octagonal_Shape_int64_t_t ph, ppl_const_Constraint_t c)
- int ppl_Octagonal_Shape_int64_t_refine_with_congruence (ppl_Octagonal_Shape_int64_t_t ph, ppl_const_Congruence_t c)
- int ppl_Octagonal_Shape_int64_t_refine_with_constraints (ppl_Octagonal_Shape_int64_t_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Octagonal_Shape_int64_t_refine_with_congruences (ppl_Octagonal_Shape_int64_t_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Octagonal_Shape_int64_t_intersection_assign (ppl_Octagonal_Shape_int64_t_t x, ppl_-const_Octagonal_Shape_int64_t_t y)
- int ppl_Octagonal_Shape_int64_t_upper_bound_assign (ppl_Octagonal_Shape_int64_t_t x, ppl_-const_Octagonal_Shape_int64_t_t y)
- int ppl_Octagonal_Shape_int64_t_difference_assign (ppl_Octagonal_Shape_int64_t_t x, ppl_-const_Octagonal_Shape_int64_t_t y)
- int ppl_Octagonal_Shape_int64_t_concatenate_assign (ppl_Octagonal_Shape_int64_t_t x, ppl_-const_Octagonal_Shape_int64_t_t y)
- int ppl_Octagonal_Shape_int64_t_time_elapse_assign (ppl_Octagonal_Shape_int64_t_t x, ppl_-const_Octagonal_Shape_int64_t_t y)
- int ppl_Octagonal_Shape_int64_t_upper_bound_assign_if_exact (ppl_Octagonal_Shape_int64_t_-t x, ppl_const_Octagonal_Shape_int64_t_t y)
- int ppl_Octagonal_Shape_int64_t_simplify_using_context_assign (ppl_Octagonal_Shape_int64_t_t x, ppl_const_Octagonal_Shape_int64_t_t y)
- int ppl_Octagonal_Shape_int64_t_constrains (ppl_Octagonal_Shape_int64_t_t ph, ppl_dimension_-type var)
- int ppl_Octagonal_Shape_int64_t_unconstrain_space_dimension (ppl_Octagonal_Shape_int64_t_-t ph, ppl_dimension_type var)

- int ppl_Octagonal_Shape_int64_t_unconstrain_space_dimensions (ppl_Octagonal_Shape_int64_t_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Octagonal_Shape_int64_t_affine_image (ppl_Octagonal_Shape_int64_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_int64_t_affine_preimage (ppl_Octagonal_Shape_int64_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_int64_t_bounded_affine_image (ppl_Octagonal_Shape_int64_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_int64_t_bounded_affine_preimage (ppl_Octagonal_Shape_int64_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_int64_t_generalized_affine_image (ppl_Octagonal_Shape_int64_t_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_int64_t_generalized_affine_preimage (ppl_Octagonal_Shape_int64_t_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_int64_t_generalized_affine_image_lhs_rhs (ppl_Octagonal_Shape_int64_t_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Octagonal_Shape_int64_t_generalized_affine_preimage_lhs_rhs (ppl_Octagonal_Shape_int64_t_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Octagonal_Shape_int64_t_add_space_dimensions_and_embed (ppl_Octagonal_Shape_int64_t_t ph, ppl_dimension_type d)
- int ppl_Octagonal_Shape_int64_t_add_space_dimensions_and_project (ppl_Octagonal_Shape_int64_t_t ph, ppl_dimension_type d)
- int ppl_Octagonal_Shape_int64_t_remove_space_dimensions (ppl_Octagonal_Shape_int64_t_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Octagonal_Shape_int64_t_remove_higher_space_dimensions (ppl_Octagonal_Shape_int64_t_t ph, ppl_dimension_type d)
- int ppl_Octagonal_Shape_int64_t_expand_space_dimension (ppl_Octagonal_Shape_int64_t_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Octagonal_Shape_int64_t_fold_space_dimensions (ppl_Octagonal_Shape_int64_t_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Octagonal_Shape_int64_t_map_space_dimensions (ppl_Octagonal_Shape_int64_t_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Octagonal_Shape_int64_t_drop_some_non_integer_points (ppl_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_Octagonal_Shape_int64_t_drop_some_non_integer_points_2 (ppl_Octagonal_Shape_int64_t_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Octagonal_Shape_int64_t_external_memory_in_bytes (ppl_const_Octagonal_Shape_int64_t_t ps, size_t *sz)
- int ppl_Octagonal_Shape_int64_t_total_memory_in_bytes (ppl_const_Octagonal_Shape_int64_t_t ps, size_t *sz)
- int ppl_Octagonal_Shape_int64_t_BHMZ05_widening_assign_with_tokens (ppl_Octagonal_Shape_int64_t_t x, ppl_const_Octagonal_Shape_int64_t_t y, unsigned *tp)
- int ppl_Octagonal_Shape_int64_t_BHMZ05_widening_assign (ppl_Octagonal_Shape_int64_t_t x, ppl_const_Octagonal_Shape_int64_t_t y)
- int ppl_Octagonal_Shape_int64_t_widening_assign_with_tokens (ppl_Octagonal_Shape_int64_t_t x, ppl_const_Octagonal_Shape_int64_t_t y, unsigned *tp)

- int ppl_Octagonal_Shape_int64_t_widening_assign (ppl_Octagonal_Shape_int64_t_t x, ppl_const_Octagonal_Shape_int64_t_t y)
- int ppl_Octagonal_Shape_int64_t_limited_BHMZ05_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_int64_t_t x, ppl_const_Octagonal_Shape_int64_t_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_Octagonal_Shape_int64_t_limited_CC76_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_int64_t_t x, ppl_const_Octagonal_Shape_int64_t_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_Octagonal_Shape_int64_t_limited_BHMZ05_extrapolation_assign (ppl_Octagonal_Shape_int64_t_t x, ppl_const_Octagonal_Shape_int64_t_t y, ppl_const_Constraint_System_t cs)
- int ppl_Octagonal_Shape_int64_t_limited_CC76_extrapolation_assign (ppl_Octagonal_Shape_int64_t_t x, ppl_const_Octagonal_Shape_int64_t_t y, ppl_const_Constraint_System_t cs)
- int ppl_Octagonal_Shape_int64_t_CC76_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_int64_t_t x, ppl_const_Octagonal_Shape_int64_t_t y, unsigned *tp)
- int ppl_Octagonal_Shape_int64_t_CC76_extrapolation_assign (ppl_Octagonal_Shape_int64_t_t x, ppl_const_Octagonal_Shape_int64_t_t y)
- int ppl_Octagonal_Shape_int64_t_CC76_narrowing_assign (ppl_Octagonal_Shape_int64_t_t x, ppl_const_Octagonal_Shape_int64_t_t y)
- int ppl_Octagonal_Shape_int64_t_linear_partition (ppl_const_Octagonal_Shape_int64_t_t x, ppl_const_Octagonal_Shape_int64_t_t y, ppl_Octagonal_Shape_int64_t_t *p_inters, ppl_Pointset_Powerset_NNC_Polyhedron_t *p_rest)
- int ppl_Octagonal_Shape_int64_t_wrap_assign (ppl_Octagonal_Shape_int64_t_t ph, ppl_dimension_type ds[ ], size_t n, enum ppl_enum_Bounded_Integer_Type_Width w, enum ppl_enum_Bounded_Integer_Type_Representation r, enum ppl_enum_Bounded_Integer_Type_Overflow o, const ppl_const_Constraint_System_t *pcs, unsigned complexity_threshold, int wrap_individually)
- int ppl_new_Octagonal_Shape_int64_t_recycle_Constraint_System (ppl_Octagonal_Shape_int64_t_t *pph, ppl_Constraint_System_t cs)
- int ppl_new_Octagonal_Shape_int64_t_recycle_Congruence_System (ppl_Octagonal_Shape_int64_t_t *pph, ppl_Congruence_System_t cs)
- int ppl_new_Octagonal_Shape_int64_t_recycle_Generator_System (ppl_Octagonal_Shape_int64_t_t *pph, ppl_Generator_System_t cs)
- int ppl_assign_Octagonal_Shape_int64_t_from_Octagonal_Shape_int64_t (ppl_Octagonal_Shape_int64_t_t dst, ppl_const_Octagonal_Shape_int64_t_t src)
- int ppl_Octagonal_Shape_int64_t_add_recycled_constraints (ppl_Octagonal_Shape_int64_t_t ph, ppl_Constraint_System_t cs)
- int ppl_Octagonal_Shape_int64_t_add_recycled_congruences (ppl_Octagonal_Shape_int64_t_t ph, ppl_Congruence_System_t cs)
- int ppl_termination_test_MS_Octagonal_Shape_int64_t (ppl_const_Octagonal_Shape_int64_t_t pset)
- int ppl_termination_test_PR_Octagonal_Shape_int64_t (ppl_const_Octagonal_Shape_int64_t_t pset)
- int ppl_one_affine_ranking_function_MS_Octagonal_Shape_int64_t (ppl_const_Octagonal_Shape_int64_t_t pset, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Octagonal_Shape_int64_t (ppl_const_Octagonal_Shape_int64_t_t pset, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Octagonal_Shape_int64_t (ppl_const_Octagonal_Shape_int64_t_t pset, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Octagonal_Shape_int64_t (ppl_const_Octagonal_Shape_int64_t_t pset, ppl_Polyhedron_t ph)

- int ppl_termination_test_MS_Octagonal_Shape_int64_t_2 (ppl_const_Octagonal_Shape_int64_t_-t pset_before, ppl_const_Octagonal_Shape_int64_t_t pset_after)
- int ppl_termination_test_PR_Octagonal_Shape_int64_t_2 (ppl_const_Octagonal_Shape_int64_t_-t pset_before, ppl_const_Octagonal_Shape_int64_t_t pset_after)
- int ppl_one_affine_ranking_function_MS_Octagonal_Shape_int64_t_2 (ppl_const_Octagonal_-Shape_int64_t_t pset_before, ppl_const_Octagonal_Shape_int64_t_t pset_after, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Octagonal_Shape_int64_t_2 (ppl_const_Octagonal_-Shape_int64_t_t pset_before, ppl_const_Octagonal_Shape_int64_t_t pset_after, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Octagonal_Shape_int64_t_2 (ppl_const_Octagonal_-Shape_int64_t_t pset_before, ppl_const_Octagonal_Shape_int64_t_t pset_after, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Octagonal_Shape_int64_t_2 (ppl_const_Octagonal_-Shape_int64_t_t pset_before, ppl_const_Octagonal_Shape_int64_t_t pset_after, ppl_Polyhedron_t ph)
- int ppl_io_print_Octagonal_Shape_int64_t (ppl_const_Octagonal_Shape_int64_t_t x)
- int ppl_io_fprint_Octagonal_Shape_int64_t (FILE *stream, ppl_const_Octagonal_Shape_int64_t_t x)
- int ppl_io_asprint_Octagonal_Shape_int64_t (char **strp, ppl_const_Octagonal_Shape_int64_t_t x)
- int ppl_Octagonal_Shape_int64_t_ascii_dump (ppl_const_Octagonal_Shape_int64_t_t x, FILE *stream)
- int ppl_Octagonal_Shape_int64_t_ascii_load (ppl_Octagonal_Shape_int64_t_t x, FILE *stream)

7.43.1 Detailed Description

Types and functions for ppl_Octagonal_Shape_int64_t_tag.

7.43.2 Friends And Related Function Documentation

7.43.2.1 int ppl_delete_Octagonal_Shape_int64_t (ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.43.2.2 int ppl_new_Octagonal_Shape_int64_t_from_space_dimension (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.43.2.3 int ppl_new_Octagonal_Shape_int64_t_from_Int8_Box (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.43.2.4 int ppl_new_Octagonal_Shape_int64_t_from_Int16_Box (ppl_Octagonal_Shape_int64_-t_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.43.2.5 int ppl_new_Octagonal_Shape_int64_t_from_Int32_Box (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.43.2.6 int ppl_new_Octagonal_Shape_int64_t_from_Int64_Box (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.43.2.7 int ppl_new_Octagonal_Shape_int64_t_from_Uint8_Box (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.43.2.8 int ppl_new_Octagonal_Shape_int64_t_from_Uint16_Box (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.43.2.9 int ppl_new_Octagonal_Shape_int64_t_from_Uint32_Box (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.43.2.10 int ppl_new_Octagonal_Shape_int64_t_from_Uint64_Box (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.43.2.11 int ppl_new_Octagonal_Shape_int64_t_from_Z_Box (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.43.2.12 int ppl_new_Octagonal_Shape_int64_t_from_Rational_Box (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.43.2.13 int ppl_new_Octagonal_Shape_int64_t_from_BD_Shape_int8_t (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.43.2.14 int ppl_new_Octagonal_Shape_int64_t_from_BD_Shape_int16_t (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.43.2.15 int ppl_new_Octagonal_Shape_int64_t_from_BD_Shape_int32_t (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.43.2.16 int ppl_new_Octagonal_Shape_int64_t_from_BD_Shape_int64_t (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.43.2.17 int ppl_new_Octagonal_Shape_int64_t_from_BD_Shape_mpz_class (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.43.2.18 int ppl_new_Octagonal_Shape_int64_t_from_BD_Shape_mpq_class (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.43.2.19 int ppl_new_Octagonal_Shape_int64_t_from_Octagonal_Shape_int8_t (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.43.2.20 int ppl_new_Octagonal_Shape_int64_t_from_Octagonal_Shape_int16_t (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.43.2.21 int ppl_new_Octagonal_Shape_int64_t_from_Octagonal_Shape_int32_t (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.43.2.22 int ppl_new_Octagonal_Shape_int64_t_from_Octagonal_Shape_int64_t (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.43.2.23 int ppl_new_Octagonal_Shape_int64_t_from_Octagonal_Shape_mpz_class (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.43.2.24 int ppl_new_Octagonal_Shape_int64_t_from_Octagonal_Shape_mpq_class (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.43.2.25 int ppl_new_Octagonal_Shape_int64_t_from_C_Polyhedron (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.43.2.26 int ppl_new_Octagonal_Shape_int64_t_from_NNC_Polyhedron (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.43.2.27 int ppl_new_Octagonal_Shape_int64_t_from_Grid (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.43.2.28 int ppl_new_Octagonal_Shape_int64_t_from_Float_Box (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.43.2.29 int ppl_new_Octagonal_Shape_int64_t_from_BD_Shape_float (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.43.2.30 int ppl_new_Octagonal_Shape_int64_t_from_Octagonal_Shape_float (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.43.2.31 int ppl_new_Octagonal_Shape_int64_t_from_Double_Box (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.43.2.32 int ppl_new_Octagonal_Shape_int64_t_from_BD_Shape_double (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.43.2.33 int ppl_new_Octagonal_Shape_int64_t_from_Octagonal_Shape_double (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.43.2.34 int ppl_new_Octagonal_Shape_int64_t_from_Long_Double_Box (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.43.2.35 int ppl_new_Octagonal_Shape_int64_t_from_BD_Shape_long_double (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.43.2.36 int ppl_new_Octagonal_Shape_int64_t_from_Octagonal_Shape_long_double (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.43.2.37 int ppl_new_Octagonal_Shape_int64_t_from_Int8_Box_with_complexity (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.43.2.38 int ppl_new_Octagonal_Shape_int64_t_from_Int16_Box_with_complexity (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.43.2.39 int ppl_new_Octagonal_Shape_int64_t_from_Int32_Box_with_complexity (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.43.2.40 int ppl_new_Octagonal_Shape_int64_t_from_Int64_Box_with_complexity (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.43.2.41 int ppl_new_Octagonal_Shape_int64_t_from_Uint8_Box_with_complexity (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.43.2.42 int ppl_new_Octagonal_Shape_int64_t_from_Uint16_Box_with_complexity (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.43.2.43 int ppl_new_Octagonal_Shape_int64_t_from_Uint32_Box_with_complexity (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.43.2.44 int ppl_new_Octagonal_Shape_int64_t_from_Uint64_Box_with_complexity (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.43.2.45 int ppl_new_Octagonal_Shape_int64_t_from_Z_Box_with_complexity (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.43.2.46 int ppl_new_Octagonal_Shape_int64_t_from_Rational_Box_with_complexity (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.43.2.47 int ppl_new_Octagonal_Shape_int64_t_from_BD_Shape_int8_t_with_complexity (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.43.2.48 int ppl_new_Octagonal_Shape_int64_t_from_BD_Shape_int16_t_with_complexity (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.43.2.49 int ppl_new_Octagonal_Shape_int64_t_from_BD_Shape_int32_t_with_complexity (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.43.2.50 int ppl_new_Octagonal_Shape_int64_t_from_BD_Shape_int64_t_with_complexity (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.43.2.51 int ppl_new_Octagonal_Shape_int64_t_from_BD_Shape_mpz_class_with_complexity (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.43.2.52 int ppl_new_Octagonal_Shape_int64_t_from_BD_Shape_mpq_class_with_complexity (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.43.2.53 int ppl_new_Octagonal_Shape_int64_t_from_Octagonal_Shape_int8_t_with_complexity (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.43.2.54 **int ppl_new_Octagonal_Shape_int64_t_from_Octagonal_Shape_-int16_t_with_complexity (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*)** `[related]`

7.43.2.55 **int ppl_new_Octagonal_Shape_int64_t_from_Octagonal_Shape_-int32_t_with_complexity (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*)** `[related]`

7.43.2.56 **int ppl_new_Octagonal_Shape_int64_t_from_Octagonal_Shape_-int64_t_with_complexity (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*)** `[related]`

7.43.2.57 **int ppl_new_Octagonal_Shape_int64_t_from_Octagonal_Shape_-mpz_class_with_complexity (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*)** `[related]`

7.43.2.58 **int ppl_new_Octagonal_Shape_int64_t_from_Octagonal_Shape_-mpq_class_with_complexity (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*)** `[related]`

7.43.2.59 **int ppl_new_Octagonal_Shape_int64_t_from_C_Polyhedron_with_complexity (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*)** `[related]`

7.43.2.60 **int ppl_new_Octagonal_Shape_int64_t_from_NNC_Polyhedron_with_complexity (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*)** `[related]`

7.43.2.61 **int ppl_new_Octagonal_Shape_int64_t_from_Grid_with_complexity (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*)** `[related]`

7.43.2.62 int ppl_new_Octagonal_Shape_int64_t_from_Float_Box_with_complexity (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.43.2.63 int ppl_new_Octagonal_Shape_int64_t_from_BD_Shape_float_with_complexity (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.43.2.64 int ppl_new_Octagonal_Shape_int64_t_from_Octagonal_Shape_float_with_complexity (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.43.2.65 int ppl_new_Octagonal_Shape_int64_t_from_Double_Box_with_complexity (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.43.2.66 int ppl_new_Octagonal_Shape_int64_t_from_BD_Shape_double_with_complexity (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.43.2.67 int ppl_new_Octagonal_Shape_int64_t_from_Octagonal_Shape_double_with_complexity (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.43.2.68 int ppl_new_Octagonal_Shape_int64_t_from_Long_Double_Box_with_complexity (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.43.2.69 int ppl_new_Octagonal_Shape_int64_t_from_BD_Shape_long_double_with_complexity (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.43.2.70 int ppl_new_Octagonal_Shape_int64_t_from_Octagonal_Shape_-long_double_with_complexity (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.43.2.71 int ppl_new_Octagonal_Shape_int64_t_from_Constraint_System (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.43.2.72 int ppl_new_Octagonal_Shape_int64_t_from_Congruence_System (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.43.2.73 int ppl_new_Octagonal_Shape_int64_t_from_Generator_System (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Generator_System_t *cs*) [related]

7.43.2.74 int ppl_Octagonal_Shape_int64_t_space_dimension (ppl_const_Octagonal_Shape_-int64_t_t *ph*, ppl_dimension_type * *m*) [related]

7.43.2.75 int ppl_Octagonal_Shape_int64_t_affine_dimension (ppl_const_Octagonal_Shape_-int64_t_t *ph*, ppl_dimension_type * *m*) [related]

7.43.2.76 int ppl_Octagonal_Shape_int64_t_relation_with_Constraint (ppl_const_Octagonal_Shape_int64_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.43.2.77 int ppl_Octagonal_Shape_int64_t_relation_with_Generator (ppl_const_Octagonal_Shape_int64_t_t *ph*, ppl_const_Generator_t *c*) [related]

7.43.2.78 int ppl_Octagonal_Shape_int64_t_relation_with_Congruence (ppl_const_Octagonal_Shape_int64_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.43.2.79 int ppl_Octagonal_Shape_int64_t_get_constraints (ppl_const_Octagonal_Shape_int64_t_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.43.2.80 int ppl_Octagonal_Shape_int64_t_get_congruences (ppl_const_Octagonal_Shape_int64_t_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.43.2.81 int ppl_Octagonal_Shape_int64_t_get_minimized_constraints (ppl_const_Octagonal_Shape_int64_t_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.43.2.82 int ppl_Octagonal_Shape_int64_t_get_minimized_congruences (ppl_const_Octagonal_Shape_int64_t_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.43.2.83 int ppl_Octagonal_Shape_int64_t_is_empty (ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.43.2.84 int ppl_Octagonal_Shape_int64_t_is_universe (ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.43.2.85 int ppl_Octagonal_Shape_int64_t_is_bounded (ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.43.2.86 int ppl_Octagonal_Shape_int64_t_contains_integer_point (ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.43.2.87 int ppl_Octagonal_Shape_int64_t_is_topologically_closed (ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.43.2.88 int ppl_Octagonal_Shape_int64_t_is_discrete (ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.43.2.89 int ppl_Octagonal_Shape_int64_t_topological_closure_assign (ppl_Octagonal_Shape_int64_t_t *ph*) [related]

7.43.2.90 int ppl_Octagonal_Shape_int64_t_bounds_from_above (ppl_const_Octagonal_Shape_int64_t_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.43.2.91 int ppl_Octagonal_Shape_int64_t_bounds_from_below (ppl_const_Octagonal_Shape_int64_t_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.43.2.92 int ppl_Octagonal_Shape_int64_t_maximize (ppl_const_Octagonal_Shape_int64_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.43.2.93 int ppl_Octagonal_Shape_int64_t_minimize (ppl_const_Octagonal_Shape_int64_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.43.2.94 int ppl_Octagonal_Shape_int64_t_maximize_with_point (ppl_const_Octagonal_Shape_int64_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.43.2.95 int ppl_Octagonal_Shape_int64_t_minimize_with_point (ppl_const_Octagonal_Shape_int64_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.43.2.96 int ppl_Octagonal_Shape_int64_t_frequency (ppl_const_Octagonal_Shape_int64_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_fn*, ppl_Coefficient_t *ext_fd*, ppl_Coefficient_t *ext_vn*, ppl_Coefficient_t *ext_vd*) [related]

7.43.2.97 int ppl_Octagonal_Shape_int64_t_contains_Octagonal_Shape_int64_t (ppl_const_Octagonal_Shape_int64_t_t *x*, ppl_const_Octagonal_Shape_int64_t_t *y*) [related]

7.43.2.98 int ppl_Octagonal_Shape_int64_t_strictly_contains_Octagonal_Shape_int64_t (ppl_const_Octagonal_Shape_int64_t_t *x*, ppl_const_Octagonal_Shape_int64_t_t *y*) [related]

7.43.2.99 int ppl_Octagonal_Shape_int64_t_is_disjoint_from_Octagonal_Shape_int64_t (ppl_const_Octagonal_Shape_int64_t_t *x*, ppl_const_Octagonal_Shape_int64_t_t *y*) [related]

7.43.2.100 int ppl_Octagonal_Shape_int64_t_equals_Octagonal_Shape_int64_t (ppl_const_Octagonal_Shape_int64_t_t *x*, ppl_const_Octagonal_Shape_int64_t_t *y*) [related]

7.43.2.101 int ppl_Octagonal_Shape_int64_t_OK (ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.43.2.102 int ppl_Octagonal_Shape_int64_t_add_constraint (ppl_Octagonal_Shape_int64_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.43.2.103 int ppl_Octagonal_Shape_int64_t_add_congruence (ppl_Octagonal_Shape_int64_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.43.2.104 int ppl_Octagonal_Shape_int64_t_add_constraints (ppl_Octagonal_Shape_int64_t_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.43.2.105 int ppl_Octagonal_Shape_int64_t_add_congruences (ppl_Octagonal_Shape_int64_t_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.43.2.106 int ppl_Octagonal_Shape_int64_t_refine_with_constraint (ppl_Octagonal_Shape_int64_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.43.2.107 int ppl_Octagonal_Shape_int64_t_refine_with_congruence (ppl_Octagonal_Shape_int64_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.43.2.108 int ppl_Octagonal_Shape_int64_t_refine_with_constraints (ppl_Octagonal_Shape_int64_t_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.43.2.109 int ppl_Octagonal_Shape_int64_t_refine_with_congruences (ppl_Octagonal_Shape_int64_t_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.43.2.110 int ppl_Octagonal_Shape_int64_t_intersection_assign (ppl_Octagonal_Shape_int64_t_t *x*, ppl_const_Octagonal_Shape_int64_t_t *y*) [related]

7.43.2.111 int ppl_Octagonal_Shape_int64_t_upper_bound_assign (ppl_Octagonal_Shape_int64_t_t *x*, ppl_const_Octagonal_Shape_int64_t_t *y*) [related]

7.43.2.112 int ppl_Octagonal_Shape_int64_t_difference_assign (ppl_Octagonal_Shape_int64_t_t *x*, ppl_const_Octagonal_Shape_int64_t_t *y*) [related]

7.43.2.113 int ppl_Octagonal_Shape_int64_t_concatenate_assign (ppl_Octagonal_Shape_int64_t_t *x*, ppl_const_Octagonal_Shape_int64_t_t *y*) [related]

7.43.2.114 int ppl_Octagonal_Shape_int64_t_time_elapse_assign (ppl_Octagonal_Shape_int64_t_t *x*, ppl_const_Octagonal_Shape_int64_t_t *y*) [related]

7.43.2.115 int ppl_Octagonal_Shape_int64_t_upper_bound_assign_if_exact (ppl_Octagonal_Shape_int64_t_t *x*, ppl_const_Octagonal_Shape_int64_t_t *y*) [related]

7.43.2.116 int ppl_Octagonal_Shape_int64_t_simplify_using_context_assign (ppl_Octagonal_Shape_int64_t_t *x*, ppl_const_Octagonal_Shape_int64_t_t *y*) [related]

7.43.2.117 int ppl_Octagonal_Shape_int64_t_constrains (ppl_Octagonal_Shape_int64_t_t *ph*, ppl_dimension_type *var*) [related]

7.43.2.118 int ppl_Octagonal_Shape_int64_t_unconstrain_space_dimension (ppl_Octagonal_Shape_int64_t_t *ph*, ppl_dimension_type *var*) [related]

7.43.2.119 int ppl_Octagonal_Shape_int64_t_unconstrain_space_dimensions (ppl_Octagonal_Shape_int64_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.43.2.120 int ppl_Octagonal_Shape_int64_t_affine_image (ppl_Octagonal_Shape_int64_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.43.2.121 int ppl_Octagonal_Shape_int64_t_affine_preimage (ppl_Octagonal_Shape_int64_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.43.2.122 int ppl_Octagonal_Shape_int64_t_bounded_affine_image (ppl_Octagonal_-Shape_int64_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.43.2.123 int ppl_Octagonal_Shape_int64_t_bounded_affine_preimage (ppl_Octagonal_-Shape_int64_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.43.2.124 int ppl_Octagonal_Shape_int64_t_generalized_affine_image (ppl_Octagonal_Shape_-int64_t_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.43.2.125 int ppl_Octagonal_Shape_int64_t_generalized_affine_preimage (ppl_Octagonal_-Shape_int64_t_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.43.2.126 int ppl_Octagonal_Shape_int64_t_generalized_affine_image_lhs_rhs (ppl_Octagonal_Shape_int64_t_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.43.2.127 int ppl_Octagonal_Shape_int64_t_generalized_affine_preimage_lhs_rhs (ppl_Octagonal_Shape_int64_t_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.43.2.128 int ppl_Octagonal_Shape_int64_t_add_space_dimensions_and_embed (ppl_Octagonal_Shape_int64_t_t *ph*, ppl_dimension_type *d*) [related]

7.43.2.129 int ppl_Octagonal_Shape_int64_t_add_space_dimensions_and_project (ppl_Octagonal_Shape_int64_t_t *ph*, ppl_dimension_type *d*) [related]

7.43.2.130 int ppl_Octagonal_Shape_int64_t_remove_space_dimensions (ppl_Octagonal_Shape_int64_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.43.2.131 int ppl_Octagonal_Shape_int64_t_remove_higher_space_dimensions (ppl_Octagonal_Shape_int64_t_t *ph*, ppl_dimension_type *d*) [related]

7.43.2.132 int ppl_Octagonal_Shape_int64_t_expand_space_dimension (ppl_Octagonal_Shape_int64_t_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.43.2.133 int ppl_Octagonal_Shape_int64_t_fold_space_dimensions (ppl_Octagonal_Shape_int64_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.43.2.134 int ppl_Octagonal_Shape_int64_t_map_space_dimensions (ppl_Octagonal_Shape_int64_t_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.43.2.135 int ppl_Octagonal_Shape_int64_t_drop_some_non_integer_points (ppl_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.43.2.136 int ppl_Octagonal_Shape_int64_t_drop_some_non_integer_points_2 (ppl_Octagonal_Shape_int64_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.43.2.137 int ppl_Octagonal_Shape_int64_t_external_memory_in_bytes (ppl_const_Octagonal_Shape_int64_t_t *ps*, size_t * *sz*) [related]

7.43.2.138 int ppl_Octagonal_Shape_int64_t_total_memory_in_bytes (ppl_const_Octagonal_Shape_int64_t_t *ps*, size_t * *sz*) [related]

7.43.2.139 int ppl_Octagonal_Shape_int64_t_BHMZ05_widening_assign_with_tokens (ppl_Octagonal_Shape_int64_t_t *x*, ppl_const_Octagonal_Shape_int64_t_t *y*, unsigned * *tp*) [related]

7.43.2.140 int ppl_Octagonal_Shape_int64_t_BHMZ05_widening_assign (ppl_Octagonal_Shape_int64_t_t *x*, ppl_const_Octagonal_Shape_int64_t_t *y*) [related]

7.43.2.141 int ppl_Octagonal_Shape_int64_t_widening_assign_with_tokens (ppl_Octagonal_Shape_int64_t_t *x*, ppl_const_Octagonal_Shape_int64_t_t *y*, unsigned * *tp*) [related]

7.43.2.142 int ppl_Octagonal_Shape_int64_t_widening_assign (ppl_Octagonal_Shape_int64_t_t *x*, ppl_const_Octagonal_Shape_int64_t_t *y*) [related]

7.43.2.143 int ppl_Octagonal_Shape_int64_t_limited_BHMZ05_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_int64_t_t *x*, ppl_const_Octagonal_Shape_int64_t_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.43.2.144 int ppl_Octagonal_Shape_int64_t_limited_CC76_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_int64_t_t *x*, ppl_const_Octagonal_Shape_int64_t_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.43.2.145 int ppl_Octagonal_Shape_int64_t_limited_BHMZ05_extrapolation_assign (ppl_Octagonal_Shape_int64_t_t *x*, ppl_const_Octagonal_Shape_int64_t_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.43.2.146 int ppl_Octagonal_Shape_int64_t_limited_CC76_extrapolation_assign (ppl_Octagonal_Shape_int64_t_t *x*, ppl_const_Octagonal_Shape_int64_t_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.43.2.147 int ppl_Octagonal_Shape_int64_t_CC76_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_int64_t_t *x*, ppl_const_Octagonal_Shape_int64_t_t *y*, unsigned * *tp*) [related]

7.43.2.148 int ppl_Octagonal_Shape_int64_t_CC76_extrapolation_assign (ppl_Octagonal_Shape_int64_t_t *x*, ppl_const_Octagonal_Shape_int64_t_t *y*) [related]

7.43.2.149 int ppl_Octagonal_Shape_int64_t_CC76_narrowing_assign (ppl_Octagonal_Shape_int64_t_t *x*, ppl_const_Octagonal_Shape_int64_t_t *y*) [related]

7.43.2.150 int ppl_Octagonal_Shape_int64_t_linear_partition (ppl_const_Octagonal_Shape_int64_t_t *x*, ppl_const_Octagonal_Shape_int64_t_t *y*, ppl_Octagonal_Shape_int64_t_t * *p_inters*, ppl_Pointset_Powerset_NNC_Polyhedron_t * *p_rest*) [related]

7.43.2.151 int ppl_Octagonal_Shape_int64_t_wrap_assign (ppl_Octagonal_Shape_int64_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, enum ppl_enum_Bounded_Integer_Type_Width *w*, enum ppl_enum_Bounded_Integer_Type_Representation *r*, enum ppl_enum_Bounded_Integer_Type_Overflow *o*, const ppl_const_Constraint_System_t * *pcs*, unsigned *complexity_threshold*, int *wrap_individually*) [related]

7.43.2.152 int ppl_new_Octagonal_Shape_int64_t_recycle_Constraint_System (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_Constraint_System_t *cs*) [related]

7.43.2.153 int ppl_new_Octagonal_Shape_int64_t_recycle_Congruence_System (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_Congruence_System_t *cs*) [related]

7.43.2.154 int ppl_new_Octagonal_Shape_int64_t_recycle_Generator_System (ppl_Octagonal_Shape_int64_t_t * *pph*, ppl_Generator_System_t *cs*) [related]

7.43.2.155 int ppl_assign_Octagonal_Shape_int64_t_from_Octagonal_Shape_int64_t (ppl_Octagonal_Shape_int64_t_t *dst*, ppl_const_Octagonal_Shape_int64_t_t *src*) [related]

7.43.2.156 int ppl_Octagonal_Shape_int64_t_add_recycled_constraints (ppl_Octagonal_Shape_int64_t_t *ph*, ppl_Constraint_System_t *cs*) [related]

7.43.2.157 int ppl_Octagonal_Shape_int64_t_add_recycled_congruences (ppl_Octagonal_Shape_int64_t_t *ph*, ppl_Congruence_System_t *cs*) [related]

7.43.2.158 int ppl_termination_test_MS_Octagonal_Shape_int64_t (ppl_const_Octagonal_Shape_int64_t_t *pset*) [related]

7.43.2.159 int ppl_termination_test_PR_Octagonal_Shape_int64_t (ppl_const_Octagonal_Shape_int64_t_t *pset*) [related]

7.43.2.160 int ppl_one_affine_ranking_function_MS_Octagonal_Shape_int64_t (ppl_const_Octagonal_Shape_int64_t_t *pset*, ppl_Generator_t *point*) [related]

7.43.2.161 int ppl_one_affine_ranking_function_PR_Octagonal_Shape_int64_t (ppl_const_Octagonal_Shape_int64_t_t *pset*, ppl_Generator_t *point*) [related]

7.43.2.162 int ppl_all_affine_ranking_functions_MS_Octagonal_Shape_int64_t (ppl_const_Octagonal_Shape_int64_t_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.43.2.163 int ppl_all_affine_ranking_functions_PR_Octagonal_Shape_int64_t (ppl_const_Octagonal_Shape_int64_t_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.43.2.164 int ppl_termination_test_MS_Octagonal_Shape_int64_t_2 (ppl_const_Octagonal_Shape_int64_t_t *pset_before*, ppl_const_Octagonal_Shape_int64_t_t *pset_after*) [related]

7.43.2.165 int ppl_termination_test_PR_Octagonal_Shape_int64_t_2 (ppl_const_Octagonal_Shape_int64_t_t *pset_before*, ppl_const_Octagonal_Shape_int64_t_t *pset_after*) [related]

7.43.2.166 int ppl_one_affine_ranking_function_MS_Octagonal_Shape_int64_t_2 (ppl_const_Octagonal_Shape_int64_t_t *pset_before*, ppl_const_Octagonal_Shape_int64_t_t *pset_after*, ppl_Generator_t *point*) [related]

7.43.2.167 int ppl_one_affine_ranking_function_PR_Octagonal_Shape_int64_t_2 (ppl_const_Octagonal_Shape_int64_t_t *pset_before*, ppl_const_Octagonal_Shape_int64_t_t *pset_after*, ppl_Generator_t *point*) [related]

7.43.2.168 int ppl_all_affine_ranking_functions_MS_Octagonal_Shape_int64_t_2 (ppl_const_Octagonal_Shape_int64_t_t *pset_before*, ppl_const_Octagonal_Shape_int64_t_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.43.2.169 int ppl_all_affine_ranking_functions_PR_Octagonal_Shape_int64_t_2 (ppl_const_Octagonal_Shape_int64_t_t *pset_before*, ppl_const_Octagonal_Shape_int64_t_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.43.2.170 int ppl_io_print_Octagonal_Shape_int64_t (ppl_const_Octagonal_Shape_int64_t_t *x*) [related]

7.43.2.171 int ppl_io_fprint_Octagonal_Shape_int64_t (FILE * *stream*, ppl_const_Octagonal_Shape_int64_t_t *x*) [related]

7.43.2.172 int ppl_io_asprint_Octagonal_Shape_int64_t (char ** *strp*, ppl_const_Octagonal_Shape_int64_t_t *x*) [related]

7.43.2.173 int ppl_Octagonal_Shape_int64_t_ascii_dump (ppl_const_Octagonal_Shape_int64_t_t *x*, FILE * *stream*) [related]

7.43.2.174 int ppl_Octagonal_Shape_int64_t_ascii_load (ppl_Octagonal_Shape_int64_t_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.44 ppl_Octagonal_Shape_int8_t_tag Interface Reference

Types and functions for ppl_Octagonal_Shape_int8_t_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Octagonal_Shape_int8_t (ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_Octagonal_Shape_int8_t_from_space_dimension (ppl_Octagonal_Shape_int8_t_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Octagonal_Shape_int8_t_from_Int8_Box (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_Int8_Box_t ph)
- int ppl_new_Octagonal_Shape_int8_t_from_Int16_Box (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_Octagonal_Shape_int8_t_from_Int32_Box (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_Octagonal_Shape_int8_t_from_Int64_Box (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_Octagonal_Shape_int8_t_from_Uint8_Box (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_Octagonal_Shape_int8_t_from_Uint16_Box (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_Uint16_Box_t ph)
- int ppl_new_Octagonal_Shape_int8_t_from_Uint32_Box (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_Octagonal_Shape_int8_t_from_Uint64_Box (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_Octagonal_Shape_int8_t_from_Z_Box (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_Z_Box_t ph)

- int ppl_new_Octagonal_Shape_int8_t_from_Rational_Box (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_Octagonal_Shape_int8_t_from_BD_Shape_int8_t (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_Octagonal_Shape_int8_t_from_BD_Shape_int16_t (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_Octagonal_Shape_int8_t_from_BD_Shape_int32_t (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_Octagonal_Shape_int8_t_from_BD_Shape_int64_t (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_Octagonal_Shape_int8_t_from_BD_Shape_mpz_class (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_Octagonal_Shape_int8_t_from_BD_Shape_mpq_class (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_Octagonal_Shape_int8_t_from_Octagonal_Shape_int8_t (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_Octagonal_Shape_int8_t_from_Octagonal_Shape_int16_t (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_Octagonal_Shape_int8_t_from_Octagonal_Shape_int32_t (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_Octagonal_Shape_int8_t_from_Octagonal_Shape_int64_t (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_Octagonal_Shape_int8_t_from_Octagonal_Shape_mpz_class (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_Octagonal_Shape_int8_t_from_Octagonal_Shape_mpq_class (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_Octagonal_Shape_int8_t_from_C_Polyhedron (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Octagonal_Shape_int8_t_from_NNC_Polyhedron (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Octagonal_Shape_int8_t_from_Grid (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_Grid_t ph)
- int ppl_new_Octagonal_Shape_int8_t_from_Float_Box (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_Octagonal_Shape_int8_t_from_BD_Shape_float (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_BD_Shape_float_t ph)
- int ppl_new_Octagonal_Shape_int8_t_from_Octagonal_Shape_float (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_Octagonal_Shape_int8_t_from_Double_Box (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_Double_Box_t ph)
- int ppl_new_Octagonal_Shape_int8_t_from_BD_Shape_double (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_BD_Shape_double_t ph)
- int ppl_new_Octagonal_Shape_int8_t_from_Octagonal_Shape_double (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_Octagonal_Shape_int8_t_from_Long_Double_Box (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_Long_Double_Box_t ph)
- int ppl_new_Octagonal_Shape_int8_t_from_BD_Shape_long_double (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_Octagonal_Shape_int8_t_from_Octagonal_Shape_long_double (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_Octagonal_Shape_int8_t_from_Int8_Box_with_complexity (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_Int8_Box_t ph, int complexity)

- int ppl_new_Octagonal_Shape_int8_t_from_Int16_Box_with_complexity (ppl_Octagonal_Shape_-int8_t_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int8_t_from_Int32_Box_with_complexity (ppl_Octagonal_Shape_-int8_t_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int8_t_from_Int64_Box_with_complexity (ppl_Octagonal_Shape_-int8_t_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int8_t_from_Uint8_Box_with_complexity (ppl_Octagonal_Shape_-int8_t_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int8_t_from_Uint16_Box_with_complexity (ppl_Octagonal_-Shape_int8_t_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int8_t_from_Uint32_Box_with_complexity (ppl_Octagonal_-Shape_int8_t_t *pph, ppl_const_Uint32_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int8_t_from_Uint64_Box_with_complexity (ppl_Octagonal_-Shape_int8_t_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int8_t_from_Z_Box_with_complexity (ppl_Octagonal_Shape_-int8_t_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int8_t_from_Rational_Box_with_complexity (ppl_Octagonal_-Shape_int8_t_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int8_t_from_BD_Shape_int8_t_with_complexity (ppl_Octagonal_-Shape_int8_t_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int8_t_from_BD_Shape_int16_t_with_complexity (ppl_-Octagonal_Shape_int8_t_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int8_t_from_BD_Shape_int32_t_with_complexity (ppl_-Octagonal_Shape_int8_t_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int8_t_from_BD_Shape_int64_t_with_complexity (ppl_-Octagonal_Shape_int8_t_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int8_t_from_BD_Shape_mpz_class_with_complexity (ppl_-Octagonal_Shape_int8_t_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int8_t_from_BD_Shape_mpq_class_with_complexity (ppl_-Octagonal_Shape_int8_t_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int8_t_from_Octagonal_Shape_int8_t_with_complexity (ppl_-Octagonal_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int8_t_from_Octagonal_Shape_int16_t_with_complexity (ppl_-Octagonal_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int8_t_from_Octagonal_Shape_int32_t_with_complexity (ppl_-Octagonal_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int8_t_from_Octagonal_Shape_int64_t_with_complexity (ppl_-Octagonal_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int8_t_from_Octagonal_Shape_mpz_class_with_complexity (ppl_-Octagonal_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int8_t_from_Octagonal_Shape_mpq_class_with_complexity (ppl_-Octagonal_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int8_t_from_C_Polyhedron_with_complexity (ppl_Octagonal_-Shape_int8_t_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int8_t_from_NNC_Polyhedron_with_complexity (ppl_Octagonal_-Shape_int8_t_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int8_t_from_Grid_with_complexity (ppl_Octagonal_Shape_int8_-t_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int8_t_from_Float_Box_with_complexity (ppl_Octagonal_Shape_-int8_t_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int8_t_from_BD_Shape_float_with_complexity (ppl_Octagonal_-Shape_int8_t_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)

- int ppl_new_Octagonal_Shape_int8_t_from_Octagonal_Shape_float_with_complexity (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int8_t_from_Double_Box_with_complexity (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int8_t_from_BD_Shape_double_with_complexity (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int8_t_from_Octagonal_Shape_double_with_complexity (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int8_t_from_Long_Double_Box_with_complexity (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int8_t_from_BD_Shape_long_double_with_complexity (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int8_t_from_Octagonal_Shape_long_double_with_complexity (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_Octagonal_Shape_int8_t_from_Constraint_System (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Octagonal_Shape_int8_t_from_Congruence_System (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_new_Octagonal_Shape_int8_t_from_Generator_System (ppl_Octagonal_Shape_int8_t_t *pph, ppl_const_Generator_System_t cs)
- int ppl_Octagonal_Shape_int8_t_space_dimension (ppl_const_Octagonal_Shape_int8_t_t ph, ppl_dimension_type *m)
- int ppl_Octagonal_Shape_int8_t_affine_dimension (ppl_const_Octagonal_Shape_int8_t_t ph, ppl_dimension_type *m)
- int ppl_Octagonal_Shape_int8_t_relation_with_Constraint (ppl_const_Octagonal_Shape_int8_t_t ph, ppl_const_Constraint_t c)
- int ppl_Octagonal_Shape_int8_t_relation_with_Generator (ppl_const_Octagonal_Shape_int8_t_t ph, ppl_const_Generator_t c)
- int ppl_Octagonal_Shape_int8_t_relation_with_Congruence (ppl_const_Octagonal_Shape_int8_t_t ph, ppl_const_Congruence_t c)
- int ppl_Octagonal_Shape_int8_t_get_constraints (ppl_const_Octagonal_Shape_int8_t_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Octagonal_Shape_int8_t_get_congruences (ppl_const_Octagonal_Shape_int8_t_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Octagonal_Shape_int8_t_get_minimized_constraints (ppl_const_Octagonal_Shape_int8_t_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Octagonal_Shape_int8_t_get_minimized_congruences (ppl_const_Octagonal_Shape_int8_t_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Octagonal_Shape_int8_t_is_empty (ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_Octagonal_Shape_int8_t_is_universe (ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_Octagonal_Shape_int8_t_is_bounded (ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_Octagonal_Shape_int8_t_contains_integer_point (ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_Octagonal_Shape_int8_t_is_topologically_closed (ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_Octagonal_Shape_int8_t_is_discrete (ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_Octagonal_Shape_int8_t_topological_closure_assign (ppl_Octagonal_Shape_int8_t_t ph)
- int ppl_Octagonal_Shape_int8_t_bounds_from_above (ppl_const_Octagonal_Shape_int8_t_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Octagonal_Shape_int8_t_bounds_from_below (ppl_const_Octagonal_Shape_int8_t_t ph, ppl_const_Linear_Expression_t le)

- int ppl_Octagonal_Shape_int8_t_maximize (ppl_const_Octagonal_Shape_int8_t_t ph, ppl_const_-Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Octagonal_Shape_int8_t_minimize (ppl_const_Octagonal_Shape_int8_t_t ph, ppl_const_-Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Octagonal_Shape_int8_t_maximize_with_point (ppl_const_Octagonal_Shape_int8_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Octagonal_Shape_int8_t_minimize_with_point (ppl_const_Octagonal_Shape_int8_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Octagonal_Shape_int8_t_frequency (ppl_const_Octagonal_Shape_int8_t_t ph, ppl_const_-Linear_Expression_t le, ppl_Coefficient_t ext_fn, ppl_Coefficient_t ext_fd, ppl_Coefficient_t ext_-vn, ppl_Coefficient_t ext_vd)
- int ppl_Octagonal_Shape_int8_t_contains_Octagonal_Shape_int8_t (ppl_const_Octagonal_Shape_-int8_t_t x, ppl_const_Octagonal_Shape_int8_t_t y)
- int ppl_Octagonal_Shape_int8_t_strictly_contains_Octagonal_Shape_int8_t (ppl_const_-Octagonal_Shape_int8_t_t x, ppl_const_Octagonal_Shape_int8_t_t y)
- int ppl_Octagonal_Shape_int8_t_is_disjoint_from_Octagonal_Shape_int8_t (ppl_const_-Octagonal_Shape_int8_t_t x, ppl_const_Octagonal_Shape_int8_t_t y)
- int ppl_Octagonal_Shape_int8_t_equals_Octagonal_Shape_int8_t (ppl_const_Octagonal_Shape_-int8_t_t x, ppl_const_Octagonal_Shape_int8_t_t y)
- int ppl_Octagonal_Shape_int8_t_OK (ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_Octagonal_Shape_int8_t_add_constraint (ppl_Octagonal_Shape_int8_t_t ph, ppl_const_-Constraint_t c)
- int ppl_Octagonal_Shape_int8_t_add_congruence (ppl_Octagonal_Shape_int8_t_t ph, ppl_const_-Congruence_t c)
- int ppl_Octagonal_Shape_int8_t_add_constraints (ppl_Octagonal_Shape_int8_t_t ph, ppl_const_-Constraint_System_t cs)
- int ppl_Octagonal_Shape_int8_t_add_congruences (ppl_Octagonal_Shape_int8_t_t ph, ppl_const_-Congruence_System_t cs)
- int ppl_Octagonal_Shape_int8_t_refine_with_constraint (ppl_Octagonal_Shape_int8_t_t ph, ppl_-const_Constraint_t c)
- int ppl_Octagonal_Shape_int8_t_refine_with_congruence (ppl_Octagonal_Shape_int8_t_t ph, ppl_-const_Congruence_t c)
- int ppl_Octagonal_Shape_int8_t_refine_with_constraints (ppl_Octagonal_Shape_int8_t_t ph, ppl_-const_Constraint_System_t cs)
- int ppl_Octagonal_Shape_int8_t_refine_with_congruences (ppl_Octagonal_Shape_int8_t_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Octagonal_Shape_int8_t_intersection_assign (ppl_Octagonal_Shape_int8_t_t x, ppl_const_-Octagonal_Shape_int8_t_t y)
- int ppl_Octagonal_Shape_int8_t_upper_bound_assign (ppl_Octagonal_Shape_int8_t_t x, ppl_-const_Octagonal_Shape_int8_t_t y)
- int ppl_Octagonal_Shape_int8_t_difference_assign (ppl_Octagonal_Shape_int8_t_t x, ppl_const_-Octagonal_Shape_int8_t_t y)
- int ppl_Octagonal_Shape_int8_t_concatenate_assign (ppl_Octagonal_Shape_int8_t_t x, ppl_-const_Octagonal_Shape_int8_t_t y)
- int ppl_Octagonal_Shape_int8_t_time_elapse_assign (ppl_Octagonal_Shape_int8_t_t x, ppl_-const_Octagonal_Shape_int8_t_t y)
- int ppl_Octagonal_Shape_int8_t_upper_bound_assign_if_exact (ppl_Octagonal_Shape_int8_t_t x, ppl_const_Octagonal_Shape_int8_t_t y)
- int ppl_Octagonal_Shape_int8_t_simplify_using_context_assign (ppl_Octagonal_Shape_int8_t_t x, ppl_const_Octagonal_Shape_int8_t_t y)

- int ppl_Octagonal_Shape_int8_t_constrains (ppl_Octagonal_Shape_int8_t_t ph, ppl_dimension_type var)
- int ppl_Octagonal_Shape_int8_t_unconstrain_space_dimension (ppl_Octagonal_Shape_int8_t_t ph, ppl_dimension_type var)
- int ppl_Octagonal_Shape_int8_t_unconstrain_space_dimensions (ppl_Octagonal_Shape_int8_t_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Octagonal_Shape_int8_t_affine_image (ppl_Octagonal_Shape_int8_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_int8_t_affine_preimage (ppl_Octagonal_Shape_int8_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_int8_t_bounded_affine_image (ppl_Octagonal_Shape_int8_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_int8_t_bounded_affine_preimage (ppl_Octagonal_Shape_int8_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_int8_t_generalized_affine_image (ppl_Octagonal_Shape_int8_t_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_int8_t_generalized_affine_preimage (ppl_Octagonal_Shape_int8_t_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_int8_t_generalized_affine_image_lhs_rhs (ppl_Octagonal_Shape_int8_t_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Octagonal_Shape_int8_t_generalized_affine_preimage_lhs_rhs (ppl_Octagonal_Shape_int8_t_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Octagonal_Shape_int8_t_add_space_dimensions_and_embed (ppl_Octagonal_Shape_int8_t_t ph, ppl_dimension_type d)
- int ppl_Octagonal_Shape_int8_t_add_space_dimensions_and_project (ppl_Octagonal_Shape_int8_t_t ph, ppl_dimension_type d)
- int ppl_Octagonal_Shape_int8_t_remove_space_dimensions (ppl_Octagonal_Shape_int8_t_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Octagonal_Shape_int8_t_remove_higher_space_dimensions (ppl_Octagonal_Shape_int8_t_t ph, ppl_dimension_type d)
- int ppl_Octagonal_Shape_int8_t_expand_space_dimension (ppl_Octagonal_Shape_int8_t_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Octagonal_Shape_int8_t_fold_space_dimensions (ppl_Octagonal_Shape_int8_t_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Octagonal_Shape_int8_t_map_space_dimensions (ppl_Octagonal_Shape_int8_t_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Octagonal_Shape_int8_t_drop_some_non_integer_points (ppl_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_Octagonal_Shape_int8_t_drop_some_non_integer_points_2 (ppl_Octagonal_Shape_int8_t_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Octagonal_Shape_int8_t_external_memory_in_bytes (ppl_const_Octagonal_Shape_int8_t_t ps, size_t *sz)
- int ppl_Octagonal_Shape_int8_t_total_memory_in_bytes (ppl_const_Octagonal_Shape_int8_t_t ps, size_t *sz)
- int ppl_Octagonal_Shape_int8_t_BHMZ05_widening_assign_with_tokens (ppl_Octagonal_Shape_int8_t_t x, ppl_const_Octagonal_Shape_int8_t_t y, unsigned *tp)

- int ppl_Octagonal_Shape_int8_t_BHMZ05_widening_assign (ppl_Octagonal_Shape_int8_t_t x, ppl_const_Octagonal_Shape_int8_t_t y)
- int ppl_Octagonal_Shape_int8_t_widening_assign_with_tokens (ppl_Octagonal_Shape_int8_t_t x, ppl_const_Octagonal_Shape_int8_t_t y, unsigned *tp)
- int ppl_Octagonal_Shape_int8_t_widening_assign (ppl_Octagonal_Shape_int8_t_t x, ppl_const_Octagonal_Shape_int8_t_t y)
- int ppl_Octagonal_Shape_int8_t_limited_BHMZ05_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_int8_t_t x, ppl_const_Octagonal_Shape_int8_t_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_Octagonal_Shape_int8_t_limited_CC76_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_int8_t_t x, ppl_const_Octagonal_Shape_int8_t_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_Octagonal_Shape_int8_t_limited_BHMZ05_extrapolation_assign (ppl_Octagonal_Shape_int8_t_t x, ppl_const_Octagonal_Shape_int8_t_t y, ppl_const_Constraint_System_t cs)
- int ppl_Octagonal_Shape_int8_t_limited_CC76_extrapolation_assign (ppl_Octagonal_Shape_int8_t_t x, ppl_const_Octagonal_Shape_int8_t_t y, ppl_const_Constraint_System_t cs)
- int ppl_Octagonal_Shape_int8_t_CC76_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_int8_t_t x, ppl_const_Octagonal_Shape_int8_t_t y, unsigned *tp)
- int ppl_Octagonal_Shape_int8_t_CC76_extrapolation_assign (ppl_Octagonal_Shape_int8_t_t x, ppl_const_Octagonal_Shape_int8_t_t y)
- int ppl_Octagonal_Shape_int8_t_CC76_narrowing_assign (ppl_Octagonal_Shape_int8_t_t x, ppl_const_Octagonal_Shape_int8_t_t y)
- int ppl_Octagonal_Shape_int8_t_linear_partition (ppl_const_Octagonal_Shape_int8_t_t x, ppl_const_Octagonal_Shape_int8_t_t y, ppl_Octagonal_Shape_int8_t_t *p_inters, ppl_Pointset_Powerset_NNC_Polyhedron_t *p_rest)
- int ppl_Octagonal_Shape_int8_t_wrap_assign (ppl_Octagonal_Shape_int8_t_t ph, ppl_dimension_type ds[ ], size_t n, enum ppl_enum_Bounded_Integer_Type_Width w, enum ppl_enum_Bounded_Integer_Type_Representation r, enum ppl_enum_Bounded_Integer_Type_Overflow o, const ppl_const_Constraint_System_t *pcs, unsigned complexity_threshold, int wrap_individually)
- int ppl_new_Octagonal_Shape_int8_t_recycle_Constraint_System (ppl_Octagonal_Shape_int8_t_t *pph, ppl_Constraint_System_t cs)
- int ppl_new_Octagonal_Shape_int8_t_recycle_Congruence_System (ppl_Octagonal_Shape_int8_t_t *pph, ppl_Congruence_System_t cs)
- int ppl_new_Octagonal_Shape_int8_t_recycle_Generator_System (ppl_Octagonal_Shape_int8_t_t *pph, ppl_Generator_System_t cs)
- int ppl_assign_Octagonal_Shape_int8_t_from_Octagonal_Shape_int8_t (ppl_Octagonal_Shape_int8_t_t dst, ppl_const_Octagonal_Shape_int8_t_t src)
- int ppl_Octagonal_Shape_int8_t_add_recycled_constraints (ppl_Octagonal_Shape_int8_t_t ph, ppl_Constraint_System_t cs)
- int ppl_Octagonal_Shape_int8_t_add_recycled_congruences (ppl_Octagonal_Shape_int8_t_t ph, ppl_Congruence_System_t cs)
- int ppl_termination_test_MS_Octagonal_Shape_int8_t (ppl_const_Octagonal_Shape_int8_t_t pset)
- int ppl_termination_test_PR_Octagonal_Shape_int8_t (ppl_const_Octagonal_Shape_int8_t_t pset)
- int ppl_one_affine_ranking_function_MS_Octagonal_Shape_int8_t (ppl_const_Octagonal_Shape_int8_t_t pset, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Octagonal_Shape_int8_t (ppl_const_Octagonal_Shape_int8_t_t pset, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Octagonal_Shape_int8_t (ppl_const_Octagonal_Shape_int8_t_t pset, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Octagonal_Shape_int8_t (ppl_const_Octagonal_Shape_int8_t_t pset, ppl_Polyhedron_t ph)

- int ppl_termination_test_MS_Octagonal_Shape_int8_t_2 (ppl_const_Octagonal_Shape_int8_t_t pset_before, ppl_const_Octagonal_Shape_int8_t_t pset_after)
- int ppl_termination_test_PR_Octagonal_Shape_int8_t_2 (ppl_const_Octagonal_Shape_int8_t_t pset_before, ppl_const_Octagonal_Shape_int8_t_t pset_after)
- int ppl_one_affine_ranking_function_MS_Octagonal_Shape_int8_t_2 (ppl_const_Octagonal_Shape_int8_t_t pset_before, ppl_const_Octagonal_Shape_int8_t_t pset_after, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Octagonal_Shape_int8_t_2 (ppl_const_Octagonal_Shape_int8_t_t pset_before, ppl_const_Octagonal_Shape_int8_t_t pset_after, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Octagonal_Shape_int8_t_2 (ppl_const_Octagonal_Shape_int8_t_t pset_before, ppl_const_Octagonal_Shape_int8_t_t pset_after, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Octagonal_Shape_int8_t_2 (ppl_const_Octagonal_Shape_int8_t_t pset_before, ppl_const_Octagonal_Shape_int8_t_t pset_after, ppl_Polyhedron_t ph)
- int ppl_io_print_Octagonal_Shape_int8_t (ppl_const_Octagonal_Shape_int8_t_t x)
- int ppl_io_fprint_Octagonal_Shape_int8_t (FILE *stream, ppl_const_Octagonal_Shape_int8_t_t x)
- int ppl_io_asprint_Octagonal_Shape_int8_t (char **strp, ppl_const_Octagonal_Shape_int8_t_t x)
- int ppl_Octagonal_Shape_int8_t_ascii_dump (ppl_const_Octagonal_Shape_int8_t_t x, FILE *stream)
- int ppl_Octagonal_Shape_int8_t_ascii_load (ppl_Octagonal_Shape_int8_t_t x, FILE *stream)

7.44.1 Detailed Description

Types and functions for ppl_Octagonal_Shape_int8_t_tag.

7.44.2 Friends And Related Function Documentation

7.44.2.1 int ppl_delete_Octagonal_Shape_int8_t (ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.44.2.2 int ppl_new_Octagonal_Shape_int8_t_from_space_dimension (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.44.2.3 int ppl_new_Octagonal_Shape_int8_t_from_Int8_Box (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.44.2.4 int ppl_new_Octagonal_Shape_int8_t_from_Int16_Box (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.44.2.5 int ppl_new_Octagonal_Shape_int8_t_from_Int32_Box (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.44.2.6 int ppl_new_Octagonal_Shape_int8_t_from_Int64_Box (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.44.2.7 int ppl_new_Octagonal_Shape_int8_t_from_Uint8_Box (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.44.2.8 int ppl_new_Octagonal_Shape_int8_t_from_Uint16_Box (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.44.2.9 int ppl_new_Octagonal_Shape_int8_t_from_Uint32_Box (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.44.2.10 int ppl_new_Octagonal_Shape_int8_t_from_Uint64_Box (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.44.2.11 int ppl_new_Octagonal_Shape_int8_t_from_Z_Box (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.44.2.12 int ppl_new_Octagonal_Shape_int8_t_from_Rational_Box (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.44.2.13 int ppl_new_Octagonal_Shape_int8_t_from_BD_Shape_int8_t (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.44.2.14 int ppl_new_Octagonal_Shape_int8_t_from_BD_Shape_int16_t (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.44.2.15 int ppl_new_Octagonal_Shape_int8_t_from_BD_Shape_int32_t (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.44.2.16 int ppl_new_Octagonal_Shape_int8_t_from_BD_Shape_int64_t (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.44.2.17 int ppl_new_Octagonal_Shape_int8_t_from_BD_Shape_mpz_class (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.44.2.18 int ppl_new_Octagonal_Shape_int8_t_from_BD_Shape_mpq_class (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.44.2.19 int ppl_new_Octagonal_Shape_int8_t_from_Octagonal_Shape_int8_t (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.44.2.20 int ppl_new_Octagonal_Shape_int8_t_from_Octagonal_Shape_int16_t (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.44.2.21 int ppl_new_Octagonal_Shape_int8_t_from_Octagonal_Shape_int32_t (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.44.2.22 int ppl_new_Octagonal_Shape_int8_t_from_Octagonal_Shape_int64_t (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.44.2.23 int ppl_new_Octagonal_Shape_int8_t_from_Octagonal_Shape_mpz_class (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.44.2.24 int ppl_new_Octagonal_Shape_int8_t_from_Octagonal_Shape_mpq_class (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.44.2.25 int ppl_new_Octagonal_Shape_int8_t_from_C_Polyhedron (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.44.2.26 int ppl_new_Octagonal_Shape_int8_t_from_NNC_Polyhedron (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.44.2.27 int ppl_new_Octagonal_Shape_int8_t_from_Grid (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.44.2.28 int ppl_new_Octagonal_Shape_int8_t_from_Float_Box (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.44.2.29 int ppl_new_Octagonal_Shape_int8_t_from_BD_Shape_float (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.44.2.30 int ppl_new_Octagonal_Shape_int8_t_from_Octagonal_Shape_float (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.44.2.31 int ppl_new_Octagonal_Shape_int8_t_from_Double_Box (ppl_-Octagonal_Shape_int8_t_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.44.2.32 int ppl_new_Octagonal_Shape_int8_t_from_BD_Shape_double (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.44.2.33 int ppl_new_Octagonal_Shape_int8_t_from_Octagonal_Shape_double (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.44.2.34 int ppl_new_Octagonal_Shape_int8_t_from_Long_Double_Box (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.44.2.35 int ppl_new_Octagonal_Shape_int8_t_from_BD_Shape_long_double (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.44.2.36 int ppl_new_Octagonal_Shape_int8_t_from_Octagonal_Shape_long_double (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.44.2.37 int ppl_new_Octagonal_Shape_int8_t_from_Int8_Box_with_complexity (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.44.2.38 int ppl_new_Octagonal_Shape_int8_t_from_Int16_Box_with_complexity (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.44.2.39 int ppl_new_Octagonal_Shape_int8_t_from_Int32_Box_with_complexity (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.44.2.40 int ppl_new_Octagonal_Shape_int8_t_from_Int64_Box_with_complexity (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.44.2.41 int ppl_new_Octagonal_Shape_int8_t_from_Uint8_Box_with_complexity (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.44.2.42 int ppl_new_Octagonal_Shape_int8_t_from_Uint16_Box_with_complexity (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.44.2.43 int ppl_new_Octagonal_Shape_int8_t_from_Uint32_Box_with_complexity (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.44.2.44 int ppl_new_Octagonal_Shape_int8_t_from_Uint64_Box_with_complexity (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.44.2.45 int ppl_new_Octagonal_Shape_int8_t_from_Z_Box_with_complexity (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.44.2.46 int ppl_new_Octagonal_Shape_int8_t_from_Rational_Box_with_complexity (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.44.2.47 int ppl_new_Octagonal_Shape_int8_t_from_BD_Shape_int8_t_with_complexity (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.44.2.48 int ppl_new_Octagonal_Shape_int8_t_from_BD_Shape_int16_t_with_complexity (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.44.2.49 int ppl_new_Octagonal_Shape_int8_t_from_BD_Shape_int32_t_with_complexity (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.44.2.50 int ppl_new_Octagonal_Shape_int8_t_from_BD_Shape_int64_t_with_complexity (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.44.2.51 int ppl_new_Octagonal_Shape_int8_t_from_BD_Shape_mpz_class_with_complexity (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.44.2.52 int ppl_new_Octagonal_Shape_int8_t_from_BD_Shape_mpq_class_with_complexity (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.44.2.53 int ppl_new_Octagonal_Shape_int8_t_from_Octagonal_Shape_int8_t_with_complexity (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.44.2.54 int ppl_new_Octagonal_Shape_int8_t_from_Octagonal_Shape_int16_t_with_complexity (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.44.2.55 int ppl_new_Octagonal_Shape_int8_t_from_Octagonal_Shape_int32_t_with_complexity (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.44.2.56 int ppl_new_Octagonal_Shape_int8_t_from_Octagonal_Shape_int64_t_with_complexity (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.44.2.57 int ppl_new_Octagonal_Shape_int8_t_from_Octagonal_Shape_-mpz_class_with_complexity (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.44.2.58 int ppl_new_Octagonal_Shape_int8_t_from_Octagonal_Shape_-mpq_class_with_complexity (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.44.2.59 int ppl_new_Octagonal_Shape_int8_t_from_C_Polyhedron_with_complexity (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.44.2.60 int ppl_new_Octagonal_Shape_int8_t_from_NNC_Polyhedron_with_complexity (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.44.2.61 int ppl_new_Octagonal_Shape_int8_t_from_Grid_with_complexity (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.44.2.62 int ppl_new_Octagonal_Shape_int8_t_from_Float_Box_with_complexity (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.44.2.63 int ppl_new_Octagonal_Shape_int8_t_from_BD_Shape_float_with_complexity (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.44.2.64 int ppl_new_Octagonal_Shape_int8_t_from_Octagonal_Shape_float_with_complexity (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.44.2.65 int ppl_new_Octagonal_Shape_int8_t_from_Double_Box_with_complexity (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.44.2.66 int ppl_new_Octagonal_Shape_int8_t_from_BD_Shape_double_with_complexity (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.44.2.67 int ppl_new_Octagonal_Shape_int8_t_from_Octagonal_Shape_double_with_complexity (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.44.2.68 int ppl_new_Octagonal_Shape_int8_t_from_Long_Double_Box_with_complexity (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.44.2.69 int ppl_new_Octagonal_Shape_int8_t_from_BD_Shape_long_double_with_complexity (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.44.2.70 int ppl_new_Octagonal_Shape_int8_t_from_Octagonal_Shape_-long_double_with_complexity (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.44.2.71 int ppl_new_Octagonal_Shape_int8_t_from_Constraint_System (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.44.2.72 int ppl_new_Octagonal_Shape_int8_t_from_Congruence_System (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.44.2.73 int ppl_new_Octagonal_Shape_int8_t_from_Generator_System (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Generator_System_t *cs*) [related]

7.44.2.74 int ppl_Octagonal_Shape_int8_t_space_dimension (ppl_const_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type * *m*) [related]

7.44.2.75 int ppl_Octagonal_Shape_int8_t_affine_dimension (ppl_const_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type * *m*) [related]

7.44.2.76 int ppl_Octagonal_Shape_int8_t_relation_with_Constraint (ppl_const_Octagonal_Shape_int8_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.44.2.77 int ppl_Octagonal_Shape_int8_t_relation_with_Generator (ppl_const_Octagonal_Shape_int8_t_t *ph*, ppl_const_Generator_t *c*) [related]

7.44.2.78 int ppl_Octagonal_Shape_int8_t_relation_with_Congruence (ppl_const_Octagonal_Shape_int8_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.44.2.79 int ppl_Octagonal_Shape_int8_t_get_constraints (ppl_const_Octagonal_Shape_int8_t_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.44.2.80 int ppl_Octagonal_Shape_int8_t_get_congruences (ppl_const_Octagonal_Shape_int8_t_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.44.2.81 int ppl_Octagonal_Shape_int8_t_get_minimized_constraints (ppl_const_Octagonal_Shape_int8_t_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.44.2.82 int ppl_Octagonal_Shape_int8_t_get_minimized_congruences (ppl_const_Octagonal_Shape_int8_t_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.44.2.83 int ppl_Octagonal_Shape_int8_t_is_empty (ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.44.2.84 int ppl_Octagonal_Shape_int8_t_is_universe (ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.44.2.85 int ppl_Octagonal_Shape_int8_t_is_bounded (ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.44.2.86 int ppl_Octagonal_Shape_int8_t_contains_integer_point (ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.44.2.87 int ppl_Octagonal_Shape_int8_t_is_topologically_closed (ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.44.2.88 int ppl_Octagonal_Shape_int8_t_is_discrete (ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.44.2.89 int ppl_Octagonal_Shape_int8_t_topological_closure_assign (ppl_Octagonal_Shape_int8_t_t *ph*) [related]

7.44.2.90 int ppl_Octagonal_Shape_int8_t_bounds_from_above (ppl_const_Octagonal_Shape_int8_t_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.44.2.91 int ppl_Octagonal_Shape_int8_t_bounds_from_below (ppl_const_Octagonal_Shape_int8_t_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.44.2.92 int ppl_Octagonal_Shape_int8_t_maximize (ppl_const_Octagonal_Shape_int8_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.44.2.93 int ppl_Octagonal_Shape_int8_t_minimize (ppl_const_Octagonal_Shape_int8_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.44.2.94 int ppl_Octagonal_Shape_int8_t_maximize_with_point (ppl_const_Octagonal_Shape_int8_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.44.2.95 int ppl_Octagonal_Shape_int8_t_minimize_with_point (ppl_const_Octagonal_Shape_int8_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.44.2.96 int ppl_Octagonal_Shape_int8_t_frequency (ppl_const_Octagonal_Shape_int8_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_fn*, ppl_Coefficient_t *ext_fd*, ppl_Coefficient_t *ext_vn*, ppl_Coefficient_t *ext_vd*) [related]

7.44.2.97 int ppl_Octagonal_Shape_int8_t_contains_Octagonal_Shape_int8_t (ppl_const_Octagonal_Shape_int8_t_t *x*, ppl_const_Octagonal_Shape_int8_t_t *y*) [related]

7.44.2.98 int ppl_Octagonal_Shape_int8_t_strictly_contains_Octagonal_Shape_int8_t (ppl_const_Octagonal_Shape_int8_t_t *x*, ppl_const_Octagonal_Shape_int8_t_t *y*) [related]

7.44.2.99 int ppl_Octagonal_Shape_int8_t_is_disjoint_from_Octagonal_Shape_int8_t (ppl_const_Octagonal_Shape_int8_t_t *x*, ppl_const_Octagonal_Shape_int8_t_t *y*) [related]

7.44.2.100 int ppl_Octagonal_Shape_int8_t_equals_Octagonal_Shape_int8_t (ppl_const_Octagonal_Shape_int8_t_t *x*, ppl_const_Octagonal_Shape_int8_t_t *y*) [related]

7.44.2.101 int ppl_Octagonal_Shape_int8_t_OK (ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.44.2.102 int ppl_Octagonal_Shape_int8_t_add_constraint (ppl_Octagonal_Shape_int8_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.44.2.103 int ppl_Octagonal_Shape_int8_t_add_congruence (ppl_Octagonal_Shape_int8_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.44.2.104 int ppl_Octagonal_Shape_int8_t_add_constraints (ppl_Octagonal_Shape_int8_t_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.44.2.105 int ppl_Octagonal_Shape_int8_t_add_congruences (ppl_Octagonal_Shape_int8_t_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.44.2.106 int ppl_Octagonal_Shape_int8_t_refine_with_constraint (ppl_Octagonal_Shape_int8_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.44.2.107 int ppl_Octagonal_Shape_int8_t_refine_with_congruence (ppl_Octagonal_Shape_int8_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.44.2.108 int ppl_Octagonal_Shape_int8_t_refine_with_constraints (ppl_Octagonal_Shape_int8_t_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.44.2.109 int ppl_Octagonal_Shape_int8_t_refine_with_congruences (ppl_Octagonal_Shape_int8_t_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.44.2.110 int ppl_Octagonal_Shape_int8_t_intersection_assign (ppl_Octagonal_Shape_int8_t_t *x*, ppl_const_Octagonal_Shape_int8_t_t *y*) [related]

7.44.2.111 int ppl_Octagonal_Shape_int8_t_upper_bound_assign (ppl_Octagonal_Shape_int8_t_t *x*, ppl_const_Octagonal_Shape_int8_t_t *y*) [related]

7.44.2.112 int ppl_Octagonal_Shape_int8_t_difference_assign (ppl_Octagonal_Shape_int8_t_t *x*, ppl_const_Octagonal_Shape_int8_t_t *y*) [related]

7.44.2.113 int ppl_Octagonal_Shape_int8_t_concatenate_assign (ppl_Octagonal_Shape_int8_t_t *x*, ppl_const_Octagonal_Shape_int8_t_t *y*) [related]

7.44.2.114 int ppl_Octagonal_Shape_int8_t_time_elapse_assign (ppl_Octagonal_Shape_int8_t_t *x*, ppl_const_Octagonal_Shape_int8_t_t *y*) [related]

7.44.2.115 int ppl_Octagonal_Shape_int8_t_upper_bound_assign_if_exact (ppl_Octagonal_Shape_int8_t_t *x*, ppl_const_Octagonal_Shape_int8_t_t *y*) [related]

7.44.2.116 int ppl_Octagonal_Shape_int8_t_simplify_using_context_assign (ppl_Octagonal_Shape_int8_t_t *x*, ppl_const_Octagonal_Shape_int8_t_t *y*) [related]

7.44.2.117 int ppl_Octagonal_Shape_int8_t_constrains (ppl_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type *var*) [related]

7.44.2.118 int ppl_Octagonal_Shape_int8_t_unconstrain_space_dimension (ppl_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type *var*) [related]

7.44.2.119 int ppl_Octagonal_Shape_int8_t_unconstrain_space_dimensions (ppl_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.44.2.120 int ppl_Octagonal_Shape_int8_t_affine_image (ppl_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.44.2.121 int ppl_Octagonal_Shape_int8_t_affine_preimage (ppl_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.44.2.122 int ppl_Octagonal_Shape_int8_t_bounded_affine_image (ppl_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.44.2.123 **int ppl_Octagonal_Shape_int8_t_bounded_affine_preimage (ppl_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]**

7.44.2.124 **int ppl_Octagonal_Shape_int8_t_generalized_affine_image (ppl_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]**

7.44.2.125 **int ppl_Octagonal_Shape_int8_t_generalized_affine_preimage (ppl_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]**

7.44.2.126 **int ppl_Octagonal_Shape_int8_t_generalized_affine_image_lhs_rhs (ppl_Octagonal_Shape_int8_t_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]**

7.44.2.127 **int ppl_Octagonal_Shape_int8_t_generalized_affine_preimage_lhs_rhs (ppl_Octagonal_Shape_int8_t_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]**

7.44.2.128 **int ppl_Octagonal_Shape_int8_t_add_space_dimensions_and_embed (ppl_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type *d*) [related]**

7.44.2.129 **int ppl_Octagonal_Shape_int8_t_add_space_dimensions_and_project (ppl_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type *d*) [related]**

7.44.2.130 **int ppl_Octagonal_Shape_int8_t_remove_space_dimensions (ppl_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]**

7.44.2.131 int ppl_Octagonal_Shape_int8_t_remove_higher_space_dimensions (ppl_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type *d*) [related]

7.44.2.132 int ppl_Octagonal_Shape_int8_t_expand_space_dimension (ppl_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.44.2.133 int ppl_Octagonal_Shape_int8_t_fold_space_dimensions (ppl_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.44.2.134 int ppl_Octagonal_Shape_int8_t_map_space_dimensions (ppl_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.44.2.135 int ppl_Octagonal_Shape_int8_t_drop_some_non_integer_points (ppl_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.44.2.136 int ppl_Octagonal_Shape_int8_t_drop_some_non_integer_points_2 (ppl_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.44.2.137 int ppl_Octagonal_Shape_int8_t_external_memory_in_bytes (ppl_const_Octagonal_Shape_int8_t_t *ps*, size_t * *sz*) [related]

7.44.2.138 int ppl_Octagonal_Shape_int8_t_total_memory_in_bytes (ppl_const_Octagonal_Shape_int8_t_t *ps*, size_t * *sz*) [related]

7.44.2.139 int ppl_Octagonal_Shape_int8_t_BHMZ05_widening_assign_with_tokens (ppl_Octagonal_Shape_int8_t_t *x*, ppl_const_Octagonal_Shape_int8_t_t *y*, unsigned * *tp*) [related]

7.44.2.140 int ppl_Octagonal_Shape_int8_t_BHMZ05_widening_assign (ppl_Octagonal_Shape_int8_t_t *x*, ppl_const_Octagonal_Shape_int8_t_t *y*) [related]

7.44.2.141 int ppl_Octagonal_Shape_int8_t_widening_assign_with_tokens (ppl_Octagonal_Shape_int8_t_t *x*, ppl_const_Octagonal_Shape_int8_t_t *y*, unsigned * *tp*) [related]

7.44.2.142 int ppl_Octagonal_Shape_int8_t_widening_assign (ppl_Octagonal_Shape_int8_t_t *x*, ppl_const_Octagonal_Shape_int8_t_t *y*) [related]

7.44.2.143 int ppl_Octagonal_Shape_int8_t_limited_BHMZ05_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_int8_t_t *x*, ppl_const_Octagonal_Shape_int8_t_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.44.2.144 int ppl_Octagonal_Shape_int8_t_limited_CC76_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_int8_t_t *x*, ppl_const_Octagonal_Shape_int8_t_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.44.2.145 int ppl_Octagonal_Shape_int8_t_limited_BHMZ05_extrapolation_assign (ppl_Octagonal_Shape_int8_t_t *x*, ppl_const_Octagonal_Shape_int8_t_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.44.2.146 int ppl_Octagonal_Shape_int8_t_limited_CC76_extrapolation_assign (ppl_Octagonal_Shape_int8_t_t *x*, ppl_const_Octagonal_Shape_int8_t_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.44.2.147 int ppl_Octagonal_Shape_int8_t_CC76_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_int8_t_t *x*, ppl_const_Octagonal_Shape_int8_t_t *y*, unsigned * *tp*) [related]

7.44.2.148 int ppl_Octagonal_Shape_int8_t_CC76_extrapolation_assign (ppl_Octagonal_Shape_int8_t_t *x*, ppl_const_Octagonal_Shape_int8_t_t *y*) [related]

7.44.2.149 int ppl_Octagonal_Shape_int8_t_CC76_narrowing_assign (ppl_Octagonal_Shape_int8_t_t *x*, ppl_const_Octagonal_Shape_int8_t_t *y*) [related]

7.44.2.150 int ppl_Octagonal_Shape_int8_t_linear_partition (ppl_const_Octagonal_Shape_int8_t_t *x*, ppl_const_Octagonal_Shape_int8_t_t *y*, ppl_Octagonal_Shape_int8_t_t * *p_inters*, ppl_Pointset_Powerset_NNC_Polyhedron_t * *p_rest*) [related]

7.44.2.151 int ppl_Octagonal_Shape_int8_t_wrap_assign (ppl_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, enum ppl_enum_Bounded_Integer_Type_Width *w*, enum ppl_enum_Bounded_Integer_Type_Representation *r*, enum ppl_enum_Bounded_Integer_Type_Overflow *o*, const ppl_const_Constraint_System_t * *pcs*, unsigned *complexity_threshold*, int *wrap_individually*) [related]

7.44.2.152 int ppl_new_Octagonal_Shape_int8_t_recycle_Constraint_System (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_Constraint_System_t *cs*) [related]

7.44.2.153 int ppl_new_Octagonal_Shape_int8_t_recycle_Congruence_System (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_Congruence_System_t *cs*) [related]

7.44.2.154 int ppl_new_Octagonal_Shape_int8_t_recycle_Generator_System (ppl_Octagonal_Shape_int8_t_t * *pph*, ppl_Generator_System_t *cs*) [related]

7.44.2.155 int ppl_assign_Octagonal_Shape_int8_t_from_Octagonal_Shape_int8_t (ppl_Octagonal_Shape_int8_t_t *dst*, ppl_const_Octagonal_Shape_int8_t_t *src*) [related]

7.44.2.156 int ppl_Octagonal_Shape_int8_t_add_recycled_constraints (ppl_Octagonal_Shape_int8_t_t *ph*, ppl_Constraint_System_t *cs*) [related]

7.44.2.157 int ppl_Octagonal_Shape_int8_t_add_recycled_congruences (ppl_Octagonal_Shape_int8_t_t *ph*, ppl_Congruence_System_t *cs*) [related]

7.44.2.158 int ppl_termination_test_MS_Octagonal_Shape_int8_t (ppl_const_Octagonal_Shape_-int8_t_t *pset*) [related]

7.44.2.159 int ppl_termination_test_PR_Octagonal_Shape_int8_t (ppl_const_Octagonal_Shape_-int8_t_t *pset*) [related]

7.44.2.160 int ppl_one_affine_ranking_function_MS_Octagonal_Shape_int8_t (ppl_const_Octagonal_Shape_int8_t_t *pset*, ppl_Generator_t *point*) [related]

7.44.2.161 int ppl_one_affine_ranking_function_PR_Octagonal_Shape_int8_t (ppl_const_Octagonal_Shape_int8_t_t *pset*, ppl_Generator_t *point*) [related]

7.44.2.162 int ppl_all_affine_ranking_functions_MS_Octagonal_Shape_int8_t (ppl_const_Octagonal_Shape_int8_t_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.44.2.163 int ppl_all_affine_ranking_functions_PR_Octagonal_Shape_int8_t (ppl_const_Octagonal_Shape_int8_t_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.44.2.164 int ppl_termination_test_MS_Octagonal_Shape_int8_t_2 (ppl_const_Octagonal_Shape_int8_t_t *pset_before*, ppl_const_Octagonal_Shape_int8_t_t *pset_after*) [related]

7.44.2.165 int ppl_termination_test_PR_Octagonal_Shape_int8_t_2 (ppl_const_Octagonal_Shape_int8_t_t *pset_before*, ppl_const_Octagonal_Shape_int8_t_t *pset_after*) [related]

7.44.2.166 int ppl_one_affine_ranking_function_MS_Octagonal_Shape_int8_t_2 (ppl_const_Octagonal_Shape_int8_t_t *pset_before*, ppl_const_Octagonal_Shape_int8_t_t *pset_after*, ppl_Generator_t *point*) [related]

7.44.2.167 int ppl_one_affine_ranking_function_PR_Octagonal_Shape_int8_t_2 (ppl_const_Octagonal_Shape_int8_t_t *pset_before*, ppl_const_Octagonal_Shape_int8_t_t *pset_after*, ppl_Generator_t *point*) [related]

7.44.2.168 int ppl_all_affine_ranking_functions_MS_Octagonal_Shape_int8_t_2 (ppl_const_Octagonal_Shape_int8_t_t *pset_before*, ppl_const_Octagonal_Shape_int8_t_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.44.2.169 int ppl_all_affine_ranking_functions_PR_Octagonal_Shape_int8_t_2 (ppl_const_Octagonal_Shape_int8_t_t *pset_before*, ppl_const_Octagonal_Shape_int8_t_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.44.2.170 int ppl_io_print_Octagonal_Shape_int8_t (ppl_const_Octagonal_Shape_int8_t_t *x*) [related]

7.44.2.171 int ppl_io_fprint_Octagonal_Shape_int8_t (FILE * *stream*, ppl_const_Octagonal_Shape_int8_t_t *x*) [related]

7.44.2.172 int ppl_io_asprint_Octagonal_Shape_int8_t (char ** *strp*, ppl_const_Octagonal_Shape_int8_t_t *x*) [related]

7.44.2.173 int ppl_Octagonal_Shape_int8_t_ascii_dump (ppl_const_Octagonal_Shape_int8_t_t *x*, FILE * *stream*) [related]

7.44.2.174 int ppl_Octagonal_Shape_int8_t_ascii_load (ppl_Octagonal_Shape_int8_t_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.45 ppl_Octagonal_Shape_long_double_tag Interface Reference

Types and functions for ppl_Octagonal_Shape_long_double_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Octagonal_Shape_long_double (ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_Octagonal_Shape_long_double_from_space_dimension (ppl_Octagonal_Shape_long_double_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Octagonal_Shape_long_double_from_Int8_Box (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Int8_Box_t ph)
- int ppl_new_Octagonal_Shape_long_double_from_Int16_Box (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_Octagonal_Shape_long_double_from_Int32_Box (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_Octagonal_Shape_long_double_from_Int64_Box (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_Octagonal_Shape_long_double_from_Uint8_Box (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_Octagonal_Shape_long_double_from_Uint16_Box (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Uint16_Box_t ph)
- int ppl_new_Octagonal_Shape_long_double_from_Uint32_Box (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_Octagonal_Shape_long_double_from_Uint64_Box (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_Octagonal_Shape_long_double_from_Z_Box (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Z_Box_t ph)

- int ppl_new_Octagonal_Shape_long_double_from_Rational_Box (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_Octagonal_Shape_long_double_from_BD_Shape_int8_t (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_Octagonal_Shape_long_double_from_BD_Shape_int16_t (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_Octagonal_Shape_long_double_from_BD_Shape_int32_t (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_Octagonal_Shape_long_double_from_BD_Shape_int64_t (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_Octagonal_Shape_long_double_from_BD_Shape_mpz_class (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_Octagonal_Shape_long_double_from_BD_Shape_mpq_class (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_Octagonal_Shape_long_double_from_Octagonal_Shape_int8_t (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_Octagonal_Shape_long_double_from_Octagonal_Shape_int16_t (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_Octagonal_Shape_long_double_from_Octagonal_Shape_int32_t (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_Octagonal_Shape_long_double_from_Octagonal_Shape_int64_t (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_Octagonal_Shape_long_double_from_Octagonal_Shape_mpz_class (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_Octagonal_Shape_long_double_from_Octagonal_Shape_mpq_class (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_Octagonal_Shape_long_double_from_C_Polyhedron (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Octagonal_Shape_long_double_from_NNC_Polyhedron (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Octagonal_Shape_long_double_from_Grid (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Grid_t ph)
- int ppl_new_Octagonal_Shape_long_double_from_Float_Box (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_Octagonal_Shape_long_double_from_BD_Shape_float (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_BD_Shape_float_t ph)
- int ppl_new_Octagonal_Shape_long_double_from_Octagonal_Shape_float (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_Octagonal_Shape_long_double_from_Double_Box (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Double_Box_t ph)
- int ppl_new_Octagonal_Shape_long_double_from_BD_Shape_double (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_BD_Shape_double_t ph)
- int ppl_new_Octagonal_Shape_long_double_from_Octagonal_Shape_double (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_Octagonal_Shape_long_double_from_Long_Double_Box (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Long_Double_Box_t ph)
- int ppl_new_Octagonal_Shape_long_double_from_BD_Shape_long_double (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_Octagonal_Shape_long_double_from_Octagonal_Shape_long_double (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_Octagonal_Shape_long_double_from_Int8_Box_with_complexity (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Int8_Box_t ph, int complexity)

- int ppl_new_Octagonal_Shape_long_double_from_Int16_Box_with_complexity (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_long_double_from_Int32_Box_with_complexity (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_long_double_from_Int64_Box_with_complexity (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_long_double_from_Uint8_Box_with_complexity (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_long_double_from_Uint16_Box_with_complexity (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_long_double_from_Uint32_Box_with_complexity (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Uint32_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_long_double_from_Uint64_Box_with_complexity (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_long_double_from_Z_Box_with_complexity (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_long_double_from_Rational_Box_with_complexity (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_long_double_from_BD_Shape_int8_t_with_complexity (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_long_double_from_BD_Shape_int16_t_with_complexity (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_long_double_from_BD_Shape_int32_t_with_complexity (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_long_double_from_BD_Shape_int64_t_with_complexity (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_long_double_from_BD_Shape_mpz_class_with_complexity (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Octagonal_Shape_long_double_from_BD_Shape_mpq_class_with_complexity (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Octagonal_Shape_long_double_from_Octagonal_Shape_int8_t_with_complexity (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_long_double_from_Octagonal_Shape_int16_t_with_complexity (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_long_double_from_Octagonal_Shape_int32_t_with_complexity (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_long_double_from_Octagonal_Shape_int64_t_with_complexity (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_long_double_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Octagonal_Shape_long_double_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Octagonal_Shape_long_double_from_C_Polyhedron_with_complexity (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Octagonal_Shape_long_double_from_NNC_Polyhedron_with_complexity (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Polyhedron_t ph, int complexity)

- int ppl_new_Octagonal_Shape_long_double_from_Grid_with_complexity (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_Octagonal_Shape_long_double_from_Float_Box_with_complexity (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_long_double_from_BD_Shape_float_with_complexity (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)
- int ppl_new_Octagonal_Shape_long_double_from_Octagonal_Shape_float_with_complexity (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_Octagonal_Shape_long_double_from_Double_Box_with_complexity (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_long_double_from_BD_Shape_double_with_complexity (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_Octagonal_Shape_long_double_from_Octagonal_Shape_double_with_complexity (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_Octagonal_Shape_long_double_from_Long_Double_Box_with_complexity (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_long_double_from_BD_Shape_long_double_with_complexity (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_Octagonal_Shape_long_double_from_Octagonal_Shape_long_double_with_complexity (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_Octagonal_Shape_long_double_from_Constraint_System (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Octagonal_Shape_long_double_from_Congruence_System (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_new_Octagonal_Shape_long_double_from_Generator_System (ppl_Octagonal_Shape_long_double_t *pph, ppl_const_Generator_System_t cs)
- int ppl_Octagonal_Shape_long_double_space_dimension (ppl_const_Octagonal_Shape_long_double_t ph, ppl_dimension_type *m)
- int ppl_Octagonal_Shape_long_double_affine_dimension (ppl_const_Octagonal_Shape_long_double_t ph, ppl_dimension_type *m)
- int ppl_Octagonal_Shape_long_double_relation_with_Constraint (ppl_const_Octagonal_Shape_long_double_t ph, ppl_const_Constraint_t c)
- int ppl_Octagonal_Shape_long_double_relation_with_Generator (ppl_const_Octagonal_Shape_long_double_t ph, ppl_const_Generator_t c)
- int ppl_Octagonal_Shape_long_double_relation_with_Congruence (ppl_const_Octagonal_Shape_long_double_t ph, ppl_const_Congruence_t c)
- int ppl_Octagonal_Shape_long_double_get_constraints (ppl_const_Octagonal_Shape_long_double_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Octagonal_Shape_long_double_get_congruences (ppl_const_Octagonal_Shape_long_double_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Octagonal_Shape_long_double_get_minimized_constraints (ppl_const_Octagonal_Shape_long_double_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Octagonal_Shape_long_double_get_minimized_congruences (ppl_const_Octagonal_Shape_long_double_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Octagonal_Shape_long_double_is_empty (ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_Octagonal_Shape_long_double_is_universe (ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_Octagonal_Shape_long_double_is_bounded (ppl_const_Octagonal_Shape_long_double_t ph)

- int ppl_Octagonal_Shape_long_double_contains_integer_point (ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_Octagonal_Shape_long_double_is_topologically_closed (ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_Octagonal_Shape_long_double_is_discrete (ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_Octagonal_Shape_long_double_topological_closure_assign (ppl_Octagonal_Shape_long_double_t ph)
- int ppl_Octagonal_Shape_long_double_bounds_from_above (ppl_const_Octagonal_Shape_long_double_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Octagonal_Shape_long_double_bounds_from_below (ppl_const_Octagonal_Shape_long_double_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Octagonal_Shape_long_double_maximize (ppl_const_Octagonal_Shape_long_double_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Octagonal_Shape_long_double_minimize (ppl_const_Octagonal_Shape_long_double_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Octagonal_Shape_long_double_maximize_with_point (ppl_const_Octagonal_Shape_long_double_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Octagonal_Shape_long_double_minimize_with_point (ppl_const_Octagonal_Shape_long_double_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Octagonal_Shape_long_double_frequency (ppl_const_Octagonal_Shape_long_double_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_fn, ppl_Coefficient_t ext_fd, ppl_Coefficient_t ext_vn, ppl_Coefficient_t ext_vd)
- int ppl_Octagonal_Shape_long_double_contains_Octagonal_Shape_long_double (ppl_const_Octagonal_Shape_long_double_t x, ppl_const_Octagonal_Shape_long_double_t y)
- int ppl_Octagonal_Shape_long_double_strictly_contains_Octagonal_Shape_long_double (ppl_const_Octagonal_Shape_long_double_t x, ppl_const_Octagonal_Shape_long_double_t y)
- int ppl_Octagonal_Shape_long_double_is_disjoint_from_Octagonal_Shape_long_double (ppl_const_Octagonal_Shape_long_double_t x, ppl_const_Octagonal_Shape_long_double_t y)
- int ppl_Octagonal_Shape_long_double_equals_Octagonal_Shape_long_double (ppl_const_Octagonal_Shape_long_double_t x, ppl_const_Octagonal_Shape_long_double_t y)
- int ppl_Octagonal_Shape_long_double_OK (ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_Octagonal_Shape_long_double_add_constraint (ppl_Octagonal_Shape_long_double_t ph, ppl_const_Constraint_t c)
- int ppl_Octagonal_Shape_long_double_add_congruence (ppl_Octagonal_Shape_long_double_t ph, ppl_const_Congruence_t c)
- int ppl_Octagonal_Shape_long_double_add_constraints (ppl_Octagonal_Shape_long_double_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Octagonal_Shape_long_double_add_congruences (ppl_Octagonal_Shape_long_double_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Octagonal_Shape_long_double_refine_with_constraint (ppl_Octagonal_Shape_long_double_t ph, ppl_const_Constraint_t c)
- int ppl_Octagonal_Shape_long_double_refine_with_congruence (ppl_Octagonal_Shape_long_double_t ph, ppl_const_Congruence_t c)
- int ppl_Octagonal_Shape_long_double_refine_with_constraints (ppl_Octagonal_Shape_long_double_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Octagonal_Shape_long_double_refine_with_congruences (ppl_Octagonal_Shape_long_double_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Octagonal_Shape_long_double_intersection_assign (ppl_Octagonal_Shape_long_double_t x, ppl_const_Octagonal_Shape_long_double_t y)

- int ppl_Octagonal_Shape_long_double_upper_bound_assign (ppl_Octagonal_Shape_long_double_t x, ppl_const_Octagonal_Shape_long_double_t y)
- int ppl_Octagonal_Shape_long_double_difference_assign (ppl_Octagonal_Shape_long_double_t x, ppl_const_Octagonal_Shape_long_double_t y)
- int ppl_Octagonal_Shape_long_double_concatenate_assign (ppl_Octagonal_Shape_long_double_t x, ppl_const_Octagonal_Shape_long_double_t y)
- int ppl_Octagonal_Shape_long_double_time_elapse_assign (ppl_Octagonal_Shape_long_double_t x, ppl_const_Octagonal_Shape_long_double_t y)
- int ppl_Octagonal_Shape_long_double_upper_bound_assign_if_exact (ppl_Octagonal_Shape_long_double_t x, ppl_const_Octagonal_Shape_long_double_t y)
- int ppl_Octagonal_Shape_long_double_simplify_using_context_assign (ppl_Octagonal_Shape_long_double_t x, ppl_const_Octagonal_Shape_long_double_t y)
- int ppl_Octagonal_Shape_long_double_constrains (ppl_Octagonal_Shape_long_double_t ph, ppl_dimension_type var)
- int ppl_Octagonal_Shape_long_double_unconstrain_space_dimension (ppl_Octagonal_Shape_long_double_t ph, ppl_dimension_type var)
- int ppl_Octagonal_Shape_long_double_unconstrain_space_dimensions (ppl_Octagonal_Shape_long_double_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Octagonal_Shape_long_double_affine_image (ppl_Octagonal_Shape_long_double_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_long_double_affine_preimage (ppl_Octagonal_Shape_long_double_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_long_double_bounded_affine_image (ppl_Octagonal_Shape_long_double_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_long_double_bounded_affine_preimage (ppl_Octagonal_Shape_long_double_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_long_double_generalized_affine_image (ppl_Octagonal_Shape_long_double_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_long_double_generalized_affine_preimage (ppl_Octagonal_Shape_long_double_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_long_double_generalized_affine_image_lhs_rhs (ppl_Octagonal_Shape_long_double_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Octagonal_Shape_long_double_generalized_affine_preimage_lhs_rhs (ppl_Octagonal_Shape_long_double_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Octagonal_Shape_long_double_add_space_dimensions_and_embed (ppl_Octagonal_Shape_long_double_t ph, ppl_dimension_type d)
- int ppl_Octagonal_Shape_long_double_add_space_dimensions_and_project (ppl_Octagonal_Shape_long_double_t ph, ppl_dimension_type d)
- int ppl_Octagonal_Shape_long_double_remove_space_dimensions (ppl_Octagonal_Shape_long_double_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Octagonal_Shape_long_double_remove_higher_space_dimensions (ppl_Octagonal_Shape_long_double_t ph, ppl_dimension_type d)
- int ppl_Octagonal_Shape_long_double_expand_space_dimension (ppl_Octagonal_Shape_long_double_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Octagonal_Shape_long_double_fold_space_dimensions (ppl_Octagonal_Shape_long_double_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)

- int ppl_Octagonal_Shape_long_double_map_space_dimensions (ppl_Octagonal_Shape_long_double_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Octagonal_Shape_long_double_drop_some_non_integer_points (ppl_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_Octagonal_Shape_long_double_drop_some_non_integer_points_2 (ppl_Octagonal_Shape_long_double_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Octagonal_Shape_long_double_external_memory_in_bytes (ppl_const_Octagonal_Shape_long_double_t ps, size_t *sz)
- int ppl_Octagonal_Shape_long_double_total_memory_in_bytes (ppl_const_Octagonal_Shape_long_double_t ps, size_t *sz)
- int ppl_Octagonal_Shape_long_double_BHMZ05_widening_assign_with_tokens (ppl_Octagonal_Shape_long_double_t x, ppl_const_Octagonal_Shape_long_double_t y, unsigned *tp)
- int ppl_Octagonal_Shape_long_double_BHMZ05_widening_assign (ppl_Octagonal_Shape_long_double_t x, ppl_const_Octagonal_Shape_long_double_t y)
- int ppl_Octagonal_Shape_long_double_widening_assign_with_tokens (ppl_Octagonal_Shape_long_double_t x, ppl_const_Octagonal_Shape_long_double_t y, unsigned *tp)
- int ppl_Octagonal_Shape_long_double_widening_assign (ppl_Octagonal_Shape_long_double_t x, ppl_const_Octagonal_Shape_long_double_t y)
- int ppl_Octagonal_Shape_long_double_limited_BHMZ05_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_long_double_t x, ppl_const_Octagonal_Shape_long_double_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_Octagonal_Shape_long_double_limited_CC76_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_long_double_t x, ppl_const_Octagonal_Shape_long_double_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_Octagonal_Shape_long_double_limited_BHMZ05_extrapolation_assign (ppl_Octagonal_Shape_long_double_t x, ppl_const_Octagonal_Shape_long_double_t y, ppl_const_Constraint_System_t cs)
- int ppl_Octagonal_Shape_long_double_limited_CC76_extrapolation_assign (ppl_Octagonal_Shape_long_double_t x, ppl_const_Octagonal_Shape_long_double_t y, ppl_const_Constraint_System_t cs)
- int ppl_Octagonal_Shape_long_double_CC76_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_long_double_t x, ppl_const_Octagonal_Shape_long_double_t y, unsigned *tp)
- int ppl_Octagonal_Shape_long_double_CC76_extrapolation_assign (ppl_Octagonal_Shape_long_double_t x, ppl_const_Octagonal_Shape_long_double_t y)
- int ppl_Octagonal_Shape_long_double_CC76_narrowing_assign (ppl_Octagonal_Shape_long_double_t x, ppl_const_Octagonal_Shape_long_double_t y)
- int ppl_Octagonal_Shape_long_double_linear_partition (ppl_const_Octagonal_Shape_long_double_t x, ppl_const_Octagonal_Shape_long_double_t y, ppl_Octagonal_Shape_long_double_t *p_inters, ppl_Pointset_Powerset_NNC_Polyhedron_t *p_rest)
- int ppl_Octagonal_Shape_long_double_wrap_assign (ppl_Octagonal_Shape_long_double_t ph, ppl_dimension_type ds[ ], size_t n, enum ppl_enum_Bounded_Integer_Type_Width w, enum ppl_enum_Bounded_Integer_Type_Representation r, enum ppl_enum_Bounded_Integer_Type_Overflow o, const ppl_const_Constraint_System_t *pcs, unsigned complexity_threshold, int wrap_individually)
- int ppl_new_Octagonal_Shape_long_double_recycle_Constraint_System (ppl_Octagonal_Shape_long_double_t *pph, ppl_Constraint_System_t cs)
- int ppl_new_Octagonal_Shape_long_double_recycle_Congruence_System (ppl_Octagonal_Shape_long_double_t *pph, ppl_Congruence_System_t cs)
- int ppl_new_Octagonal_Shape_long_double_recycle_Generator_System (ppl_Octagonal_Shape_long_double_t *pph, ppl_Generator_System_t cs)
- int ppl_assign_Octagonal_Shape_long_double_from_Octagonal_Shape_long_double (ppl_Octagonal_Shape_long_double_t dst, ppl_const_Octagonal_Shape_long_double_t src)

- int ppl_Octagonal_Shape_long_double_add_recycled_constraints (ppl_Octagonal_Shape_long_-double_t ph, ppl_Constraint_System_t cs)
- int ppl_Octagonal_Shape_long_double_add_recycled_congruences (ppl_Octagonal_Shape_long_-double_t ph, ppl_Congruence_System_t cs)
- int ppl_termination_test_MS_Octagonal_Shape_long_double (ppl_const_Octagonal_Shape_long_-double_t pset)
- int ppl_termination_test_PR_Octagonal_Shape_long_double (ppl_const_Octagonal_Shape_long_-double_t pset)
- int ppl_one_affine_ranking_function_MS_Octagonal_Shape_long_double (ppl_const_Octagonal_-Shape_long_double_t pset, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Octagonal_Shape_long_double (ppl_const_Octagonal_-Shape_long_double_t pset, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Octagonal_Shape_long_double (ppl_const_Octagonal_-Shape_long_double_t pset, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Octagonal_Shape_long_double (ppl_const_Octagonal_-Shape_long_double_t pset, ppl_Polyhedron_t ph)
- int ppl_termination_test_MS_Octagonal_Shape_long_double_2 (ppl_const_Octagonal_Shape_-long_double_t pset_before, ppl_const_Octagonal_Shape_long_double_t pset_after)
- int ppl_termination_test_PR_Octagonal_Shape_long_double_2 (ppl_const_Octagonal_Shape_-long_double_t pset_before, ppl_const_Octagonal_Shape_long_double_t pset_after)
- int ppl_one_affine_ranking_function_MS_Octagonal_Shape_long_double_2 (ppl_const_-Octagonal_Shape_long_double_t pset_before, ppl_const_Octagonal_Shape_long_double_t pset_after, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Octagonal_Shape_long_double_2 (ppl_const_-Octagonal_Shape_long_double_t pset_before, ppl_const_Octagonal_Shape_long_double_t pset_after, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Octagonal_Shape_long_double_2 (ppl_const_-Octagonal_Shape_long_double_t pset_before, ppl_const_Octagonal_Shape_long_double_t pset_after, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Octagonal_Shape_long_double_2 (ppl_const_-Octagonal_Shape_long_double_t pset_before, ppl_const_Octagonal_Shape_long_double_t pset_after, ppl_Polyhedron_t ph)
- int ppl_io_print_Octagonal_Shape_long_double (ppl_const_Octagonal_Shape_long_double_t x)
- int ppl_io_fprint_Octagonal_Shape_long_double (FILE *stream, ppl_const_Octagonal_Shape_-long_double_t x)
- int ppl_io_asprint_Octagonal_Shape_long_double (char **strp, ppl_const_Octagonal_Shape_-long_double_t x)
- int ppl_Octagonal_Shape_long_double_ascii_dump (ppl_const_Octagonal_Shape_long_double_t x, FILE *stream)
- int ppl_Octagonal_Shape_long_double_ascii_load (ppl_Octagonal_Shape_long_double_t x, FILE *stream)

7.45.1 Detailed Description

Types and functions for ppl_Octagonal_Shape_long_double_tag.

7.45.2 Friends And Related Function Documentation

7.45.2.1 int ppl_delete_Octagonal_Shape_long_double (ppl_const_Octagonal_Shape_long_-double_t *ph*) [related]

7.45.2.2 int ppl_new_Octagonal_Shape_long_double_from_space_dimension (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.45.2.3 int ppl_new_Octagonal_Shape_long_double_from_Int8_Box (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.45.2.4 int ppl_new_Octagonal_Shape_long_double_from_Int16_Box (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.45.2.5 int ppl_new_Octagonal_Shape_long_double_from_Int32_Box (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.45.2.6 int ppl_new_Octagonal_Shape_long_double_from_Int64_Box (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.45.2.7 int ppl_new_Octagonal_Shape_long_double_from_Uint8_Box (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.45.2.8 int ppl_new_Octagonal_Shape_long_double_from_Uint16_Box (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.45.2.9 int ppl_new_Octagonal_Shape_long_double_from_Uint32_Box (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.45.2.10 int ppl_new_Octagonal_Shape_long_double_from_Uint64_Box (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.45.2.11 int ppl_new_Octagonal_Shape_long_double_from_Z_Box (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.45.2.12 int ppl_new_Octagonal_Shape_long_double_from_Rational_Box (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.45.2.13 int ppl_new_Octagonal_Shape_long_double_from_BD_Shape_int8_t (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.45.2.14 int ppl_new_Octagonal_Shape_long_double_from_BD_Shape_int16_t (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.45.2.15 int ppl_new_Octagonal_Shape_long_double_from_BD_Shape_int32_t (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.45.2.16 int ppl_new_Octagonal_Shape_long_double_from_BD_Shape_int64_t (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.45.2.17 int ppl_new_Octagonal_Shape_long_double_from_BD_Shape_mpz_class (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.45.2.18 int ppl_new_Octagonal_Shape_long_double_from_BD_Shape_mpq_class (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.45.2.19 int ppl_new_Octagonal_Shape_long_double_from_Octagonal_Shape_int8_t (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.45.2.20 int ppl_new_Octagonal_Shape_long_double_from_Octagonal_Shape_int16_t (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.45.2.21 int ppl_new_Octagonal_Shape_long_double_from_Octagonal_Shape_int32_t (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.45.2.22 int ppl_new_Octagonal_Shape_long_double_from_Octagonal_Shape_int64_t (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.45.2.23 int ppl_new_Octagonal_Shape_long_double_from_Octagonal_Shape_mpz_class (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.45.2.24 int ppl_new_Octagonal_Shape_long_double_from_Octagonal_Shape_mpq_class (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.45.2.25 int ppl_new_Octagonal_Shape_long_double_from_C_Polyhedron (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.45.2.26 int ppl_new_Octagonal_Shape_long_double_from_NNC_Polyhedron (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.45.2.27 int ppl_new_Octagonal_Shape_long_double_from_Grid (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.45.2.28 int ppl_new_Octagonal_Shape_long_double_from_Float_Box (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.45.2.29 int ppl_new_Octagonal_Shape_long_double_from_BD_Shape_float (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.45.2.30 int ppl_new_Octagonal_Shape_long_double_from_Octagonal_Shape_float (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.45.2.31 int ppl_new_Octagonal_Shape_long_double_from_Double_Box (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.45.2.32 int ppl_new_Octagonal_Shape_long_double_from_BD_Shape_double (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.45.2.33 int ppl_new_Octagonal_Shape_long_double_from_Octagonal_Shape_double (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.45.2.34 int ppl_new_Octagonal_Shape_long_double_from_Long_Double_Box (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.45.2.35 int ppl_new_Octagonal_Shape_long_double_from_BD_Shape_long_double (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.45.2.36 int ppl_new_Octagonal_Shape_long_double_from_Octagonal_Shape_long_double (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.45.2.37 int ppl_new_Octagonal_Shape_long_double_from_Int8_Box_with_complexity (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.45.2.38 int ppl_new_Octagonal_Shape_long_double_from_Int16_Box_with_complexity (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.45.2.39 int ppl_new_Octagonal_Shape_long_double_from_Int32_Box_with_complexity (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.45.2.40 int ppl_new_Octagonal_Shape_long_double_from_Int64_Box_with_complexity (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.45.2.41 int ppl_new_Octagonal_Shape_long_double_from_Uint8_Box_with_complexity (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.45.2.42 int ppl_new_Octagonal_Shape_long_double_from_Uint16_Box_with_complexity (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.45.2.43 int ppl_new_Octagonal_Shape_long_double_from_Uint32_Box_with_complexity (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.45.2.44 int ppl_new_Octagonal_Shape_long_double_from_Uint64_Box_with_complexity (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.45.2.45 int ppl_new_Octagonal_Shape_long_double_from_Z_Box_with_complexity (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.45.2.46 int ppl_new_Octagonal_Shape_long_double_from_Rational_Box_with_complexity (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.45.2.47 int ppl_new_Octagonal_Shape_long_double_from_BD_Shape_int8_t_with_complexity (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.45.2.48 int ppl_new_Octagonal_Shape_long_double_from_BD_Shape_int16_t_with_complexity (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.45.2.49 int ppl_new_Octagonal_Shape_long_double_from_BD_Shape_int32_t_with_complexity (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.45.2.50 int ppl_new_Octagonal_Shape_long_double_from_BD_Shape_int64_t_with_complexity (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.45.2.51 int ppl_new_Octagonal_Shape_long_double_from_BD_Shape_mpz_-class_with_complexity (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.45.2.52 int ppl_new_Octagonal_Shape_long_double_from_BD_Shape_mpq_-class_with_complexity (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.45.2.53 int ppl_new_Octagonal_Shape_long_double_from_Octagonal_Shape_-int8_t_with_complexity (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.45.2.54 int ppl_new_Octagonal_Shape_long_double_from_Octagonal_Shape_-int16_t_with_complexity (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.45.2.55 int ppl_new_Octagonal_Shape_long_double_from_Octagonal_Shape_-int32_t_with_complexity (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.45.2.56 int ppl_new_Octagonal_Shape_long_double_from_Octagonal_Shape_-int64_t_with_complexity (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.45.2.57 int ppl_new_Octagonal_Shape_long_double_from_Octagonal_Shape_-mpz_class_with_complexity (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.45.2.58 int ppl_new_Octagonal_Shape_long_double_from_Octagonal_Shape_-mpq_class_with_complexity (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.45.2.59 int ppl_new_Octagonal_Shape_long_double_from_C_Polyhedron_with_complexity (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.45.2.60 int ppl_new_Octagonal_Shape_long_double_from_NNC_Polyhedron_with_complexity (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.45.2.61 int ppl_new_Octagonal_Shape_long_double_from_Grid_with_complexity (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.45.2.62 int ppl_new_Octagonal_Shape_long_double_from_Float_Box_with_complexity (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.45.2.63 int ppl_new_Octagonal_Shape_long_double_from_BD_Shape_float_with_complexity (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.45.2.64 int ppl_new_Octagonal_Shape_long_double_from_Octagonal_Shape_float_with_complexity (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.45.2.65 int ppl_new_Octagonal_Shape_long_double_from_Double_Box_with_complexity (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.45.2.66 int ppl_new_Octagonal_Shape_long_double_from_BD_Shape_double_with_complexity (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.45.2.67 int ppl_new_Octagonal_Shape_long_double_from_Octagonal_Shape_-double_with_complexity (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.45.2.68 int ppl_new_Octagonal_Shape_long_double_from_Long_Double_Box_with_complexity (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.45.2.69 int ppl_new_Octagonal_Shape_long_double_from_BD_Shape_long_-double_with_complexity (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.45.2.70 int ppl_new_Octagonal_Shape_long_double_from_Octagonal_Shape_-long_double_with_complexity (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.45.2.71 int ppl_new_Octagonal_Shape_long_double_from_Constraint_System (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.45.2.72 int ppl_new_Octagonal_Shape_long_double_from_Congruence_System (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.45.2.73 int ppl_new_Octagonal_Shape_long_double_from_Generator_System (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_const_Generator_System_t *cs*) [related]

7.45.2.74 int ppl_Octagonal_Shape_long_double_space_dimension (ppl_const_-Octagonal_Shape_long_double_t *ph*, ppl_dimension_type * *m*) [related]

7.45.2.75 int ppl_Octagonal_Shape_long_double_affine_dimension (ppl_const_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type * *m*) [related]

7.45.2.76 int ppl_Octagonal_Shape_long_double_relation_with_Constraint (ppl_const_Octagonal_Shape_long_double_t *ph*, ppl_const_Constraint_t *c*) [related]

7.45.2.77 int ppl_Octagonal_Shape_long_double_relation_with_Generator (ppl_const_Octagonal_Shape_long_double_t *ph*, ppl_const_Generator_t *c*) [related]

7.45.2.78 int ppl_Octagonal_Shape_long_double_relation_with_Congruence (ppl_const_Octagonal_Shape_long_double_t *ph*, ppl_const_Congruence_t *c*) [related]

7.45.2.79 int ppl_Octagonal_Shape_long_double_get_constraints (ppl_const_Octagonal_Shape_long_double_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.45.2.80 int ppl_Octagonal_Shape_long_double_get_congruences (ppl_const_Octagonal_Shape_long_double_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.45.2.81 int ppl_Octagonal_Shape_long_double_get_minimized_constraints (ppl_const_Octagonal_Shape_long_double_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.45.2.82 int ppl_Octagonal_Shape_long_double_get_minimized_congruences (ppl_const_Octagonal_Shape_long_double_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.45.2.83 int ppl_Octagonal_Shape_long_double_is_empty (ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.45.2.84 int ppl_Octagonal_Shape_long_double_is_universe (ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.45.2.85 int ppl_Octagonal_Shape_long_double_is_bounded (ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.45.2.86 int ppl_Octagonal_Shape_long_double_contains_integer_point (ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.45.2.87 int ppl_Octagonal_Shape_long_double_is_topologically_closed (ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.45.2.88 int ppl_Octagonal_Shape_long_double_is_discrete (ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.45.2.89 int ppl_Octagonal_Shape_long_double_topological_closure_assign (ppl_Octagonal_Shape_long_double_t *ph*) [related]

7.45.2.90 int ppl_Octagonal_Shape_long_double_bounds_from_above (ppl_const_Octagonal_Shape_long_double_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.45.2.91 int ppl_Octagonal_Shape_long_double_bounds_from_below (ppl_const_Octagonal_Shape_long_double_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.45.2.92 int ppl_Octagonal_Shape_long_double_maximize (ppl_const_Octagonal_Shape_-long_double_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.45.2.93 int ppl_Octagonal_Shape_long_double_minimize (ppl_const_Octagonal_Shape_-long_double_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.45.2.94 int ppl_Octagonal_Shape_long_double_maximize_with_point (ppl_const_Octagonal_-Shape_long_double_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.45.2.95 int ppl_Octagonal_Shape_long_double_minimize_with_point (ppl_const_Octagonal_-Shape_long_double_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.45.2.96 int ppl_Octagonal_Shape_long_double_frequency (ppl_const_Octagonal_Shape_-long_double_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_fn*, ppl_Coefficient_t *ext_fd*, ppl_Coefficient_t *ext_vn*, ppl_Coefficient_t *ext_vd*) [related]

7.45.2.97 int ppl_Octagonal_Shape_long_double_contains_Octagonal_Shape_long_double (ppl_-const_Octagonal_Shape_long_double_t *x*, ppl_const_Octagonal_Shape_long_double_t *y*) [related]

7.45.2.98 int ppl_Octagonal_Shape_long_double_strictly_contains_Octagonal_-Shape_long_double (ppl_const_Octagonal_Shape_long_double_t *x*, ppl_const_Octagonal_Shape_long_double_t *y*) [related]

7.45.2.99 int ppl_Octagonal_Shape_long_double_is_disjoint_from_Octagonal_-Shape_long_double (ppl_const_Octagonal_Shape_long_double_t *x*, ppl_const_Octagonal_Shape_long_double_t *y*) [related]

7.45.2.100 int ppl_Octagonal_Shape_long_double_equals_Octagonal_Shape_long_double (ppl_const_Octagonal_Shape_long_double_t *x*, ppl_const_Octagonal_Shape_long_double_t *y*) [related]

7.45.2.101 int ppl_Octagonal_Shape_long_double_OK (ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.45.2.102 int ppl_Octagonal_Shape_long_double_add_constraint (ppl_Octagonal_Shape_long_double_t *ph*, ppl_const_Constraint_t *c*) [related]

7.45.2.103 int ppl_Octagonal_Shape_long_double_add_congruence (ppl_Octagonal_Shape_long_double_t *ph*, ppl_const_Congruence_t *c*) [related]

7.45.2.104 int ppl_Octagonal_Shape_long_double_add_constraints (ppl_Octagonal_Shape_long_double_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.45.2.105 int ppl_Octagonal_Shape_long_double_add_congruences (ppl_Octagonal_Shape_long_double_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.45.2.106 int ppl_Octagonal_Shape_long_double_refine_with_constraint (ppl_Octagonal_Shape_long_double_t *ph*, ppl_const_Constraint_t *c*) [related]

7.45.2.107 int ppl_Octagonal_Shape_long_double_refine_with_congruence (ppl_Octagonal_Shape_long_double_t *ph*, ppl_const_Congruence_t *c*) [related]

7.45.2.108 int ppl_Octagonal_Shape_long_double_refine_with_constraints (ppl_Octagonal_Shape_long_double_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.45.2.109 int ppl_Octagonal_Shape_long_double_refine_with_congruences (ppl_Octagonal_Shape_long_double_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.45.2.110 int ppl_Octagonal_Shape_long_double_intersection_assign (ppl_Octagonal_Shape_long_double_t *x*, ppl_const_Octagonal_Shape_long_double_t *y*) [related]

7.45.2.111 int ppl_Octagonal_Shape_long_double_upper_bound_assign (ppl_Octagonal_Shape_long_double_t *x*, ppl_const_Octagonal_Shape_long_double_t *y*) [related]

7.45.2.112 int ppl_Octagonal_Shape_long_double_difference_assign (ppl_Octagonal_Shape_long_double_t *x*, ppl_const_Octagonal_Shape_long_double_t *y*) [related]

7.45.2.113 int ppl_Octagonal_Shape_long_double_concatenate_assign (ppl_Octagonal_Shape_long_double_t *x*, ppl_const_Octagonal_Shape_long_double_t *y*) [related]

7.45.2.114 int ppl_Octagonal_Shape_long_double_time_elapse_assign (ppl_Octagonal_Shape_long_double_t *x*, ppl_const_Octagonal_Shape_long_double_t *y*) [related]

7.45.2.115 int ppl_Octagonal_Shape_long_double_upper_bound_assign_if_exact (ppl_Octagonal_Shape_long_double_t *x*, ppl_const_Octagonal_Shape_long_double_t *y*) [related]

7.45.2.116 int ppl_Octagonal_Shape_long_double_simplify_using_context_assign (ppl_Octagonal_Shape_long_double_t *x*, ppl_const_Octagonal_Shape_long_double_t *y*) [related]

7.45.2.117 int ppl_Octagonal_Shape_long_double_constrains (ppl_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type *var*) [related]

7.45.2.118 int ppl_Octagonal_Shape_long_double_unconstrain_space_dimension (ppl_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type *var*) [related]

7.45.2.119 int ppl_Octagonal_Shape_long_double_unconstrain_space_dimensions (ppl_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.45.2.120 int ppl_Octagonal_Shape_long_double_affine_image (ppl_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.45.2.121 int ppl_Octagonal_Shape_long_double_affine_preimage (ppl_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.45.2.122 int ppl_Octagonal_Shape_long_double_bounded_affine_image (ppl_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.45.2.123 int ppl_Octagonal_Shape_long_double_bounded_affine_preimage (ppl_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.45.2.124 int ppl_Octagonal_Shape_long_double_generalized_affine_image (ppl_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.45.2.125 int ppl_Octagonal_Shape_long_double_generalized_affine_preimage (ppl_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.45.2.126 int ppl_Octagonal_Shape_long_double_generalized_affine_image_lhs_rhs (ppl_Octagonal_Shape_long_double_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.45.2.127 int ppl_Octagonal_Shape_long_double_generalized_affine_preimage_lhs_rhs (ppl_Octagonal_Shape_long_double_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.45.2.128 int ppl_Octagonal_Shape_long_double_add_space_dimensions_and_embed (ppl_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type *d*) [related]

7.45.2.129 int ppl_Octagonal_Shape_long_double_add_space_dimensions_and_project (ppl_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type *d*) [related]

7.45.2.130 int ppl_Octagonal_Shape_long_double_remove_space_dimensions (ppl_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.45.2.131 int ppl_Octagonal_Shape_long_double_remove_higher_space_dimensions (ppl_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type *d*) [related]

7.45.2.132 int ppl_Octagonal_Shape_long_double_expand_space_dimension (ppl_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.45.2.133 int ppl_Octagonal_Shape_long_double_fold_space_dimensions (ppl_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.45.2.134 int ppl_Octagonal_Shape_long_double_map_space_dimensions (ppl_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.45.2.135 int ppl_Octagonal_Shape_long_double_drop_some_non_integer_points (ppl_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.45.2.136 int ppl_Octagonal_Shape_long_double_drop_some_non_integer_points_2 (ppl_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.45.2.137 int ppl_Octagonal_Shape_long_double_external_memory_in_bytes (ppl_const_Octagonal_Shape_long_double_t *ps*, size_t * *sz*) [related]

7.45.2.138 int ppl_Octagonal_Shape_long_double_total_memory_in_bytes (ppl_const_Octagonal_Shape_long_double_t *ps*, size_t * *sz*) [related]

7.45.2.139 int ppl_Octagonal_Shape_long_double_BHMZ05_widening_assign_with_tokens (ppl_Octagonal_Shape_long_double_t *x*, ppl_const_Octagonal_Shape_long_double_t *y*, unsigned * *tp*) [related]

7.45.2.140 int ppl_Octagonal_Shape_long_double_BHMZ05_widening_assign (ppl_Octagonal_Shape_long_double_t *x*, ppl_const_Octagonal_Shape_long_double_t *y*) [related]

7.45.2.141 int ppl_Octagonal_Shape_long_double_widening_assign_with_tokens (ppl_Octagonal_Shape_long_double_t *x*, ppl_const_Octagonal_Shape_long_double_t *y*, unsigned * *tp*) [related]

7.45.2.142 int ppl_Octagonal_Shape_long_double_widening_assign (ppl_Octagonal_Shape_long_double_t *x*, ppl_const_Octagonal_Shape_long_double_t *y*) [related]

7.45.2.143 int ppl_Octagonal_Shape_long_double_limited_BHMZ05_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_long_double_t *x*, ppl_const_Octagonal_Shape_long_double_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.45.2.144 int ppl_Octagonal_Shape_long_double_limited_CC76_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_long_double_t *x*, ppl_const_Octagonal_Shape_long_double_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.45.2.145 int ppl_Octagonal_Shape_long_double_limited_BHMZ05_extrapolation_assign (ppl_Octagonal_Shape_long_double_t *x*, ppl_const_Octagonal_Shape_long_double_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.45.2.146 int ppl_Octagonal_Shape_long_double_limited_CC76_extrapolation_assign (ppl_Octagonal_Shape_long_double_t *x*, ppl_const_Octagonal_Shape_long_double_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.45.2.147 int ppl_Octagonal_Shape_long_double_CC76_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_long_double_t *x*, ppl_const_Octagonal_Shape_long_double_t *y*, unsigned * *tp*) [related]

7.45.2.148 int ppl_Octagonal_Shape_long_double_CC76_extrapolation_assign (ppl_Octagonal_Shape_long_double_t *x*, ppl_const_Octagonal_Shape_long_double_t *y*) [related]

7.45.2.149 int ppl_Octagonal_Shape_long_double_CC76_narrowing_assign (ppl_Octagonal_Shape_long_double_t *x*, ppl_const_Octagonal_Shape_long_double_t *y*) [related]

7.45.2.150 int ppl_Octagonal_Shape_long_double_linear_partition (ppl_const_Octagonal_Shape_long_double_t *x*, ppl_const_Octagonal_Shape_long_double_t *y*, ppl_Octagonal_Shape_long_double_t * *p_inters*, ppl_Pointset_Powerset_NNC_Polyhedron_t * *p_rest*) [related]

7.45.2.151 int ppl_Octagonal_Shape_long_double_wrap_assign (ppl_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, enum ppl_enum_Bounded_Integer_Type_Width *w*, enum ppl_enum_Bounded_Integer_Type_Representation *r*, enum ppl_enum_Bounded_Integer_Type_Overflow *o*, const ppl_const_Constraint_System_t * *pcs*, unsigned *complexity_threshold*, int *wrap_individually*) [related]

7.45.2.152 int ppl_new_Octagonal_Shape_long_double_recycle_Constraint_System (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_Constraint_System_t *cs*) [related]

7.45.2.153 int ppl_new_Octagonal_Shape_long_double_recycle_Congruence_System (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_Congruence_System_t *cs*) [related]

7.45.2.154 int ppl_new_Octagonal_Shape_long_double_recycle_Generator_System (ppl_Octagonal_Shape_long_double_t * *pph*, ppl_Generator_System_t *cs*) [related]

7.45.2.155 int ppl_assign_Octagonal_Shape_long_double_from_Octagonal_Shape_long_double (ppl_Octagonal_Shape_long_double_t *dst*, ppl_const_Octagonal_Shape_long_double_t *src*) [related]

7.45.2.156 int ppl_Octagonal_Shape_long_double_add_recycled_constraints (ppl_Octagonal_Shape_long_double_t *ph*, ppl_Constraint_System_t *cs*) [related]

7.45.2.157 int ppl_Octagonal_Shape_long_double_add_recycled_congruences (ppl_Octagonal_Shape_long_double_t *ph*, ppl_Congruence_System_t *cs*) [related]

7.45.2.158 int ppl_termination_test_MS_Octagonal_Shape_long_double (ppl_const_Octagonal_Shape_long_double_t *pset*) [related]

7.45.2.159 int ppl_termination_test_PR_Octagonal_Shape_long_double (ppl_const_Octagonal_Shape_long_double_t *pset*) [related]

7.45.2.160 int ppl_one_affine_ranking_function_MS_Octagonal_Shape_long_double (ppl_const_Octagonal_Shape_long_double_t *pset*, ppl_Generator_t *point*) [related]

7.45.2.161 int ppl_one_affine_ranking_function_PR_Octagonal_Shape_long_double (ppl_const_Octagonal_Shape_long_double_t *pset*, ppl_Generator_t *point*) [related]

7.45.2.162 int ppl_all_affine_ranking_functions_MS_Octagonal_Shape_long_double (ppl_const_Octagonal_Shape_long_double_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.45.2.163 int ppl_all_affine_ranking_functions_PR_Octagonal_Shape_long_double (ppl_const_Octagonal_Shape_long_double_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.45.2.164 int ppl_termination_test_MS_Octagonal_Shape_long_double_2 (ppl_const_Octagonal_Shape_long_double_t *pset_before*, ppl_const_Octagonal_Shape_long_double_t *pset_after*) [related]

7.45.2.165 int ppl_termination_test_PR_Octagonal_Shape_long_double_2 (ppl_const_Octagonal_Shape_long_double_t *pset_before*, ppl_const_Octagonal_Shape_long_double_t *pset_after*) [related]

7.45.2.166 int ppl_one_affine_ranking_function_MS_Octagonal_Shape_long_double_2 (ppl_const_Octagonal_Shape_long_double_t *pset_before*, ppl_const_Octagonal_Shape_long_double_t *pset_after*, ppl_Generator_t *point*) [related]

7.45.2.167 int ppl_one_affine_ranking_function_PR_Octagonal_Shape_long_double_2 (ppl_const_Octagonal_Shape_long_double_t *pset_before*, ppl_const_Octagonal_Shape_long_double_t *pset_after*, ppl_Generator_t *point*) [related]

7.45.2.168 int ppl_all_affine_ranking_functions_MS_Octagonal_Shape_long_double_2 (ppl_const_Octagonal_Shape_long_double_t *pset_before*, ppl_const_Octagonal_Shape_long_double_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.45.2.169 int ppl_all_affine_ranking_functions_PR_Octagonal_Shape_long_double_2 (ppl_const_Octagonal_Shape_long_double_t *pset_before*, ppl_const_Octagonal_Shape_long_double_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.45.2.170 int ppl_io_print_Octagonal_Shape_long_double (ppl_const_Octagonal_Shape_long_double_t *x*) [related]

7.45.2.171 int ppl_io_fprint_Octagonal_Shape_long_double (FILE * *stream*, ppl_const_Octagonal_Shape_long_double_t *x*) [related]

7.45.2.172 int ppl_io_asprint_Octagonal_Shape_long_double (char ** *strp*, ppl_const_Octagonal_Shape_long_double_t *x*) [related]

7.45.2.173 int ppl_Octagonal_Shape_long_double_ascii_dump (ppl_const_Octagonal_Shape_long_double_t *x*, FILE * *stream*) [related]

7.45.2.174 int ppl_Octagonal_Shape_long_double_ascii_load (ppl_Octagonal_Shape_long_double_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.46 ppl_Octagonal_Shape_mpq_class_tag Interface Reference

Types and functions for ppl_Octagonal_Shape_mpq_class_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Octagonal_Shape_mpq_class (ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_Octagonal_Shape_mpq_class_from_space_dimension (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Octagonal_Shape_mpq_class_from_Int8_Box (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Int8_Box_t ph)
- int ppl_new_Octagonal_Shape_mpq_class_from_Int16_Box (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_Octagonal_Shape_mpq_class_from_Int32_Box (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_Octagonal_Shape_mpq_class_from_Int64_Box (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_Octagonal_Shape_mpq_class_from_Uint8_Box (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_Octagonal_Shape_mpq_class_from_Uint16_Box (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Uint16_Box_t ph)
- int ppl_new_Octagonal_Shape_mpq_class_from_Uint32_Box (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_Octagonal_Shape_mpq_class_from_Uint64_Box (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_Octagonal_Shape_mpq_class_from_Z_Box (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Z_Box_t ph)

- int ppl_new_Octagonal_Shape_mpq_class_from_Rational_Box (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_int8_t (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_int16_t (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_int32_t (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_int64_t (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_mpz_class (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_mpq_class (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_int8_t (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_int16_t (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_int32_t (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_int64_t (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_mpz_class (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_mpq_class (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_Octagonal_Shape_mpq_class_from_C_Polyhedron (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Octagonal_Shape_mpq_class_from_NNC_Polyhedron (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Octagonal_Shape_mpq_class_from_Grid (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Grid_t ph)
- int ppl_new_Octagonal_Shape_mpq_class_from_Float_Box (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_float (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_BD_Shape_float_t ph)
- int ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_float (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_Octagonal_Shape_mpq_class_from_Double_Box (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Double_Box_t ph)
- int ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_double (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_BD_Shape_double_t ph)
- int ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_double (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_Octagonal_Shape_mpq_class_from_Long_Double_Box (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Long_Double_Box_t ph)
- int ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_long_double (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_long_double (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_Octagonal_Shape_mpq_class_from_Int8_Box_with_complexity (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Int8_Box_t ph, int complexity)

- int ppl_new_Octagonal_Shape_mpq_class_from_Int16_Box_with_complexity (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpq_class_from_Int32_Box_with_complexity (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpq_class_from_Int64_Box_with_complexity (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpq_class_from_Uint8_Box_with_complexity (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpq_class_from_Uint16_Box_with_complexity (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpq_class_from_Uint32_Box_with_complexity (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Uint32_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpq_class_from_Uint64_Box_with_complexity (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpq_class_from_Z_Box_with_complexity (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpq_class_from_Rational_Box_with_complexity (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_int8_t_with_complexity (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_int16_t_with_complexity (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_int32_t_with_complexity (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_int64_t_with_complexity (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_mpz_class_with_complexity (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_mpq_class_with_complexity (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_int8_t_with_complexity (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_int16_t_with_complexity (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_int32_t_with_complexity (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_int64_t_with_complexity (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpq_class_from_C_Polyhedron_with_complexity (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpq_class_from_NNC_Polyhedron_with_complexity (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Polyhedron_t ph, int complexity)

- int ppl_new_Octagonal_Shape_mpq_class_from_Grid_with_complexity (ppl_Octagonal_Shape_-mpq_class_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpq_class_from_Float_Box_with_complexity (ppl_Octagonal_-Shape_mpq_class_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_float_with_complexity (ppl_-Octagonal_Shape_mpq_class_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_float_with_complexity (ppl_-Octagonal_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpq_class_from_Double_Box_with_complexity (ppl_Octagonal_-Shape_mpq_class_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_double_with_complexity (ppl_-Octagonal_Shape_mpq_class_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_double_with_complexity (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpq_class_from_Long_Double_Box_with_complexity (ppl_-Octagonal_Shape_mpq_class_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_long_double_with_complexity (ppl_-Octagonal_Shape_mpq_class_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_long_double_with_complexity (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpq_class_from_Constraint_System (ppl_Octagonal_Shape_-mpq_class_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Octagonal_Shape_mpq_class_from_Congruence_System (ppl_Octagonal_Shape_-mpq_class_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_new_Octagonal_Shape_mpq_class_from_Generator_System (ppl_Octagonal_Shape_mpq_-class_t *pph, ppl_const_Generator_System_t cs)
- int ppl_Octagonal_Shape_mpq_class_space_dimension (ppl_const_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type *m)
- int ppl_Octagonal_Shape_mpq_class_affine_dimension (ppl_const_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type *m)
- int ppl_Octagonal_Shape_mpq_class_relation_with_Constraint (ppl_const_Octagonal_Shape_-mpq_class_t ph, ppl_const_Constraint_t c)
- int ppl_Octagonal_Shape_mpq_class_relation_with_Generator (ppl_const_Octagonal_Shape_-mpq_class_t ph, ppl_const_Generator_t c)
- int ppl_Octagonal_Shape_mpq_class_relation_with_Congruence (ppl_const_Octagonal_Shape_-mpq_class_t ph, ppl_const_Congruence_t c)
- int ppl_Octagonal_Shape_mpq_class_get_constraints (ppl_const_Octagonal_Shape_mpq_class_-t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Octagonal_Shape_mpq_class_get_congruences (ppl_const_Octagonal_Shape_mpq_class_-t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Octagonal_Shape_mpq_class_get_minimized_constraints (ppl_const_Octagonal_Shape_-mpq_class_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Octagonal_Shape_mpq_class_get_minimized_congruences (ppl_const_Octagonal_Shape_-mpq_class_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Octagonal_Shape_mpq_class_is_empty (ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_Octagonal_Shape_mpq_class_is_universe (ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_Octagonal_Shape_mpq_class_is_bounded (ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_Octagonal_Shape_mpq_class_contains_integer_point (ppl_const_Octagonal_Shape_mpq_-class_t ph)

- int ppl_Octagonal_Shape_mpq_class_is_topologically_closed (ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_Octagonal_Shape_mpq_class_is_discrete (ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_Octagonal_Shape_mpq_class_topological_closure_assign (ppl_Octagonal_Shape_mpq_class_t ph)
- int ppl_Octagonal_Shape_mpq_class_bounds_from_above (ppl_const_Octagonal_Shape_mpq_class_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Octagonal_Shape_mpq_class_bounds_from_below (ppl_const_Octagonal_Shape_mpq_class_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Octagonal_Shape_mpq_class_maximize (ppl_const_Octagonal_Shape_mpq_class_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Octagonal_Shape_mpq_class_minimize (ppl_const_Octagonal_Shape_mpq_class_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Octagonal_Shape_mpq_class_maximize_with_point (ppl_const_Octagonal_Shape_mpq_class_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Octagonal_Shape_mpq_class_minimize_with_point (ppl_const_Octagonal_Shape_mpq_class_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Octagonal_Shape_mpq_class_frequency (ppl_const_Octagonal_Shape_mpq_class_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_fn, ppl_Coefficient_t ext_fd, ppl_Coefficient_t ext_vn, ppl_Coefficient_t ext_vd)
- int ppl_Octagonal_Shape_mpq_class_contains_Octagonal_Shape_mpq_class (ppl_const_Octagonal_Shape_mpq_class_t x, ppl_const_Octagonal_Shape_mpq_class_t y)
- int ppl_Octagonal_Shape_mpq_class_strictly_contains_Octagonal_Shape_mpq_class (ppl_const_Octagonal_Shape_mpq_class_t x, ppl_const_Octagonal_Shape_mpq_class_t y)
- int ppl_Octagonal_Shape_mpq_class_is_disjoint_from_Octagonal_Shape_mpq_class (ppl_const_Octagonal_Shape_mpq_class_t x, ppl_const_Octagonal_Shape_mpq_class_t y)
- int ppl_Octagonal_Shape_mpq_class_equals_Octagonal_Shape_mpq_class (ppl_const_Octagonal_Shape_mpq_class_t x, ppl_const_Octagonal_Shape_mpq_class_t y)
- int ppl_Octagonal_Shape_mpq_class_OK (ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_Octagonal_Shape_mpq_class_add_constraint (ppl_Octagonal_Shape_mpq_class_t ph, ppl_const_Constraint_t c)
- int ppl_Octagonal_Shape_mpq_class_add_congruence (ppl_Octagonal_Shape_mpq_class_t ph, ppl_const_Congruence_t c)
- int ppl_Octagonal_Shape_mpq_class_add_constraints (ppl_Octagonal_Shape_mpq_class_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Octagonal_Shape_mpq_class_add_congruences (ppl_Octagonal_Shape_mpq_class_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Octagonal_Shape_mpq_class_refine_with_constraint (ppl_Octagonal_Shape_mpq_class_t ph, ppl_const_Constraint_t c)
- int ppl_Octagonal_Shape_mpq_class_refine_with_congruence (ppl_Octagonal_Shape_mpq_class_t ph, ppl_const_Congruence_t c)
- int ppl_Octagonal_Shape_mpq_class_refine_with_constraints (ppl_Octagonal_Shape_mpq_class_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Octagonal_Shape_mpq_class_refine_with_congruences (ppl_Octagonal_Shape_mpq_class_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Octagonal_Shape_mpq_class_intersection_assign (ppl_Octagonal_Shape_mpq_class_t x, ppl_const_Octagonal_Shape_mpq_class_t y)
- int ppl_Octagonal_Shape_mpq_class_upper_bound_assign (ppl_Octagonal_Shape_mpq_class_t x, ppl_const_Octagonal_Shape_mpq_class_t y)

- int ppl_Octagonal_Shape_mpq_class_difference_assign (ppl_Octagonal_Shape_mpq_class_t x, ppl_const_Octagonal_Shape_mpq_class_t y)
- int ppl_Octagonal_Shape_mpq_class_concatenate_assign (ppl_Octagonal_Shape_mpq_class_t x, ppl_const_Octagonal_Shape_mpq_class_t y)
- int ppl_Octagonal_Shape_mpq_class_time_elapse_assign (ppl_Octagonal_Shape_mpq_class_t x, ppl_const_Octagonal_Shape_mpq_class_t y)
- int ppl_Octagonal_Shape_mpq_class_upper_bound_assign_if_exact (ppl_Octagonal_Shape_mpq_class_t x, ppl_const_Octagonal_Shape_mpq_class_t y)
- int ppl_Octagonal_Shape_mpq_class_simplify_using_context_assign (ppl_Octagonal_Shape_mpq_class_t x, ppl_const_Octagonal_Shape_mpq_class_t y)
- int ppl_Octagonal_Shape_mpq_class_constrains (ppl_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type var)
- int ppl_Octagonal_Shape_mpq_class_unconstrain_space_dimension (ppl_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type var)
- int ppl_Octagonal_Shape_mpq_class_unconstrain_space_dimensions (ppl_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Octagonal_Shape_mpq_class_affine_image (ppl_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_mpq_class_affine_preimage (ppl_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_mpq_class_bounded_affine_image (ppl_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_mpq_class_bounded_affine_preimage (ppl_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_mpq_class_generalized_affine_image (ppl_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_mpq_class_generalized_affine_preimage (ppl_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_mpq_class_generalized_affine_image_lhs_rhs (ppl_Octagonal_Shape_mpq_class_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Octagonal_Shape_mpq_class_generalized_affine_preimage_lhs_rhs (ppl_Octagonal_Shape_mpq_class_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Octagonal_Shape_mpq_class_add_space_dimensions_and_embed (ppl_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type d)
- int ppl_Octagonal_Shape_mpq_class_add_space_dimensions_and_project (ppl_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type d)
- int ppl_Octagonal_Shape_mpq_class_remove_space_dimensions (ppl_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Octagonal_Shape_mpq_class_remove_higher_space_dimensions (ppl_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type d)
- int ppl_Octagonal_Shape_mpq_class_expand_space_dimension (ppl_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Octagonal_Shape_mpq_class_fold_space_dimensions (ppl_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Octagonal_Shape_mpq_class_map_space_dimensions (ppl_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type maps[ ], size_t n)

- int ppl_Octagonal_Shape_mpq_class_drop_some_non_integer_points (ppl_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_Octagonal_Shape_mpq_class_drop_some_non_integer_points_2 (ppl_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Octagonal_Shape_mpq_class_external_memory_in_bytes (ppl_const_Octagonal_Shape_mpq_class_t ps, size_t *sz)
- int ppl_Octagonal_Shape_mpq_class_total_memory_in_bytes (ppl_const_Octagonal_Shape_mpq_class_t ps, size_t *sz)
- int ppl_Octagonal_Shape_mpq_class_BHMZ05_widening_assign_with_tokens (ppl_Octagonal_Shape_mpq_class_t x, ppl_const_Octagonal_Shape_mpq_class_t y, unsigned *tp)
- int ppl_Octagonal_Shape_mpq_class_BHMZ05_widening_assign (ppl_Octagonal_Shape_mpq_class_t x, ppl_const_Octagonal_Shape_mpq_class_t y)
- int ppl_Octagonal_Shape_mpq_class_widening_assign_with_tokens (ppl_Octagonal_Shape_mpq_class_t x, ppl_const_Octagonal_Shape_mpq_class_t y, unsigned *tp)
- int ppl_Octagonal_Shape_mpq_class_widening_assign (ppl_Octagonal_Shape_mpq_class_t x, ppl_const_Octagonal_Shape_mpq_class_t y)
- int ppl_Octagonal_Shape_mpq_class_limited_BHMZ05_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_mpq_class_t x, ppl_const_Octagonal_Shape_mpq_class_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_Octagonal_Shape_mpq_class_limited_CC76_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_mpq_class_t x, ppl_const_Octagonal_Shape_mpq_class_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_Octagonal_Shape_mpq_class_limited_BHMZ05_extrapolation_assign (ppl_Octagonal_Shape_mpq_class_t x, ppl_const_Octagonal_Shape_mpq_class_t y, ppl_const_Constraint_System_t cs)
- int ppl_Octagonal_Shape_mpq_class_limited_CC76_extrapolation_assign (ppl_Octagonal_Shape_mpq_class_t x, ppl_const_Octagonal_Shape_mpq_class_t y, ppl_const_Constraint_System_t cs)
- int ppl_Octagonal_Shape_mpq_class_CC76_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_mpq_class_t x, ppl_const_Octagonal_Shape_mpq_class_t y, unsigned *tp)
- int ppl_Octagonal_Shape_mpq_class_CC76_extrapolation_assign (ppl_Octagonal_Shape_mpq_class_t x, ppl_const_Octagonal_Shape_mpq_class_t y)
- int ppl_Octagonal_Shape_mpq_class_CC76_narrowing_assign (ppl_Octagonal_Shape_mpq_class_t x, ppl_const_Octagonal_Shape_mpq_class_t y)
- int ppl_Octagonal_Shape_mpq_class_linear_partition (ppl_const_Octagonal_Shape_mpq_class_t x, ppl_const_Octagonal_Shape_mpq_class_t y, ppl_Octagonal_Shape_mpq_class_t *p_inters, ppl_Pointset_Powerset_NNC_Polyhedron_t *p_rest)
- int ppl_Octagonal_Shape_mpq_class_wrap_assign (ppl_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type ds[ ], size_t n, enum ppl_enum_Bounded_Integer_Type_Width w, enum ppl_enum_Bounded_Integer_Type_Representation r, enum ppl_enum_Bounded_Integer_Type_Overflow o, const ppl_const_Constraint_System_t *pcs, unsigned complexity_threshold, int wrap_individually)
- int ppl_new_Octagonal_Shape_mpq_class_recycle_Constraint_System (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_Constraint_System_t cs)
- int ppl_new_Octagonal_Shape_mpq_class_recycle_Congruence_System (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_Congruence_System_t cs)
- int ppl_new_Octagonal_Shape_mpq_class_recycle_Generator_System (ppl_Octagonal_Shape_mpq_class_t *pph, ppl_Generator_System_t cs)
- int ppl_assign_Octagonal_Shape_mpq_class_from_Octagonal_Shape_mpq_class (ppl_Octagonal_Shape_mpq_class_t dst, ppl_const_Octagonal_Shape_mpq_class_t src)
- int ppl_Octagonal_Shape_mpq_class_add_recycled_constraints (ppl_Octagonal_Shape_mpq_class_t ph, ppl_Constraint_System_t cs)

- int ppl_Octagonal_Shape_mpq_class_add_recycled_congruences (ppl_Octagonal_Shape_mpq_class_t ph, ppl_Congruence_System_t cs)
- int ppl_termination_test_MS_Octagonal_Shape_mpq_class (ppl_const_Octagonal_Shape_mpq_class_t pset)
- int ppl_termination_test_PR_Octagonal_Shape_mpq_class (ppl_const_Octagonal_Shape_mpq_class_t pset)
- int ppl_one_affine_ranking_function_MS_Octagonal_Shape_mpq_class (ppl_const_Octagonal_Shape_mpq_class_t pset, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Octagonal_Shape_mpq_class (ppl_const_Octagonal_Shape_mpq_class_t pset, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Octagonal_Shape_mpq_class (ppl_const_Octagonal_Shape_mpq_class_t pset, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Octagonal_Shape_mpq_class (ppl_const_Octagonal_Shape_mpq_class_t pset, ppl_Polyhedron_t ph)
- int ppl_termination_test_MS_Octagonal_Shape_mpq_class_2 (ppl_const_Octagonal_Shape_mpq_class_t pset_before, ppl_const_Octagonal_Shape_mpq_class_t pset_after)
- int ppl_termination_test_PR_Octagonal_Shape_mpq_class_2 (ppl_const_Octagonal_Shape_mpq_class_t pset_before, ppl_const_Octagonal_Shape_mpq_class_t pset_after)
- int ppl_one_affine_ranking_function_MS_Octagonal_Shape_mpq_class_2 (ppl_const_Octagonal_Shape_mpq_class_t pset_before, ppl_const_Octagonal_Shape_mpq_class_t pset_after, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Octagonal_Shape_mpq_class_2 (ppl_const_Octagonal_Shape_mpq_class_t pset_before, ppl_const_Octagonal_Shape_mpq_class_t pset_after, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Octagonal_Shape_mpq_class_2 (ppl_const_Octagonal_Shape_mpq_class_t pset_before, ppl_const_Octagonal_Shape_mpq_class_t pset_after, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Octagonal_Shape_mpq_class_2 (ppl_const_Octagonal_Shape_mpq_class_t pset_before, ppl_const_Octagonal_Shape_mpq_class_t pset_after, ppl_Polyhedron_t ph)
- int ppl_io_print_Octagonal_Shape_mpq_class (ppl_const_Octagonal_Shape_mpq_class_t x)
- int ppl_io_fprint_Octagonal_Shape_mpq_class (FILE *stream, ppl_const_Octagonal_Shape_mpq_class_t x)
- int ppl_io_asprint_Octagonal_Shape_mpq_class (char **strp, ppl_const_Octagonal_Shape_mpq_class_t x)
- int ppl_Octagonal_Shape_mpq_class_ascii_dump (ppl_const_Octagonal_Shape_mpq_class_t x, FILE *stream)
- int ppl_Octagonal_Shape_mpq_class_ascii_load (ppl_Octagonal_Shape_mpq_class_t x, FILE *stream)

7.46.1 Detailed Description

Types and functions for ppl_Octagonal_Shape_mpq_class_tag.

7.46.2 Friends And Related Function Documentation

7.46.2.1 int ppl_delete_Octagonal_Shape_mpq_class (ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.46.2.2 int ppl_new_Octagonal_Shape_mpq_class_from_space_dimension (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.46.2.3 int ppl_new_Octagonal_Shape_mpq_class_from_Int8_Box (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.46.2.4 int ppl_new_Octagonal_Shape_mpq_class_from_Int16_Box (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.46.2.5 int ppl_new_Octagonal_Shape_mpq_class_from_Int32_Box (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.46.2.6 int ppl_new_Octagonal_Shape_mpq_class_from_Int64_Box (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.46.2.7 int ppl_new_Octagonal_Shape_mpq_class_from_Uint8_Box (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.46.2.8 int ppl_new_Octagonal_Shape_mpq_class_from_Uint16_Box (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.46.2.9 int ppl_new_Octagonal_Shape_mpq_class_from_Uint32_Box (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.46.2.10 int ppl_new_Octagonal_Shape_mpq_class_from_Uint64_Box (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.46.2.11 int ppl_new_Octagonal_Shape_mpq_class_from_Z_Box (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.46.2.12 int ppl_new_Octagonal_Shape_mpq_class_from_Rational_Box (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.46.2.13 int ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_int8_t (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.46.2.14 int ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_int16_t (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.46.2.15 int ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_int32_t (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.46.2.16 int ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_int64_t (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.46.2.17 int ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_mpz_class (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.46.2.18 int ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_mpq_class (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.46.2.19 int ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_int8_t (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.46.2.20 int ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_int16_t (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.46.2.21 int ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_int32_t (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.46.2.22 int ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_int64_t (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.46.2.23 int ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_mpz_class (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.46.2.24 int ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_mpq_class (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.46.2.25 int ppl_new_Octagonal_Shape_mpq_class_from_C_Polyhedron (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.46.2.26 int ppl_new_Octagonal_Shape_mpq_class_from_NNC_Polyhedron (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.46.2.27 int ppl_new_Octagonal_Shape_mpq_class_from_Grid (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.46.2.28 int ppl_new_Octagonal_Shape_mpq_class_from_Float_Box (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.46.2.29 int ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_float (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.46.2.30 int ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_float (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.46.2.31 int ppl_new_Octagonal_Shape_mpq_class_from_Double_Box (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.46.2.32 int ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_double (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.46.2.33 int ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_double (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.46.2.34 int ppl_new_Octagonal_Shape_mpq_class_from_Long_Double_Box (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.46.2.35 int ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_long_double (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.46.2.36 int ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_long_double (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.46.2.37 int ppl_new_Octagonal_Shape_mpq_class_from_Int8_Box_with_complexity (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.46.2.38 int ppl_new_Octagonal_Shape_mpq_class_from_Int16_Box_with_complexity (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.46.2.39 int ppl_new_Octagonal_Shape_mpq_class_from_Int32_Box_with_complexity (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.46.2.40 int ppl_new_Octagonal_Shape_mpq_class_from_Int64_Box_with_complexity (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.46.2.41 int ppl_new_Octagonal_Shape_mpq_class_from_Uint8_Box_with_complexity (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.46.2.42 int ppl_new_Octagonal_Shape_mpq_class_from_Uint16_Box_with_complexity (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.46.2.43 int ppl_new_Octagonal_Shape_mpq_class_from_Uint32_Box_with_complexity (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.46.2.44 int ppl_new_Octagonal_Shape_mpq_class_from_Uint64_Box_with_complexity (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.46.2.45 int ppl_new_Octagonal_Shape_mpq_class_from_Z_Box_with_complexity (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.46.2.46 int ppl_new_Octagonal_Shape_mpq_class_from_Rational_Box_with_complexity (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.46.2.47 int ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_int8_t_with_complexity (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.46.2.48 int ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_int16_t_with_complexity (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.46.2.49 int ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_int32_t_with_complexity (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.46.2.50 int ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_int64_t_with_complexity (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.46.2.51 int ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_mpz_class_with_complexity (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.46.2.52 int ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_mpq_class_with_complexity (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.46.2.53 int ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_int8_t_with_complexity (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.46.2.54 int ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_int16_t_with_complexity (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.46.2.55 int ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_int32_t_with_complexity (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.46.2.56 int ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_int64_t_with_complexity (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.46.2.57 int ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.46.2.58 int ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_-mpq_class_with_complexity (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.46.2.59 int ppl_new_Octagonal_Shape_mpq_class_from_C_Polyhedron_with_complexity (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.46.2.60 int ppl_new_Octagonal_Shape_mpq_class_from_NNC_Polyhedron_with_complexity (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.46.2.61 int ppl_new_Octagonal_Shape_mpq_class_from_Grid_with_complexity (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.46.2.62 int ppl_new_Octagonal_Shape_mpq_class_from_Float_Box_with_complexity (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.46.2.63 int ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_float_with_complexity (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.46.2.64 int ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_-float_with_complexity (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.46.2.65 int ppl_new_Octagonal_Shape_mpq_class_from_Double_Box_with_complexity (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.46.2.66 int ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_double_with_complexity (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.46.2.67 int ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_double_with_complexity (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.46.2.68 int ppl_new_Octagonal_Shape_mpq_class_from_Long_Double_Box_with_complexity (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.46.2.69 int ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_long_double_with_complexity (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.46.2.70 int ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_long_double_with_complexity (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.46.2.71 int ppl_new_Octagonal_Shape_mpq_class_from_Constraint_System (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.46.2.72 int ppl_new_Octagonal_Shape_mpq_class_from_Congruence_System (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.46.2.73 int ppl_new_Octagonal_Shape_mpq_class_from_Generator_System (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Generator_System_t *cs*) [related]

7.46.2.74 int ppl_Octagonal_Shape_mpq_class_space_dimension (ppl_const_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type * *m*) [related]

7.46.2.75 int ppl_Octagonal_Shape_mpq_class_affine_dimension (ppl_const_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type * *m*) [related]

7.46.2.76 int ppl_Octagonal_Shape_mpq_class_relation_with_Constraint (ppl_const_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Constraint_t *c*) [related]

7.46.2.77 int ppl_Octagonal_Shape_mpq_class_relation_with_Generator (ppl_const_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Generator_t *c*) [related]

7.46.2.78 int ppl_Octagonal_Shape_mpq_class_relation_with_Congruence (ppl_const_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Congruence_t *c*) [related]

7.46.2.79 int ppl_Octagonal_Shape_mpq_class_get_constraints (ppl_const_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.46.2.80 int ppl_Octagonal_Shape_mpq_class_get_congruences (ppl_const_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.46.2.81 int ppl_Octagonal_Shape_mpq_class_get_minimized_constraints (ppl_const_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.46.2.82 int ppl_Octagonal_Shape_mpq_class_get_minimized_congruences (ppl_const_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.46.2.83 int ppl_Octagonal_Shape_mpq_class_is_empty (ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.46.2.84 int ppl_Octagonal_Shape_mpq_class_is_universe (ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.46.2.85 int ppl_Octagonal_Shape_mpq_class_is_bounded (ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.46.2.86 int ppl_Octagonal_Shape_mpq_class_contains_integer_point (ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.46.2.87 int ppl_Octagonal_Shape_mpq_class_is_topologically_closed (ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.46.2.88 int ppl_Octagonal_Shape_mpq_class_is_discrete (ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.46.2.89 int ppl_Octagonal_Shape_mpq_class_topological_closure_assign (ppl_Octagonal_Shape_mpq_class_t *ph*) [related]

7.46.2.90 int ppl_Octagonal_Shape_mpq_class_bounds_from_above (ppl_const_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.46.2.91 int ppl_Octagonal_Shape_mpq_class_bounds_from_below (ppl_const_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.46.2.92 int ppl_Octagonal_Shape_mpq_class_maximize (ppl_const_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.46.2.93 int ppl_Octagonal_Shape_mpq_class_minimize (ppl_const_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.46.2.94 int ppl_Octagonal_Shape_mpq_class_maximize_with_point (ppl_const_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.46.2.95 int ppl_Octagonal_Shape_mpq_class_minimize_with_point (ppl_const_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.46.2.96 int ppl_Octagonal_Shape_mpq_class_frequency (ppl_const_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_fn*, ppl_Coefficient_t *ext_fd*, ppl_Coefficient_t *ext_vn*, ppl_Coefficient_t *ext_vd*) [related]

7.46.2.97 int ppl_Octagonal_Shape_mpq_class_contains_Octagonal_Shape_mpq_class (ppl_const_Octagonal_Shape_mpq_class_t *x*, ppl_const_Octagonal_Shape_mpq_class_t *y*) [related]

7.46.2.98 int ppl_Octagonal_Shape_mpq_class_strictly_contains_Octagonal_Shape_mpq_class (ppl_const_Octagonal_Shape_mpq_class_t *x*, ppl_const_Octagonal_Shape_mpq_class_t *y*) [related]

7.46.2.99 int ppl_Octagonal_Shape_mpq_class_is_disjoint_from_Octagonal_Shape_mpq_class (ppl_const_Octagonal_Shape_mpq_class_t *x*, ppl_const_Octagonal_Shape_mpq_class_t *y*) [related]

7.46.2.100 int ppl_Octagonal_Shape_mpq_class_equals_Octagonal_Shape_mpq_class (ppl_const_Octagonal_Shape_mpq_class_t *x*, ppl_const_Octagonal_Shape_mpq_class_t *y*) [related]

7.46.2.101 int ppl_Octagonal_Shape_mpq_class_OK (ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.46.2.102 int ppl_Octagonal_Shape_mpq_class_add_constraint (ppl_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Constraint_t *c*) [related]

7.46.2.103 int ppl_Octagonal_Shape_mpq_class_add_congruence (ppl_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Congruence_t *c*) [related]

7.46.2.104 int ppl_Octagonal_Shape_mpq_class_add_constraints (ppl_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.46.2.105 int ppl_Octagonal_Shape_mpq_class_add_congruences (ppl_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.46.2.106 int ppl_Octagonal_Shape_mpq_class_refine_with_constraint (ppl_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Constraint_t *c*) [related]

7.46.2.107 int ppl_Octagonal_Shape_mpq_class_refine_with_congruence (ppl_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Congruence_t *c*) [related]

7.46.2.108 int ppl_Octagonal_Shape_mpq_class_refine_with_constraints (ppl_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.46.2.109 int ppl_Octagonal_Shape_mpq_class_refine_with_congruences (ppl_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.46.2.110 int ppl_Octagonal_Shape_mpq_class_intersection_assign (ppl_Octagonal_Shape_mpq_class_t *x*, ppl_const_Octagonal_Shape_mpq_class_t *y*) [related]

7.46.2.111 int ppl_Octagonal_Shape_mpq_class_upper_bound_assign (ppl_Octagonal_Shape_mpq_class_t *x*, ppl_const_Octagonal_Shape_mpq_class_t *y*) [related]

7.46.2.112 int ppl_Octagonal_Shape_mpq_class_difference_assign (ppl_Octagonal_Shape_mpq_class_t *x*, ppl_const_Octagonal_Shape_mpq_class_t *y*) [related]

7.46.2.113 int ppl_Octagonal_Shape_mpq_class_concatenate_assign (ppl_Octagonal_Shape_mpq_class_t *x*, ppl_const_Octagonal_Shape_mpq_class_t *y*) [related]

7.46.2.114 int ppl_Octagonal_Shape_mpq_class_time_elapse_assign (ppl_Octagonal_Shape_mpq_class_t *x*, ppl_const_Octagonal_Shape_mpq_class_t *y*) [related]

7.46.2.115 int ppl_Octagonal_Shape_mpq_class_upper_bound_assign_if_exact (ppl_Octagonal_Shape_mpq_class_t *x*, ppl_const_Octagonal_Shape_mpq_class_t *y*) [related]

7.46.2.116 int ppl_Octagonal_Shape_mpq_class_simplify_using_context_assign (ppl_Octagonal_Shape_mpq_class_t *x*, ppl_const_Octagonal_Shape_mpq_class_t *y*) [related]

7.46.2.117 int ppl_Octagonal_Shape_mpq_class_constrains (ppl_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type *var*) [related]

7.46.2.118 int ppl_Octagonal_Shape_mpq_class_unconstrain_space_dimension (ppl_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type *var*) [related]

7.46.2.119 int ppl_Octagonal_Shape_mpq_class_unconstrain_space_dimensions (ppl_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.46.2.120 int ppl_Octagonal_Shape_mpq_class_affine_image (ppl_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.46.2.121 int ppl_Octagonal_Shape_mpq_class_affine_preimage (ppl_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.46.2.122 int ppl_Octagonal_Shape_mpq_class_bounded_affine_image (ppl_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.46.2.123 int ppl_Octagonal_Shape_mpq_class_bounded_affine_preimage (ppl_Octagonal_-Shape_mpq_class_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.46.2.124 int ppl_Octagonal_Shape_mpq_class_generalized_affine_image (ppl_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.46.2.125 int ppl_Octagonal_Shape_mpq_class_generalized_affine_preimage (ppl_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.46.2.126 int ppl_Octagonal_Shape_mpq_class_generalized_affine_image_lhs_rhs (ppl_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.46.2.127 int ppl_Octagonal_Shape_mpq_class_generalized_affine_preimage_lhs_rhs (ppl_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.46.2.128 int ppl_Octagonal_Shape_mpq_class_add_space_dimensions_and_embed (ppl_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type *d*) [related]

7.46.2.129 int ppl_Octagonal_Shape_mpq_class_add_space_dimensions_and_project (ppl_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type *d*) [related]

7.46.2.130 int ppl_Octagonal_Shape_mpq_class_remove_space_dimensions (ppl_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.46.2.131 int ppl_Octagonal_Shape_mpq_class_remove_higher_space_dimensions (ppl_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type *d*) [related]

7.46.2.132 int ppl_Octagonal_Shape_mpq_class_expand_space_dimension (ppl_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.46.2.133 int ppl_Octagonal_Shape_mpq_class_fold_space_dimensions (ppl_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.46.2.134 int ppl_Octagonal_Shape_mpq_class_map_space_dimensions (ppl_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.46.2.135 int ppl_Octagonal_Shape_mpq_class_drop_some_non_integer_points (ppl_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.46.2.136 int ppl_Octagonal_Shape_mpq_class_drop_some_non_integer_points_2 (ppl_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.46.2.137 int ppl_Octagonal_Shape_mpq_class_external_memory_in_bytes (ppl_const_Octagonal_Shape_mpq_class_t *ps*, size_t * *sz*) [related]

7.46.2.138 int ppl_Octagonal_Shape_mpq_class_total_memory_in_bytes (ppl_const_Octagonal_Shape_mpq_class_t *ps*, size_t * *sz*) [related]

7.46.2.139 int ppl_Octagonal_Shape_mpq_class_BHMZ05_widening_assign_with_tokens (ppl_Octagonal_Shape_mpq_class_t *x*, ppl_const_Octagonal_Shape_mpq_class_t *y*, unsigned * *tp*) [related]

7.46.2.140 int ppl_Octagonal_Shape_mpq_class_BHMZ05_widening_assign (ppl_Octagonal_Shape_mpq_class_t *x*, ppl_const_Octagonal_Shape_mpq_class_t *y*) [related]

7.46.2.141 int ppl_Octagonal_Shape_mpq_class_widening_assign_with_tokens (ppl_Octagonal_Shape_mpq_class_t *x*, ppl_const_Octagonal_Shape_mpq_class_t *y*, unsigned * *tp*) [related]

7.46.2.142 int ppl_Octagonal_Shape_mpq_class_widening_assign (ppl_Octagonal_-Shape_mpq_class_t *x*, ppl_const_Octagonal_Shape_mpq_class_t *y*) [related]

7.46.2.143 int ppl_Octagonal_Shape_mpq_class_limited_BHMZ05_extrapolation_-assign_with_tokens (ppl_Octagonal_Shape_mpq_class_t *x*, ppl_const_Octagonal_Shape_mpq_class_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.46.2.144 int ppl_Octagonal_Shape_mpq_class_limited_CC76_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_mpq_class_t *x*, ppl_const_Octagonal_Shape_mpq_class_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.46.2.145 int ppl_Octagonal_Shape_mpq_class_limited_BHMZ05_extrapolation_assign (ppl_Octagonal_Shape_mpq_class_t *x*, ppl_const_Octagonal_Shape_mpq_class_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.46.2.146 int ppl_Octagonal_Shape_mpq_class_limited_CC76_extrapolation_assign (ppl_Octagonal_Shape_mpq_class_t *x*, ppl_const_Octagonal_Shape_mpq_class_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.46.2.147 int ppl_Octagonal_Shape_mpq_class_CC76_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_mpq_class_t *x*, ppl_const_Octagonal_Shape_mpq_class_t *y*, unsigned * *tp*) [related]

7.46.2.148 int ppl_Octagonal_Shape_mpq_class_CC76_extrapolation_assign (ppl_Octagonal_Shape_mpq_class_t *x*, ppl_const_Octagonal_Shape_mpq_class_t *y*) [related]

7.46.2.149 int ppl_Octagonal_Shape_mpq_class_CC76_narrowing_assign (ppl_Octagonal_Shape_mpq_class_t *x*, ppl_const_Octagonal_Shape_mpq_class_t *y*) [related]

7.46.2.150 int ppl_Octagonal_Shape_mpq_class_linear_partition (ppl_const_Octagonal_Shape_mpq_class_t *x*, ppl_const_Octagonal_Shape_mpq_class_t *y*, ppl_Octagonal_Shape_mpq_class_t * *p_inters*, ppl_Pointset_Powerset_NNC_Polyhedron_t * *p_rest*) [related]

7.46.2.151 int ppl_Octagonal_Shape_mpq_class_wrap_assign (ppl_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, enum ppl_enum_Bounded_Integer_Type_Width *w*, enum ppl_enum_Bounded_Integer_Type_Representation *r*, enum ppl_enum_Bounded_Integer_Type_Overflow *o*, const ppl_const_Constraint_System_t * *pcs*, unsigned *complexity_threshold*, int *wrap_individually*) [related]

7.46.2.152 int ppl_new_Octagonal_Shape_mpq_class_recycle_Constraint_System (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_Constraint_System_t *cs*) [related]

7.46.2.153 int ppl_new_Octagonal_Shape_mpq_class_recycle_Congruence_System (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_Congruence_System_t *cs*) [related]

7.46.2.154 int ppl_new_Octagonal_Shape_mpq_class_recycle_Generator_System (ppl_Octagonal_Shape_mpq_class_t * *pph*, ppl_Generator_System_t *cs*) [related]

7.46.2.155 int ppl_assign_Octagonal_Shape_mpq_class_from_Octagonal_Shape_mpq_class (ppl_Octagonal_Shape_mpq_class_t *dst*, ppl_const_Octagonal_Shape_mpq_class_t *src*) [related]

7.46.2.156 int ppl_Octagonal_Shape_mpq_class_add_recycled_constraints (ppl_Octagonal_Shape_mpq_class_t *ph*, ppl_Constraint_System_t *cs*) [related]

7.46.2.157 int ppl_Octagonal_Shape_mpq_class_add_recycled_congruences (ppl_Octagonal_Shape_mpq_class_t *ph*, ppl_Congruence_System_t *cs*) [related]

7.46.2.158 int ppl_termination_test_MS_Octagonal_Shape_mpq_class (ppl_const_Octagonal_Shape_mpq_class_t *pset*) [related]

7.46.2.159 int ppl_termination_test_PR_Octagonal_Shape_mpq_class (ppl_const_Octagonal_Shape_mpq_class_t *pset*) [related]

7.46.2.160 int ppl_one_affine_ranking_function_MS_Octagonal_Shape_mpq_class (ppl_const_Octagonal_Shape_mpq_class_t *pset*, ppl_Generator_t *point*) [related]

7.46.2.161 int ppl_one_affine_ranking_function_PR_Octagonal_Shape_mpq_class (ppl_const_Octagonal_Shape_mpq_class_t *pset*, ppl_Generator_t *point*) [related]

7.46.2.162 int ppl_all_affine_ranking_functions_MS_Octagonal_Shape_mpq_class (ppl_const_Octagonal_Shape_mpq_class_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.46.2.163 int ppl_all_affine_ranking_functions_PR_Octagonal_Shape_mpq_class (ppl_const_Octagonal_Shape_mpq_class_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.46.2.164 int ppl_termination_test_MS_Octagonal_Shape_mpq_class_2 (ppl_const_Octagonal_Shape_mpq_class_t *pset_before*, ppl_const_Octagonal_Shape_mpq_class_t *pset_after*) [related]

7.46.2.165 int ppl_termination_test_PR_Octagonal_Shape_mpq_class_2 (ppl_const_Octagonal_Shape_mpq_class_t *pset_before*, ppl_const_Octagonal_Shape_mpq_class_t *pset_after*) [related]

7.46.2.166 int ppl_one_affine_ranking_function_MS_Octagonal_Shape_mpq_class_2 (ppl_const_Octagonal_Shape_mpq_class_t *pset_before*, ppl_const_Octagonal_Shape_mpq_class_t *pset_after*, ppl_Generator_t *point*) [related]

7.46.2.167 int ppl_one_affine_ranking_function_PR_Octagonal_Shape_mpq_class_2 (ppl_const_Octagonal_Shape_mpq_class_t *pset_before*, ppl_const_Octagonal_Shape_mpq_class_t *pset_after*, ppl_Generator_t *point*) [related]

7.46.2.168 int ppl_all_affine_ranking_functions_MS_Octagonal_Shape_mpq_class_2 (ppl_const_Octagonal_Shape_mpq_class_t *pset_before*, ppl_const_Octagonal_Shape_mpq_class_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.46.2.169 int ppl_all_affine_ranking_functions_PR_Octagonal_Shape_mpq_class_2 (ppl_const_Octagonal_Shape_mpq_class_t *pset_before*, ppl_const_Octagonal_Shape_mpq_class_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.46.2.170 int ppl_io_print_Octagonal_Shape_mpq_class (ppl_const_Octagonal_Shape_mpq_class_t *x*) [related]

7.46.2.171 int ppl_io_fprint_Octagonal_Shape_mpq_class (FILE * *stream*, ppl_const_Octagonal_Shape_mpq_class_t *x*) [related]

7.46.2.172 int ppl_io_asprint_Octagonal_Shape_mpq_class (char ** *strp*, ppl_const_Octagonal_Shape_mpq_class_t *x*) [related]

7.46.2.173 int ppl_Octagonal_Shape_mpq_class_ascii_dump (ppl_const_Octagonal_Shape_mpq_class_t *x*, FILE * *stream*) [related]

7.46.2.174 int ppl_Octagonal_Shape_mpq_class_ascii_load (ppl_Octagonal_Shape_mpq_class_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.47 ppl_Octagonal_Shape_mpz_class_tag Interface Reference

Types and functions for ppl_Octagonal_Shape_mpz_class_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Octagonal_Shape_mpz_class (ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_Octagonal_Shape_mpz_class_from_space_dimension (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Octagonal_Shape_mpz_class_from_Int8_Box (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Int8_Box_t ph)
- int ppl_new_Octagonal_Shape_mpz_class_from_Int16_Box (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_Octagonal_Shape_mpz_class_from_Int32_Box (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_Octagonal_Shape_mpz_class_from_Int64_Box (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_Octagonal_Shape_mpz_class_from_Uint8_Box (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_Octagonal_Shape_mpz_class_from_Uint16_Box (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Uint16_Box_t ph)

- int ppl_new_Octagonal_Shape_mpz_class_from_Uint32_Box (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_Octagonal_Shape_mpz_class_from_Uint64_Box (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_Octagonal_Shape_mpz_class_from_Z_Box (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Z_Box_t ph)
- int ppl_new_Octagonal_Shape_mpz_class_from_Rational_Box (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_int8_t (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_int16_t (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_int32_t (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_int64_t (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_mpz_class (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_mpq_class (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_Octagonal_Shape_mpz_class_from_Octagonal_Shape_int8_t (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_Octagonal_Shape_mpz_class_from_Octagonal_Shape_int16_t (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_Octagonal_Shape_mpz_class_from_Octagonal_Shape_int32_t (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_Octagonal_Shape_mpz_class_from_Octagonal_Shape_int64_t (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_Octagonal_Shape_mpz_class_from_Octagonal_Shape_mpz_class (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_Octagonal_Shape_mpz_class_from_Octagonal_Shape_mpq_class (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_Octagonal_Shape_mpz_class_from_C_Polyhedron (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Octagonal_Shape_mpz_class_from_NNC_Polyhedron (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Octagonal_Shape_mpz_class_from_Grid (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Grid_t ph)
- int ppl_new_Octagonal_Shape_mpz_class_from_Float_Box (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_float (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_BD_Shape_float_t ph)
- int ppl_new_Octagonal_Shape_mpz_class_from_Octagonal_Shape_float (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_Octagonal_Shape_mpz_class_from_Double_Box (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Double_Box_t ph)
- int ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_double (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_BD_Shape_double_t ph)
- int ppl_new_Octagonal_Shape_mpz_class_from_Octagonal_Shape_double (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_Octagonal_Shape_mpz_class_from_Long_Double_Box (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Long_Double_Box_t ph)

- int ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_long_double (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_Octagonal_Shape_mpz_class_from_Octagonal_Shape_long_double (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_Octagonal_Shape_mpz_class_from_Int8_Box_with_complexity (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Int8_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpz_class_from_Int16_Box_with_complexity (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpz_class_from_Int32_Box_with_complexity (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpz_class_from_Int64_Box_with_complexity (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpz_class_from_Uint8_Box_with_complexity (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpz_class_from_Uint16_Box_with_complexity (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpz_class_from_Uint32_Box_with_complexity (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Uint32_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpz_class_from_Uint64_Box_with_complexity (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpz_class_from_Z_Box_with_complexity (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpz_class_from_Rational_Box_with_complexity (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_int8_t_with_complexity (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_int16_t_with_complexity (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_int32_t_with_complexity (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_int64_t_with_complexity (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_mpz_class_with_complexity (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_mpq_class_with_complexity (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpz_class_from_Octagonal_Shape_int8_t_with_complexity (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpz_class_from_Octagonal_Shape_int16_t_with_complexity (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpz_class_from_Octagonal_Shape_int32_t_with_complexity (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpz_class_from_Octagonal_Shape_int64_t_with_complexity (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpz_class_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpz_class_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)

- int ppl_new_Octagonal_Shape_mpz_class_from_C_Polyhedron_with_complexity (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpz_class_from_NNC_Polyhedron_with_complexity (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpz_class_from_Grid_with_complexity (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpz_class_from_Float_Box_with_complexity (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_float_with_complexity (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpz_class_from_Octagonal_Shape_float_with_complexity (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpz_class_from_Double_Box_with_complexity (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_double_with_complexity (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpz_class_from_Octagonal_Shape_double_with_complexity (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpz_class_from_Long_Double_Box_with_complexity (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_long_double_with_complexity (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpz_class_from_Octagonal_Shape_long_double_with_complexity (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_Octagonal_Shape_mpz_class_from_Constraint_System (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Octagonal_Shape_mpz_class_from_Congruence_System (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_new_Octagonal_Shape_mpz_class_from_Generator_System (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_const_Generator_System_t cs)
- int ppl_Octagonal_Shape_mpz_class_space_dimension (ppl_const_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type *m)
- int ppl_Octagonal_Shape_mpz_class_affine_dimension (ppl_const_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type *m)
- int ppl_Octagonal_Shape_mpz_class_relation_with_Constraint (ppl_const_Octagonal_Shape_mpz_class_t ph, ppl_const_Constraint_t c)
- int ppl_Octagonal_Shape_mpz_class_relation_with_Generator (ppl_const_Octagonal_Shape_mpz_class_t ph, ppl_const_Generator_t c)
- int ppl_Octagonal_Shape_mpz_class_relation_with_Congruence (ppl_const_Octagonal_Shape_mpz_class_t ph, ppl_const_Congruence_t c)
- int ppl_Octagonal_Shape_mpz_class_get_constraints (ppl_const_Octagonal_Shape_mpz_class_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Octagonal_Shape_mpz_class_get_congruences (ppl_const_Octagonal_Shape_mpz_class_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Octagonal_Shape_mpz_class_get_minimized_constraints (ppl_const_Octagonal_Shape_mpz_class_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Octagonal_Shape_mpz_class_get_minimized_congruences (ppl_const_Octagonal_Shape_mpz_class_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Octagonal_Shape_mpz_class_is_empty (ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_Octagonal_Shape_mpz_class_is_universe (ppl_const_Octagonal_Shape_mpz_class_t ph)

- int ppl_Octagonal_Shape_mpz_class_is_bounded (ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_Octagonal_Shape_mpz_class_contains_integer_point (ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_Octagonal_Shape_mpz_class_is_topologically_closed (ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_Octagonal_Shape_mpz_class_is_discrete (ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_Octagonal_Shape_mpz_class_topological_closure_assign (ppl_Octagonal_Shape_mpz_class_t ph)
- int ppl_Octagonal_Shape_mpz_class_bounds_from_above (ppl_const_Octagonal_Shape_mpz_class_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Octagonal_Shape_mpz_class_bounds_from_below (ppl_const_Octagonal_Shape_mpz_class_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Octagonal_Shape_mpz_class_maximize (ppl_const_Octagonal_Shape_mpz_class_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Octagonal_Shape_mpz_class_minimize (ppl_const_Octagonal_Shape_mpz_class_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Octagonal_Shape_mpz_class_maximize_with_point (ppl_const_Octagonal_Shape_mpz_class_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Octagonal_Shape_mpz_class_minimize_with_point (ppl_const_Octagonal_Shape_mpz_class_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Octagonal_Shape_mpz_class_frequency (ppl_const_Octagonal_Shape_mpz_class_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_fn, ppl_Coefficient_t ext_fd, ppl_Coefficient_t ext_vn, ppl_Coefficient_t ext_vd)
- int ppl_Octagonal_Shape_mpz_class_contains_Octagonal_Shape_mpz_class (ppl_const_Octagonal_Shape_mpz_class_t x, ppl_const_Octagonal_Shape_mpz_class_t y)
- int ppl_Octagonal_Shape_mpz_class_strictly_contains_Octagonal_Shape_mpz_class (ppl_const_Octagonal_Shape_mpz_class_t x, ppl_const_Octagonal_Shape_mpz_class_t y)
- int ppl_Octagonal_Shape_mpz_class_is_disjoint_from_Octagonal_Shape_mpz_class (ppl_const_Octagonal_Shape_mpz_class_t x, ppl_const_Octagonal_Shape_mpz_class_t y)
- int ppl_Octagonal_Shape_mpz_class_equals_Octagonal_Shape_mpz_class (ppl_const_Octagonal_Shape_mpz_class_t x, ppl_const_Octagonal_Shape_mpz_class_t y)
- int ppl_Octagonal_Shape_mpz_class_OK (ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_Octagonal_Shape_mpz_class_add_constraint (ppl_Octagonal_Shape_mpz_class_t ph, ppl_const_Constraint_t c)
- int ppl_Octagonal_Shape_mpz_class_add_congruence (ppl_Octagonal_Shape_mpz_class_t ph, ppl_const_Congruence_t c)
- int ppl_Octagonal_Shape_mpz_class_add_constraints (ppl_Octagonal_Shape_mpz_class_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Octagonal_Shape_mpz_class_add_congruences (ppl_Octagonal_Shape_mpz_class_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Octagonal_Shape_mpz_class_refine_with_constraint (ppl_Octagonal_Shape_mpz_class_t ph, ppl_const_Constraint_t c)
- int ppl_Octagonal_Shape_mpz_class_refine_with_congruence (ppl_Octagonal_Shape_mpz_class_t ph, ppl_const_Congruence_t c)
- int ppl_Octagonal_Shape_mpz_class_refine_with_constraints (ppl_Octagonal_Shape_mpz_class_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Octagonal_Shape_mpz_class_refine_with_congruences (ppl_Octagonal_Shape_mpz_class_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Octagonal_Shape_mpz_class_intersection_assign (ppl_Octagonal_Shape_mpz_class_t x, ppl_const_Octagonal_Shape_mpz_class_t y)

- int ppl_Octagonal_Shape_mpz_class_upper_bound_assign (ppl_Octagonal_Shape_mpz_class_t x, ppl_const_Octagonal_Shape_mpz_class_t y)
- int ppl_Octagonal_Shape_mpz_class_difference_assign (ppl_Octagonal_Shape_mpz_class_t x, ppl_const_Octagonal_Shape_mpz_class_t y)
- int ppl_Octagonal_Shape_mpz_class_concatenate_assign (ppl_Octagonal_Shape_mpz_class_t x, ppl_const_Octagonal_Shape_mpz_class_t y)
- int ppl_Octagonal_Shape_mpz_class_time_elapse_assign (ppl_Octagonal_Shape_mpz_class_t x, ppl_const_Octagonal_Shape_mpz_class_t y)
- int ppl_Octagonal_Shape_mpz_class_upper_bound_assign_if_exact (ppl_Octagonal_Shape_mpz_class_t x, ppl_const_Octagonal_Shape_mpz_class_t y)
- int ppl_Octagonal_Shape_mpz_class_simplify_using_context_assign (ppl_Octagonal_Shape_mpz_class_t x, ppl_const_Octagonal_Shape_mpz_class_t y)
- int ppl_Octagonal_Shape_mpz_class_constrains (ppl_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type var)
- int ppl_Octagonal_Shape_mpz_class_unconstrain_space_dimension (ppl_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type var)
- int ppl_Octagonal_Shape_mpz_class_unconstrain_space_dimensions (ppl_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Octagonal_Shape_mpz_class_affine_image (ppl_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_mpz_class_affine_preimage (ppl_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_mpz_class_bounded_affine_image (ppl_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_mpz_class_bounded_affine_preimage (ppl_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_mpz_class_generalized_affine_image (ppl_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_mpz_class_generalized_affine_preimage (ppl_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Octagonal_Shape_mpz_class_generalized_affine_image_lhs_rhs (ppl_Octagonal_Shape_mpz_class_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Octagonal_Shape_mpz_class_generalized_affine_preimage_lhs_rhs (ppl_Octagonal_Shape_mpz_class_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Octagonal_Shape_mpz_class_add_space_dimensions_and_embed (ppl_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type d)
- int ppl_Octagonal_Shape_mpz_class_add_space_dimensions_and_project (ppl_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type d)
- int ppl_Octagonal_Shape_mpz_class_remove_space_dimensions (ppl_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Octagonal_Shape_mpz_class_remove_higher_space_dimensions (ppl_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type d)
- int ppl_Octagonal_Shape_mpz_class_expand_space_dimension (ppl_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Octagonal_Shape_mpz_class_fold_space_dimensions (ppl_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)

- int ppl_Octagonal_Shape_mpz_class_map_space_dimensions (ppl_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Octagonal_Shape_mpz_class_drop_some_non_integer_points (ppl_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_Octagonal_Shape_mpz_class_drop_some_non_integer_points_2 (ppl_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Octagonal_Shape_mpz_class_external_memory_in_bytes (ppl_const_Octagonal_Shape_mpz_class_t ps, size_t *sz)
- int ppl_Octagonal_Shape_mpz_class_total_memory_in_bytes (ppl_const_Octagonal_Shape_mpz_class_t ps, size_t *sz)
- int ppl_Octagonal_Shape_mpz_class_BHMZ05_widening_assign_with_tokens (ppl_Octagonal_Shape_mpz_class_t x, ppl_const_Octagonal_Shape_mpz_class_t y, unsigned *tp)
- int ppl_Octagonal_Shape_mpz_class_BHMZ05_widening_assign (ppl_Octagonal_Shape_mpz_class_t x, ppl_const_Octagonal_Shape_mpz_class_t y)
- int ppl_Octagonal_Shape_mpz_class_widening_assign_with_tokens (ppl_Octagonal_Shape_mpz_class_t x, ppl_const_Octagonal_Shape_mpz_class_t y, unsigned *tp)
- int ppl_Octagonal_Shape_mpz_class_widening_assign (ppl_Octagonal_Shape_mpz_class_t x, ppl_const_Octagonal_Shape_mpz_class_t y)
- int ppl_Octagonal_Shape_mpz_class_limited_BHMZ05_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_mpz_class_t x, ppl_const_Octagonal_Shape_mpz_class_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_Octagonal_Shape_mpz_class_limited_CC76_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_mpz_class_t x, ppl_const_Octagonal_Shape_mpz_class_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_Octagonal_Shape_mpz_class_limited_BHMZ05_extrapolation_assign (ppl_Octagonal_Shape_mpz_class_t x, ppl_const_Octagonal_Shape_mpz_class_t y, ppl_const_Constraint_System_t cs)
- int ppl_Octagonal_Shape_mpz_class_limited_CC76_extrapolation_assign (ppl_Octagonal_Shape_mpz_class_t x, ppl_const_Octagonal_Shape_mpz_class_t y, ppl_const_Constraint_System_t cs)
- int ppl_Octagonal_Shape_mpz_class_CC76_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_mpz_class_t x, ppl_const_Octagonal_Shape_mpz_class_t y, unsigned *tp)
- int ppl_Octagonal_Shape_mpz_class_CC76_extrapolation_assign (ppl_Octagonal_Shape_mpz_class_t x, ppl_const_Octagonal_Shape_mpz_class_t y)
- int ppl_Octagonal_Shape_mpz_class_CC76_narrowing_assign (ppl_Octagonal_Shape_mpz_class_t x, ppl_const_Octagonal_Shape_mpz_class_t y)
- int ppl_Octagonal_Shape_mpz_class_linear_partition (ppl_const_Octagonal_Shape_mpz_class_t x, ppl_const_Octagonal_Shape_mpz_class_t y, ppl_Octagonal_Shape_mpz_class_t *p_inters, ppl_Pointset_Powerset_NNC_Polyhedron_t *p_rest)
- int ppl_Octagonal_Shape_mpz_class_wrap_assign (ppl_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type ds[ ], size_t n, enum ppl_enum_Bounded_Integer_Type_Width w, enum ppl_enum_Bounded_Integer_Type_Representation r, enum ppl_enum_Bounded_Integer_Type_Overflow o, const ppl_const_Constraint_System_t *pcs, unsigned complexity_threshold, int wrap_individually)
- int ppl_new_Octagonal_Shape_mpz_class_recycle_Constraint_System (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_Constraint_System_t cs)
- int ppl_new_Octagonal_Shape_mpz_class_recycle_Congruence_System (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_Congruence_System_t cs)
- int ppl_new_Octagonal_Shape_mpz_class_recycle_Generator_System (ppl_Octagonal_Shape_mpz_class_t *pph, ppl_Generator_System_t cs)
- int ppl_assign_Octagonal_Shape_mpz_class_from_Octagonal_Shape_mpz_class (ppl_Octagonal_Shape_mpz_class_t dst, ppl_const_Octagonal_Shape_mpz_class_t src)

- int ppl_Octagonal_Shape_mpz_class_add_recycled_constraints (ppl_Octagonal_Shape_mpz_class_t ph, ppl_Constraint_System_t cs)
- int ppl_Octagonal_Shape_mpz_class_add_recycled_congruences (ppl_Octagonal_Shape_mpz_class_t ph, ppl_Congruence_System_t cs)
- int ppl_termination_test_MS_Octagonal_Shape_mpz_class (ppl_const_Octagonal_Shape_mpz_class_t pset)
- int ppl_termination_test_PR_Octagonal_Shape_mpz_class (ppl_const_Octagonal_Shape_mpz_class_t pset)
- int ppl_one_affine_ranking_function_MS_Octagonal_Shape_mpz_class (ppl_const_Octagonal_Shape_mpz_class_t pset, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Octagonal_Shape_mpz_class (ppl_const_Octagonal_Shape_mpz_class_t pset, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Octagonal_Shape_mpz_class (ppl_const_Octagonal_Shape_mpz_class_t pset, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Octagonal_Shape_mpz_class (ppl_const_Octagonal_Shape_mpz_class_t pset, ppl_Polyhedron_t ph)
- int ppl_termination_test_MS_Octagonal_Shape_mpz_class_2 (ppl_const_Octagonal_Shape_mpz_class_t pset_before, ppl_const_Octagonal_Shape_mpz_class_t pset_after)
- int ppl_termination_test_PR_Octagonal_Shape_mpz_class_2 (ppl_const_Octagonal_Shape_mpz_class_t pset_before, ppl_const_Octagonal_Shape_mpz_class_t pset_after)
- int ppl_one_affine_ranking_function_MS_Octagonal_Shape_mpz_class_2 (ppl_const_Octagonal_Shape_mpz_class_t pset_before, ppl_const_Octagonal_Shape_mpz_class_t pset_after, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Octagonal_Shape_mpz_class_2 (ppl_const_Octagonal_Shape_mpz_class_t pset_before, ppl_const_Octagonal_Shape_mpz_class_t pset_after, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Octagonal_Shape_mpz_class_2 (ppl_const_Octagonal_Shape_mpz_class_t pset_before, ppl_const_Octagonal_Shape_mpz_class_t pset_after, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Octagonal_Shape_mpz_class_2 (ppl_const_Octagonal_Shape_mpz_class_t pset_before, ppl_const_Octagonal_Shape_mpz_class_t pset_after, ppl_Polyhedron_t ph)
- int ppl_io_print_Octagonal_Shape_mpz_class (ppl_const_Octagonal_Shape_mpz_class_t x)
- int ppl_io_fprint_Octagonal_Shape_mpz_class (FILE *stream, ppl_const_Octagonal_Shape_mpz_class_t x)
- int ppl_io_asprint_Octagonal_Shape_mpz_class (char **strp, ppl_const_Octagonal_Shape_mpz_class_t x)
- int ppl_Octagonal_Shape_mpz_class_ascii_dump (ppl_const_Octagonal_Shape_mpz_class_t x, FILE *stream)
- int ppl_Octagonal_Shape_mpz_class_ascii_load (ppl_Octagonal_Shape_mpz_class_t x, FILE *stream)

7.47.1 Detailed Description

Types and functions for ppl_Octagonal_Shape_mpz_class_tag.

7.47.2 Friends And Related Function Documentation

7.47.2.1 int ppl_delete_Octagonal_Shape_mpz_class (ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.47.2.2 int ppl_new_Octagonal_Shape_mpz_class_from_space_dimension (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.47.2.3 int ppl_new_Octagonal_Shape_mpz_class_from_Int8_Box (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.47.2.4 int ppl_new_Octagonal_Shape_mpz_class_from_Int16_Box (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.47.2.5 int ppl_new_Octagonal_Shape_mpz_class_from_Int32_Box (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.47.2.6 int ppl_new_Octagonal_Shape_mpz_class_from_Int64_Box (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.47.2.7 int ppl_new_Octagonal_Shape_mpz_class_from_Uint8_Box (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.47.2.8 int ppl_new_Octagonal_Shape_mpz_class_from_Uint16_Box (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.47.2.9 int ppl_new_Octagonal_Shape_mpz_class_from_Uint32_Box (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.47.2.10 int ppl_new_Octagonal_Shape_mpz_class_from_Uint64_Box (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.47.2.11 int ppl_new_Octagonal_Shape_mpz_class_from_Z_Box (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.47.2.12 int ppl_new_Octagonal_Shape_mpz_class_from_Rational_Box (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.47.2.13 int ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_int8_t (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.47.2.14 int ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_int16_t (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.47.2.15 int ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_int32_t (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.47.2.16 int ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_int64_t (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.47.2.17 int ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_mpz_class (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.47.2.18 int ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_mpq_class (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.47.2.19 int ppl_new_Octagonal_Shape_mpz_class_from_Octagonal_Shape_int8_t (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.47.2.20 int ppl_new_Octagonal_Shape_mpz_class_from_Octagonal_Shape_int16_t (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.47.2.21 int ppl_new_Octagonal_Shape_mpz_class_from_Octagonal_Shape_int32_t (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.47.2.22 int ppl_new_Octagonal_Shape_mpz_class_from_Octagonal_Shape_int64_t (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.47.2.23 int ppl_new_Octagonal_Shape_mpz_class_from_Octagonal_Shape_mpz_class (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.47.2.24 int ppl_new_Octagonal_Shape_mpz_class_from_Octagonal_Shape_mpq_class (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.47.2.25 int ppl_new_Octagonal_Shape_mpz_class_from_C_Polyhedron (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.47.2.26 int ppl_new_Octagonal_Shape_mpz_class_from_NNC_Polyhedron (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.47.2.27 int ppl_new_Octagonal_Shape_mpz_class_from_Grid (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.47.2.28 int ppl_new_Octagonal_Shape_mpz_class_from_Float_Box (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.47.2.29 int ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_float (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.47.2.30 int ppl_new_Octagonal_Shape_mpz_class_from_Octagonal_Shape_float (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.47.2.31 int ppl_new_Octagonal_Shape_mpz_class_from_Double_Box (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.47.2.32 int ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_double (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.47.2.33 int ppl_new_Octagonal_Shape_mpz_class_from_Octagonal_Shape_double (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.47.2.34 int ppl_new_Octagonal_Shape_mpz_class_from_Long_Double_Box (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.47.2.35 int ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_long_double (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.47.2.36 int ppl_new_Octagonal_Shape_mpz_class_from_Octagonal_Shape_long_double (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.47.2.37 int ppl_new_Octagonal_Shape_mpz_class_from_Int8_Box_with_complexity (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.47.2.38 int ppl_new_Octagonal_Shape_mpz_class_from_Int16_Box_with_complexity (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.47.2.39 int ppl_new_Octagonal_Shape_mpz_class_from_Int32_Box_with_complexity (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.47.2.40 int ppl_new_Octagonal_Shape_mpz_class_from_Int64_Box_with_complexity (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.47.2.41 int ppl_new_Octagonal_Shape_mpz_class_from_Uint8_Box_with_complexity (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.47.2.42 int ppl_new_Octagonal_Shape_mpz_class_from_Uint16_Box_with_complexity (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.47.2.43 int ppl_new_Octagonal_Shape_mpz_class_from_Uint32_Box_with_complexity (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.47.2.44 int ppl_new_Octagonal_Shape_mpz_class_from_Uint64_Box_with_complexity (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.47.2.45 int ppl_new_Octagonal_Shape_mpz_class_from_Z_Box_with_complexity (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.47.2.46 int ppl_new_Octagonal_Shape_mpz_class_from_Rational_Box_with_complexity (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.47.2.47 int ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_int8_t_with_complexity (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.47.2.48 int ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_int16_t_with_complexity (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.47.2.49 int ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_int32_t_with_complexity (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.47.2.50 **int ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_int64_t_with_complexity (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*)** `[related]`

7.47.2.51 **int ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_mpz_class_with_complexity (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*)** `[related]`

7.47.2.52 **int ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_mpq_class_with_complexity (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*)** `[related]`

7.47.2.53 **int ppl_new_Octagonal_Shape_mpz_class_from_Octagonal_Shape_int8_t_with_complexity (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*)** `[related]`

7.47.2.54 **int ppl_new_Octagonal_Shape_mpz_class_from_Octagonal_Shape_int16_t_with_complexity (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*)** `[related]`

7.47.2.55 **int ppl_new_Octagonal_Shape_mpz_class_from_Octagonal_Shape_int32_t_with_complexity (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*)** `[related]`

7.47.2.56 **int ppl_new_Octagonal_Shape_mpz_class_from_Octagonal_Shape_int64_t_with_complexity (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*)** `[related]`

7.47.2.57 **int ppl_new_Octagonal_Shape_mpz_class_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*)** `[related]`

7.47.2.58 int ppl_new_Octagonal_Shape_mpz_class_from_Octagonal_Shape_-mpq_class_with_complexity (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.47.2.59 int ppl_new_Octagonal_Shape_mpz_class_from_C_Polyhedron_with_complexity (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.47.2.60 int ppl_new_Octagonal_Shape_mpz_class_from_NNC_Polyhedron_with_complexity (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.47.2.61 int ppl_new_Octagonal_Shape_mpz_class_from_Grid_with_complexity (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.47.2.62 int ppl_new_Octagonal_Shape_mpz_class_from_Float_Box_with_complexity (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.47.2.63 int ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_float_with_complexity (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.47.2.64 int ppl_new_Octagonal_Shape_mpz_class_from_Octagonal_Shape_-float_with_complexity (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.47.2.65 int ppl_new_Octagonal_Shape_mpz_class_from_Double_Box_with_complexity (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.47.2.66 int ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_double_with_complexity (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.47.2.67 int ppl_new_Octagonal_Shape_mpz_class_from_Octagonal_Shape_double_with_complexity (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.47.2.68 int ppl_new_Octagonal_Shape_mpz_class_from_Long_Double_Box_with_complexity (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.47.2.69 int ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_long_double_with_complexity (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.47.2.70 int ppl_new_Octagonal_Shape_mpz_class_from_Octagonal_Shape_long_double_with_complexity (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.47.2.71 int ppl_new_Octagonal_Shape_mpz_class_from_Constraint_System (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.47.2.72 int ppl_new_Octagonal_Shape_mpz_class_from_Congruence_System (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.47.2.73 int ppl_new_Octagonal_Shape_mpz_class_from_Generator_System (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Generator_System_t *cs*) [related]

7.47.2.74 int ppl_Octagonal_Shape_mpz_class_space_dimension (ppl_const_Octagonal_Shape_mpz_class_t *ph*, ppl_dimension_type * *m*) [related]

7.47.2.75 int ppl_Octagonal_Shape_mpz_class_affine_dimension (ppl_const_Octagonal_Shape_mpz_class_t *ph*, ppl_dimension_type * *m*) [related]

7.47.2.76 int ppl_Octagonal_Shape_mpz_class_relation_with_Constraint (ppl_const_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Constraint_t *c*) [related]

7.47.2.77 int ppl_Octagonal_Shape_mpz_class_relation_with_Generator (ppl_const_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Generator_t *c*) [related]

7.47.2.78 int ppl_Octagonal_Shape_mpz_class_relation_with_Congruence (ppl_const_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Congruence_t *c*) [related]

7.47.2.79 int ppl_Octagonal_Shape_mpz_class_get_constraints (ppl_const_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.47.2.80 int ppl_Octagonal_Shape_mpz_class_get_congruences (ppl_const_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.47.2.81 int ppl_Octagonal_Shape_mpz_class_get_minimized_constraints (ppl_const_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.47.2.82 int ppl_Octagonal_Shape_mpz_class_get_minimized_congruences (ppl_const_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.47.2.83 int ppl_Octagonal_Shape_mpz_class_is_empty (ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.47.2.84 int ppl_Octagonal_Shape_mpz_class_is_universe (ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.47.2.85 int ppl_Octagonal_Shape_mpz_class_is_bounded (ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.47.2.86 int ppl_Octagonal_Shape_mpz_class_contains_integer_point (ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.47.2.87 int ppl_Octagonal_Shape_mpz_class_is_topologically_closed (ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.47.2.88 int ppl_Octagonal_Shape_mpz_class_is_discrete (ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.47.2.89 int ppl_Octagonal_Shape_mpz_class_topological_closure_assign (ppl_Octagonal_Shape_mpz_class_t *ph*) [related]

7.47.2.90 int ppl_Octagonal_Shape_mpz_class_bounds_from_above (ppl_const_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.47.2.91 int ppl_Octagonal_Shape_mpz_class_bounds_from_below (ppl_const_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.47.2.92 int ppl_Octagonal_Shape_mpz_class_maximize (ppl_const_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.47.2.93 int ppl_Octagonal_Shape_mpz_class_minimize (ppl_const_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.47.2.94 int ppl_Octagonal_Shape_mpz_class_maximize_with_point (ppl_const_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.47.2.95 int ppl_Octagonal_Shape_mpz_class_minimize_with_point (ppl_const_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.47.2.96 int ppl_Octagonal_Shape_mpz_class_frequency (ppl_const_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_fn*, ppl_Coefficient_t *ext_fd*, ppl_Coefficient_t *ext_vn*, ppl_Coefficient_t *ext_vd*) [related]

7.47.2.97 int ppl_Octagonal_Shape_mpz_class_contains_Octagonal_Shape_mpz_class (ppl_const_Octagonal_Shape_mpz_class_t *x*, ppl_const_Octagonal_Shape_mpz_class_t *y*) [related]

7.47.2.98 int ppl_Octagonal_Shape_mpz_class_strictly_contains_Octagonal_Shape_mpz_class (ppl_const_Octagonal_Shape_mpz_class_t *x*, ppl_const_Octagonal_Shape_mpz_class_t *y*) [related]

7.47.2.99 int ppl_Octagonal_Shape_mpz_class_is_disjoint_from_Octagonal_Shape_mpz_class (ppl_const_Octagonal_Shape_mpz_class_t *x*, ppl_const_Octagonal_Shape_mpz_class_t *y*) [related]

7.47.2.100 int ppl_Octagonal_Shape_mpz_class_equals_Octagonal_Shape_mpz_class (ppl_const_Octagonal_Shape_mpz_class_t *x*, ppl_const_Octagonal_Shape_mpz_class_t *y*) [related]

7.47.2.101 int ppl_Octagonal_Shape_mpz_class_OK (ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.47.2.102 int ppl_Octagonal_Shape_mpz_class_add_constraint (ppl_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Constraint_t *c*) [related]

7.47.2.103 int ppl_Octagonal_Shape_mpz_class_add_congruence (ppl_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Congruence_t *c*) [related]

7.47.2.104 int ppl_Octagonal_Shape_mpz_class_add_constraints (ppl_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.47.2.105 int ppl_Octagonal_Shape_mpz_class_add_congruences (ppl_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.47.2.106 int ppl_Octagonal_Shape_mpz_class_refine_with_constraint (ppl_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Constraint_t *c*) [related]

7.47.2.107 int ppl_Octagonal_Shape_mpz_class_refine_with_congruence (ppl_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Congruence_t *c*) [related]

7.47.2.108 int ppl_Octagonal_Shape_mpz_class_refine_with_constraints (ppl_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.47.2.109 int ppl_Octagonal_Shape_mpz_class_refine_with_congruences (ppl_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.47.2.110 int ppl_Octagonal_Shape_mpz_class_intersection_assign (ppl_Octagonal_Shape_mpz_class_t *x*, ppl_const_Octagonal_Shape_mpz_class_t *y*) [related]

7.47.2.111 int ppl_Octagonal_Shape_mpz_class_upper_bound_assign (ppl_Octagonal_Shape_mpz_class_t *x*, ppl_const_Octagonal_Shape_mpz_class_t *y*) [related]

7.47.2.112 int ppl_Octagonal_Shape_mpz_class_difference_assign (ppl_Octagonal_Shape_mpz_class_t *x*, ppl_const_Octagonal_Shape_mpz_class_t *y*) [related]

7.47.2.113 int ppl_Octagonal_Shape_mpz_class_concatenate_assign (ppl_Octagonal_Shape_mpz_class_t *x*, ppl_const_Octagonal_Shape_mpz_class_t *y*) [related]

7.47.2.114 int ppl_Octagonal_Shape_mpz_class_time_elapse_assign (ppl_Octagonal_Shape_mpz_class_t *x*, ppl_const_Octagonal_Shape_mpz_class_t *y*) [related]

7.47.2.115 int ppl_Octagonal_Shape_mpz_class_upper_bound_assign_if_exact (ppl_Octagonal_Shape_mpz_class_t *x*, ppl_const_Octagonal_Shape_mpz_class_t *y*) [related]

7.47.2.116 int ppl_Octagonal_Shape_mpz_class_simplify_using_context_assign (ppl_Octagonal_Shape_mpz_class_t *x*, ppl_const_Octagonal_Shape_mpz_class_t *y*) [related]

7.47.2.117 int ppl_Octagonal_Shape_mpz_class_constrains (ppl_Octagonal_Shape_mpz_class_t *ph*, ppl_dimension_type *var*) [related]

7.47.2.118 int ppl_Octagonal_Shape_mpz_class_unconstrain_space_dimension (ppl_Octagonal_Shape_mpz_class_t *ph*, ppl_dimension_type *var*) [related]

7.47.2.119 int ppl_Octagonal_Shape_mpz_class_unconstrain_space_dimensions (ppl_Octagonal_Shape_mpz_class_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.47.2.120 int ppl_Octagonal_Shape_mpz_class_affine_image (ppl_Octagonal_Shape_mpz_class_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.47.2.121 int ppl_Octagonal_Shape_mpz_class_affine_preimage (ppl_Octagonal_Shape_-mpz_class_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.47.2.122 int ppl_Octagonal_Shape_mpz_class_bounded_affine_image (ppl_Octagonal_Shape_-mpz_class_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.47.2.123 int ppl_Octagonal_Shape_mpz_class_bounded_affine_preimage (ppl_Octagonal_Shape_mpz_class_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.47.2.124 int ppl_Octagonal_Shape_mpz_class_generalized_affine_image (ppl_Octagonal_Shape_mpz_class_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.47.2.125 int ppl_Octagonal_Shape_mpz_class_generalized_affine_preimage (ppl_Octagonal_Shape_mpz_class_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.47.2.126 int ppl_Octagonal_Shape_mpz_class_generalized_affine_image_lhs_rhs (ppl_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.47.2.127 int ppl_Octagonal_Shape_mpz_class_generalized_affine_preimage_lhs_rhs (ppl_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.47.2.128 int ppl_Octagonal_Shape_mpz_class_add_space_dimensions_and_embed (ppl_Octagonal_Shape_mpz_class_t *ph*, ppl_dimension_type *d*) [related]

7.47.2.129 int ppl_Octagonal_Shape_mpz_class_add_space_dimensions_and_project (ppl_Octagonal_Shape_mpz_class_t *ph*, ppl_dimension_type *d*) [related]

7.47.2.130 int ppl_Octagonal_Shape_mpz_class_remove_space_dimensions (ppl_Octagonal_Shape_mpz_class_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.47.2.131 int ppl_Octagonal_Shape_mpz_class_remove_higher_space_dimensions (ppl_Octagonal_Shape_mpz_class_t *ph*, ppl_dimension_type *d*) [related]

7.47.2.132 int ppl_Octagonal_Shape_mpz_class_expand_space_dimension (ppl_Octagonal_Shape_mpz_class_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.47.2.133 int ppl_Octagonal_Shape_mpz_class_fold_space_dimensions (ppl_Octagonal_-Shape_mpz_class_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.47.2.134 int ppl_Octagonal_Shape_mpz_class_map_space_dimensions (ppl_Octagonal_Shape_mpz_class_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.47.2.135 int ppl_Octagonal_Shape_mpz_class_drop_some_non_integer_points (ppl_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.47.2.136 int ppl_Octagonal_Shape_mpz_class_drop_some_non_integer_points_2 (ppl_Octagonal_Shape_mpz_class_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.47.2.137 int ppl_Octagonal_Shape_mpz_class_external_memory_in_bytes (ppl_const_Octagonal_Shape_mpz_class_t *ps*, size_t ∗ *sz*) [related]

7.47.2.138 int ppl_Octagonal_Shape_mpz_class_total_memory_in_bytes (ppl_const_Octagonal_Shape_mpz_class_t *ps*, size_t ∗ *sz*) [related]

7.47.2.139 int ppl_Octagonal_Shape_mpz_class_BHMZ05_widening_assign_with_tokens (ppl_Octagonal_Shape_mpz_class_t *x*, ppl_const_Octagonal_Shape_mpz_class_t *y*, unsigned * *tp*) [related]

7.47.2.140 int ppl_Octagonal_Shape_mpz_class_BHMZ05_widening_assign (ppl_Octagonal_Shape_mpz_class_t *x*, ppl_const_Octagonal_Shape_mpz_class_t *y*) [related]

7.47.2.141 int ppl_Octagonal_Shape_mpz_class_widening_assign_with_tokens (ppl_Octagonal_Shape_mpz_class_t *x*, ppl_const_Octagonal_Shape_mpz_class_t *y*, unsigned * *tp*) [related]

7.47.2.142 int ppl_Octagonal_Shape_mpz_class_widening_assign (ppl_Octagonal_-Shape_mpz_class_t *x*, ppl_const_Octagonal_Shape_mpz_class_t *y*) [related]

7.47.2.143 int ppl_Octagonal_Shape_mpz_class_limited_BHMZ05_extrapolation_-assign_with_tokens (ppl_Octagonal_Shape_mpz_class_t *x*, ppl_const_Octagonal_Shape_mpz_class_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.47.2.144 int ppl_Octagonal_Shape_mpz_class_limited_CC76_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_mpz_class_t *x*, ppl_const_Octagonal_Shape_mpz_class_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.47.2.145 int ppl_Octagonal_Shape_mpz_class_limited_BHMZ05_extrapolation_assign (ppl_Octagonal_Shape_mpz_class_t *x*, ppl_const_Octagonal_Shape_mpz_class_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.47.2.146 int ppl_Octagonal_Shape_mpz_class_limited_CC76_extrapolation_assign (ppl_Octagonal_Shape_mpz_class_t *x*, ppl_const_Octagonal_Shape_mpz_class_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.47.2.147 int ppl_Octagonal_Shape_mpz_class_CC76_extrapolation_assign_with_tokens (ppl_Octagonal_Shape_mpz_class_t *x*, ppl_const_Octagonal_Shape_mpz_class_t *y*, unsigned * *tp*) [related]

7.47.2.148 int ppl_Octagonal_Shape_mpz_class_CC76_extrapolation_assign (ppl_Octagonal_Shape_mpz_class_t *x*, ppl_const_Octagonal_Shape_mpz_class_t *y*) [related]

7.47.2.149 int ppl_Octagonal_Shape_mpz_class_CC76_narrowing_assign (ppl_Octagonal_Shape_mpz_class_t *x*, ppl_const_Octagonal_Shape_mpz_class_t *y*) [related]

7.47.2.150 int ppl_Octagonal_Shape_mpz_class_linear_partition (ppl_const_Octagonal_-Shape_mpz_class_t *x*, ppl_const_Octagonal_Shape_mpz_class_t *y*, ppl_Octagonal_Shape_mpz_class_t * *p_inters*, ppl_Pointset_Powerset_NNC_-Polyhedron_t * *p_rest*) [related]

7.47.2.151 int ppl_Octagonal_Shape_mpz_class_wrap_assign (ppl_Octagonal_Shape_mpz_class_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, enum ppl_enum_Bounded_Integer_-Type_Width *w*, enum ppl_enum_Bounded_Integer_Type_Representation *r*, enum ppl_enum_Bounded_Integer_Type_Overflow *o*, const ppl_const_Constraint_System_t * *pcs*, unsigned *complexity_threshold*, int *wrap_individually*) [related]

7.47.2.152 int ppl_new_Octagonal_Shape_mpz_class_recycle_Constraint_System (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_Constraint_System_t *cs*) [related]

7.47.2.153 int ppl_new_Octagonal_Shape_mpz_class_recycle_Congruence_System (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_Congruence_System_t *cs*) [related]

7.47.2.154 int ppl_new_Octagonal_Shape_mpz_class_recycle_Generator_System (ppl_Octagonal_Shape_mpz_class_t * *pph*, ppl_Generator_System_t *cs*) [related]

7.47.2.155 int ppl_assign_Octagonal_Shape_mpz_class_from_Octagonal_Shape_mpz_class (ppl_Octagonal_Shape_mpz_class_t *dst*, ppl_const_Octagonal_Shape_mpz_class_t *src*) [related]

7.47.2.156 int ppl_Octagonal_Shape_mpz_class_add_recycled_constraints (ppl_Octagonal_Shape_mpz_class_t *ph*, ppl_Constraint_System_t *cs*) [related]

7.47.2.157 int ppl_Octagonal_Shape_mpz_class_add_recycled_congruences (ppl_Octagonal_Shape_mpz_class_t *ph*, ppl_Congruence_System_t *cs*) [related]

7.47.2.158 int ppl_termination_test_MS_Octagonal_Shape_mpz_class (ppl_const_Octagonal_Shape_mpz_class_t *pset*) [related]

7.47.2.159 int ppl_termination_test_PR_Octagonal_Shape_mpz_class (ppl_const_Octagonal_Shape_mpz_class_t *pset*) [related]

7.47.2.160 int ppl_one_affine_ranking_function_MS_Octagonal_Shape_mpz_class (ppl_const_Octagonal_Shape_mpz_class_t *pset*, ppl_Generator_t *point*) [related]

7.47.2.161 int ppl_one_affine_ranking_function_PR_Octagonal_Shape_mpz_class (ppl_const_Octagonal_Shape_mpz_class_t *pset*, ppl_Generator_t *point*) [related]

7.47.2.162 int ppl_all_affine_ranking_functions_MS_Octagonal_Shape_mpz_class (ppl_const_Octagonal_Shape_mpz_class_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.47.2.163 int ppl_all_affine_ranking_functions_PR_Octagonal_Shape_mpz_class (ppl_const_Octagonal_Shape_mpz_class_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.47.2.164 int ppl_termination_test_MS_Octagonal_Shape_mpz_class_2 (ppl_const_Octagonal_-Shape_mpz_class_t *pset_before*, ppl_const_Octagonal_Shape_mpz_class_t *pset_after*) [related]

7.47.2.165 int ppl_termination_test_PR_Octagonal_Shape_mpz_class_2 (ppl_const_Octagonal_-Shape_mpz_class_t *pset_before*, ppl_const_Octagonal_Shape_mpz_class_t *pset_after*) [related]

7.47.2.166 int ppl_one_affine_ranking_function_MS_Octagonal_Shape_mpz_class_2 (ppl_const_-Octagonal_Shape_mpz_class_t *pset_before*, ppl_const_Octagonal_Shape_mpz_class_t *pset_after*, ppl_Generator_t *point*) [related]

7.47.2.167 int ppl_one_affine_ranking_function_PR_Octagonal_Shape_mpz_class_2 (ppl_const_-Octagonal_Shape_mpz_class_t *pset_before*, ppl_const_Octagonal_Shape_mpz_class_t *pset_after*, ppl_Generator_t *point*) [related]

7.47.2.168 int ppl_all_affine_ranking_functions_MS_Octagonal_Shape_mpz_class_2 (ppl_const_-Octagonal_Shape_mpz_class_t *pset_before*, ppl_const_Octagonal_Shape_mpz_class_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.47.2.169 int ppl_all_affine_ranking_functions_PR_Octagonal_Shape_mpz_class_2 (ppl_const_-Octagonal_Shape_mpz_class_t *pset_before*, ppl_const_Octagonal_Shape_mpz_class_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.47.2.170 int ppl_io_print_Octagonal_Shape_mpz_class (ppl_const_Octagonal_Shape_mpz_-class_t *x*) [related]

7.47.2.171 int ppl_io_fprint_Octagonal_Shape_mpz_class (FILE * *stream*, ppl_const_Octagonal_Shape_mpz_class_t *x*) [related]

7.47.2.172 int ppl_io_asprint_Octagonal_Shape_mpz_class (char ** *strp*, ppl_const_Octagonal_Shape_mpz_class_t *x*) [related]

7.47.2.173 int ppl_Octagonal_Shape_mpz_class_ascii_dump (ppl_const_Octagonal_Shape_mpz_class_t *x*, FILE * *stream*) [related]

7.47.2.174 int ppl_Octagonal_Shape_mpz_class_ascii_load (ppl_Octagonal_Shape_mpz_class_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.48 ppl_PIP_Decision_Node_tag Interface Reference

Types and functions for PIP decision nodes.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_PIP_Decision_Node_get_child_node (ppl_const_PIP_Decision_Node_t pip_dec, int b, ppl_const_PIP_Tree_Node_t *pip_tree)

  Writes to `pip_tree` a const pointer to either the true branch (if `b` is not zero) or the false branch (if `b` is zero) of `pip_dec`.

Input/Output Functions

- int ppl_io_print_PIP_Decision_Node (ppl_const_PIP_Decision_Node_t x)

  Prints `x` to `stdout`.

- int ppl_io_fprint_PIP_Decision_Node (FILE *stream, ppl_const_PIP_Decision_Node_t x)

  Prints `x` to the given output `stream`.

- int ppl_io_asprint_PIP_Decision_Node (char **strp, ppl_const_PIP_Decision_Node_t x)

  Prints `x` to a malloc-allocated string, a pointer to which is returned via `strp`.

- int ppl_PIP_Decision_Node_ascii_dump (ppl_const_PIP_Decision_Node_t x, FILE *stream)

  Dumps an ascii representation of `x` on `stream`.

- int ppl_PIP_Decision_Node_ascii_load (ppl_PIP_Decision_Node_t x, FILE *stream)

  Loads an ascii representation of `x` from `stream`.

7.48.1 Detailed Description

Types and functions for PIP decision nodes. The types and functions for decision nodes provide an interface towards *PIP_Decision_Node*.

The documentation for this interface was generated from the following file:

- ppl_c.h

7.49 ppl_PIP_Problem_tag Interface Reference

Types and functions for PIP problems.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

Symbolic Constants

- int PPL_PIP_PROBLEM_STATUS_UNFEASIBLE
  Code of the "unfeasible PIP problem" status.
- int PPL_PIP_PROBLEM_STATUS_OPTIMIZED
  Code of the "optimized PIP problem" status.
- int PPL_PIP_PROBLEM_CONTROL_PARAMETER_NAME_CUTTING_STRATEGY
  Code for the PIP problem's "cutting strategy" control parameter name.
- int PPL_PIP_PROBLEM_CONTROL_PARAMETER_NAME_PIVOT_ROW_STRATEGY
  Code for the PIP problem's "pivot row strategy" control parameter name.
- int PPL_PIP_PROBLEM_CONTROL_PARAMETER_CUTTING_STRATEGY_FIRST
  Code of PIP problem's "first" cutting strategy.
- int PPL_PIP_PROBLEM_CONTROL_PARAMETER_CUTTING_STRATEGY_DEEPEST
  Code of PIP problem's "deepest" cutting strategy.
- int PPL_PIP_PROBLEM_CONTROL_PARAMETER_CUTTING_STRATEGY_ALL
  Code of PIP problem's "all" cutting strategy.
- int PPL_PIP_PROBLEM_CONTROL_PARAMETER_PIVOT_ROW_STRATEGY_FIRST
  Code of PIP problem's "first" pivot row strategy.
- int PPL_PIP_PROBLEM_CONTROL_PARAMETER_PIVOT_ROW_STRATEGY_MAX_COLUMN
  Code of PIP problem's "max column" pivot row strategy.

Constructors, Assignment and Destructor

- int ppl_new_PIP_Problem_from_space_dimension (ppl_PIP_Problem_t *ppip, ppl_dimension_type d)

Builds a trivial PIP problem of dimension `d` *and writes a handle to it at address* `ppip`.

- int ppl_new_PIP_Problem_from_PIP_Problem (ppl_PIP_Problem_t *ppip, ppl_const_PIP_Problem_t pip)

  Builds a PIP problem that is a copy of `pip`*; writes a handle for the newly created problem at address* `ppip`.

- int ppl_assign_PIP_Problem_from_PIP_Problem (ppl_PIP_Problem_t dst, ppl_const_PIP_Problem_t src)

  Assigns a copy of the PIP problem `src` *to* `dst`.

- int ppl_new_PIP_Problem_from_constraints (ppl_PIP_Problem_t *ppip, ppl_dimension_type d, ppl_Constraint_System_const_iterator_t first, ppl_Constraint_System_const_iterator_t last, size_t n, ppl_dimension_type ds[ ])

  Builds a PIP problem having space dimension `d` *from the sequence of constraints in the range* [first, last)*; the* `n` *dimensions whose indices occur in* `ds` *are interpreted as parameters.*

- int ppl_delete_PIP_Problem (ppl_const_PIP_Problem_t pip)

  Invalidates the handle `pip`*: this makes sure the corresponding resources will eventually be released.*

Functions that Do Not Modify the PIP_Problem

- int ppl_PIP_Problem_space_dimension (ppl_const_PIP_Problem_t pip, ppl_dimension_type *m)

  Writes to `m` *the dimension of the vector space enclosing* `pip`.

- int ppl_PIP_Problem_number_of_parameter_space_dimensions (ppl_const_PIP_Problem_t pip, ppl_dimension_type *m)

  Writes to `m` *the number of parameter space dimensions of* `pip`.

- int ppl_PIP_Problem_parameter_space_dimensions (ppl_const_PIP_Problem_t pip, ppl_dimension_type ds[ ])

  Writes in the first positions of the array `ds` *all the parameter space dimensions of problem* `pip`*. If the array is not big enough to hold all of the parameter space dimensions, the behavior is undefined.*

- int ppl_PIP_Problem_get_big_parameter_dimension (ppl_const_PIP_Problem_t pip, ppl_dimension_type *pd)

  Writes into `*pd` *the big parameter dimension of PIP problem* `pip`.

- int ppl_PIP_Problem_number_of_constraints (ppl_const_PIP_Problem_t pip, ppl_dimension_type *m)

  Writes to `m` *the number of constraints defining the feasible region of* `pip`.

- int ppl_PIP_Problem_constraint_at_index (ppl_const_PIP_Problem_t pip, ppl_dimension_type i, ppl_const_Constraint_t *pc)

  Writes at address `pc` *a const handle to the* `i-th` *constraint defining the feasible region of the PIP problem* `pip`.

- int ppl_PIP_Problem_total_memory_in_bytes (ppl_const_PIP_Problem_t pip, size_t *sz)

  Writes into `*sz` *the size in bytes of the memory occupied by* `pip`.

- int ppl_PIP_Problem_external_memory_in_bytes (ppl_const_PIP_Problem_t pip, size_t *sz)

  Writes into `*sz` *the size in bytes of the memory managed by* `pip`.

- int ppl_PIP_Problem_OK (ppl_const_PIP_Problem_t pip)

  Returns a positive integer if `pip` is well formed, i.e., if it satisfies all its implementation invariants; returns 0 and perhaps makes some noise if `pip` is broken. Useful for debugging purposes.

Functions that May Modify the PIP_Problem

- int ppl_PIP_Problem_clear (ppl_PIP_Problem_t pip)

  Resets the PIP problem to be a trivial problem of space dimension 0.

- int ppl_PIP_Problem_add_space_dimensions_and_embed (ppl_PIP_Problem_t pip, ppl_dimension_type pip_vars, ppl_dimension_type pip_params)

  Adds `pip_vars + pip_params` new space dimensions and embeds the PIP problem `pip` in the new vector space.

- int ppl_PIP_Problem_add_to_parameter_space_dimensions (ppl_PIP_Problem_t pip, ppl_dimension_type ds[ ], size_t n)

  Sets the space dimensions that are specified in first `n` positions of the array `ds` to be parameter dimensions of problem `pip`. The presence of duplicates in `ds` is a waste but an innocuous one.

- int ppl_PIP_Problem_set_big_parameter_dimension (ppl_PIP_Problem_t pip, ppl_dimension_type d)

  Sets the big parameter dimension of PIP problem `pip` to `d`.

- int ppl_PIP_Problem_add_constraint (ppl_PIP_Problem_t pip, ppl_const_Constraint_t c)

  Modifies the feasible region of the PIP problem `pip` by adding a copy of the constraint `c`.

- int ppl_PIP_Problem_add_constraints (ppl_PIP_Problem_t pip, ppl_const_Constraint_System_t cs)

  Modifies the feasible region of the PIP problem `pip` by adding a copy of the constraints in `cs`.

Computing and Printing the Solution of the PIP_Problem

- int ppl_PIP_Problem_is_satisfiable (ppl_const_PIP_Problem_t pip)

  Returns a positive integer if `pip` is satisfiable and an optimal solution can be found; returns 0 otherwise.

- int ppl_PIP_Problem_solve (ppl_const_PIP_Problem_t pip)

  Solves the PIP problem `pip`, returning an exit status.

- int ppl_PIP_Problem_solution (ppl_const_PIP_Problem_t pip, ppl_const_PIP_Tree_Node_t *pip_tree)

  Writes to `pip_tree` a solution for `pip`, if it exists.

- int ppl_PIP_Problem_optimizing_solution (ppl_const_PIP_Problem_t pip, ppl_const_PIP_Tree_Node_t *pip_tree)

  Writes to `pip_tree` an optimizing solution for `pip`, if it exists.

Querying/Setting Control Parameters

- int ppl_PIP_Problem_get_control_parameter (ppl_const_PIP_Problem_t pip, int name)

  Returns the value of control parameter `name` in problem `pip`.

- int ppl_PIP_Problem_set_control_parameter (ppl_PIP_Problem_t pip, int value)
  Sets control parameter `value` *in problem* `pip`.

Input/Output Functions

- int ppl_io_print_PIP_Problem (ppl_const_PIP_Problem_t x)
  Prints `x` *to* `stdout`.
- int ppl_io_fprint_PIP_Problem (FILE *stream, ppl_const_PIP_Problem_t x)
  Prints `x` *to the given output* `stream`.
- int ppl_io_asprint_PIP_Problem (char **strp, ppl_const_PIP_Problem_t x)
  Prints `x` *to a malloc-allocated string, a pointer to which is returned via* `strp`.
- int ppl_PIP_Problem_ascii_dump (ppl_const_PIP_Problem_t x, FILE *stream)
  Dumps an ascii representation of `x` *on* `stream`.
- int ppl_PIP_Problem_ascii_load (ppl_PIP_Problem_t x, FILE *stream)
  Loads an ascii representation of `x` *from* `stream`.

7.49.1 Detailed Description

Types and functions for PIP problems. The types and functions for PIP problems provide an interface towards *PIP_Problem*.

7.49.2 Friends And Related Function Documentation

7.49.2.1 int ppl_PIP_Problem_space_dimension (ppl_const_PIP_Problem_t *pip*, ppl_dimension_type * *m*) [related]

Writes to `m` the dimension of the vector space enclosing `pip`.

The vector space dimensions includes both the problem variables and the problem parameters, but they do not include the artificial parameters.

7.49.2.2 int ppl_PIP_Problem_add_space_dimensions_and_embed (ppl_PIP_Problem_t *pip*, ppl_dimension_type *pip_vars*, ppl_dimension_type *pip_params*) [related]

Adds `pip_vars + pip_params` new space dimensions and embeds the PIP problem `pip` in the new vector space.

Parameters

pip The PIP problem to be embedded in the new vector space.

pip_vars The number of space dimensions to add that are interpreted as PIP problem variables (i.e., non parameters). These are added *before* adding the `pip_params` parameters.

pip_params The number of space dimensions to add that are interpreted as PIP problem parameters. These are added *after* having added the `pip_vars` problem variables.

The new space dimensions will be those having the highest indexes in the new PIP problem; they are initially unconstrained.

7.49.2.3 int ppl_PIP_Problem_solve (ppl_const_PIP_Problem_t *pip*) [related]

Solves the PIP problem `pip`, returning an exit status.

Returns

`PPL_PIP_PROBLEM_STATUS_UNFEASIBLE` if the PIP problem is not satisfiable; `PPL_PIP_PROBLEM_STATUS_OPTIMIZED` if the PIP problem admits an optimal solution.

The documentation for this interface was generated from the following file:

- ppl_c.h

7.50 ppl_PIP_Solution_Node_tag Interface Reference

Types and functions for PIP solution nodes.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_PIP_Solution_Node_get_parametric_values (ppl_const_PIP_Solution_Node_t pip_sol, ppl_dimension_type var, ppl_const_Linear_Expression_t *le)

  Writes to `le` a const pointer to the parametric expression of the values of variable `var` in solution node `pip_sol`.

Input/Output Functions

- int ppl_io_print_PIP_Solution_Node (ppl_const_PIP_Solution_Node_t x)

  Prints `x` to `stdout`.

- int ppl_io_fprint_PIP_Solution_Node (FILE *stream, ppl_const_PIP_Solution_Node_t x)

  Prints `x` to the given output `stream`.

- int ppl_io_asprint_PIP_Solution_Node (char **strp, ppl_const_PIP_Solution_Node_t x)

  Prints `x` to a malloc-allocated string, a pointer to which is returned via `strp`.

- int ppl_PIP_Solution_Node_ascii_dump (ppl_const_PIP_Solution_Node_t x, FILE *stream)

  Dumps an ascii representation of `x` on `stream`.

- int ppl_PIP_Solution_Node_ascii_load (ppl_PIP_Solution_Node_t x, FILE *stream)

  Loads an ascii representation of `x` from `stream`.

7.50.1 Detailed Description

Types and functions for PIP solution nodes. The types and functions for solution nodes provide an interface towards *PIP_Solution_Node*.

7.50.2 Friends And Related Function Documentation

7.50.2.1 int ppl_PIP_Solution_Node_get_parametric_values (ppl_const_PIP_Solution_Node_t *pip_sol*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t * *le*) [related]

Writes to `le` a const pointer to the parametric expression of the values of variable `var` in solution node `pip_sol`.

The linear expression assigned to `le` will only refer to (problem or artificial) parameters.

Parameters

pip_sol The solution tree node.

var The variable which is queried about.

le The returned expression for variable `var`.

Returns

PPL_ERROR_INVALID_ARGUMENT Returned if `var` is dimension-incompatible with `*this` or if `var` is a problem parameter.

The documentation for this interface was generated from the following file:

- ppl_c.h

7.51 ppl_PIP_Tree_Node_tag Interface Reference

Types and functions for generic PIP tree nodes.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_PIP_Tree_Node_as_solution (ppl_const_PIP_Tree_Node_t spip_tree, ppl_const_PIP_Solution_Node_t *dpip_tree)

  Writes to `dpip_tree` the solution node if `spip_tree` is a solution node, and 0 otherwise.

- int ppl_PIP_Tree_Node_as_decision (ppl_const_PIP_Tree_Node_t spip_tree, ppl_const_PIP_Decision_Node_t *dpip_tree)

  Writes to `dpip_tree` the decision node if `spip_tree` is a decision node, and 0 otherwise.

- int ppl_PIP_Tree_Node_get_constraints (ppl_const_PIP_Tree_Node_t pip_tree, ppl_const_Constraint_System_t *pcs)

Writes to `pcs` the local system of parameter constraints at the pip tree node `pip_tree`.

- int ppl_PIP_Tree_Node_OK (ppl_const_PIP_Tree_Node_t pip)

  Returns a positive integer if `pip_tree` is well formed, i.e., if it satisfies all its implementation invariants; returns 0 and perhaps makes some noise if `pip_tree` is broken. Useful for debugging purposes.

- int ppl_PIP_Tree_Node_number_of_artificials (ppl_const_PIP_Tree_Node_t pip_tree, ppl_dimension_type *m)

  Writes to `m` the number of elements in the artificial parameter sequence in the pip tree node `pip_tree`.

- int ppl_PIP_Tree_Node_begin (ppl_const_PIP_Tree_Node_t pip_tree, ppl_Artificial_Parameter_Sequence_const_iterator_t pit)

  Assigns to `pit` a const iterator "pointing" to the beginning of the artificial parameter sequence in the pip tree node `pip_tree`.

- int ppl_PIP_Tree_Node_end (ppl_const_PIP_Tree_Node_t pip_tree, ppl_Artificial_Parameter_Sequence_const_iterator_t pit)

  Assigns to `pit` a const iterator "pointing" to the end of the artificial parameter sequence in the pip tree node `pip_tree`.

Input/Output Functions

- int ppl_io_print_PIP_Tree_Node (ppl_const_PIP_Tree_Node_t x)

  Prints `x` to `stdout`.

- int ppl_io_fprint_PIP_Tree_Node (FILE *stream, ppl_const_PIP_Tree_Node_t x)

  Prints `x` to the given output `stream`.

- int ppl_io_asprint_PIP_Tree_Node (char **strp, ppl_const_PIP_Tree_Node_t x)

  Prints `x` to a malloc-allocated string, a pointer to which is returned via `strp`.

- int ppl_PIP_Tree_Node_ascii_dump (ppl_const_PIP_Tree_Node_t x, FILE *stream)

  Dumps an ascii representation of `x` on `stream`.

- int ppl_PIP_Tree_Node_ascii_load (ppl_PIP_Tree_Node_t x, FILE *stream)

  Loads an ascii representation of `x` from `stream`.

7.51.1 Detailed Description

Types and functions for generic PIP tree nodes. The types and functions for tree nodes provide an interface towards *PIP_Tree_Node*.

The documentation for this interface was generated from the following file:

- ppl_c.h

7.52 ppl_Pointset_Powerset_BD_Shape_double_const_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_BD_Shape_double_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_BD_Shape_double_const_iterator (ppl_Pointset_Powerset_BD_-Shape_double_const_iterator_t *pit)
- int ppl_new_Pointset_Powerset_BD_Shape_double_const_iterator_from_const_iterator (ppl_-Pointset_Powerset_BD_Shape_double_const_iterator_t *px, ppl_const_Pointset_Powerset_BD_-Shape_double_const_iterator_t y)
- int ppl_Pointset_Powerset_BD_Shape_double_const_iterator_begin (ppl_const_Pointset_-Powerset_BD_Shape_double_t ps, ppl_Pointset_Powerset_BD_Shape_double_const_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_double_const_iterator_end (ppl_const_Pointset_Powerset_-BD_Shape_double_t ps, ppl_Pointset_Powerset_BD_Shape_double_const_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_double_const_iterator_equal_test (ppl_const_Pointset_-Powerset_BD_Shape_double_const_iterator_t x, ppl_const_Pointset_Powerset_BD_Shape_-double_const_iterator_t y)
- int ppl_Pointset_Powerset_BD_Shape_double_const_iterator_increment (ppl_Pointset_Powerset_-BD_Shape_double_const_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_double_const_iterator_decrement (ppl_Pointset_Powerset_-BD_Shape_double_const_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_double_const_iterator_dereference (ppl_const_Pointset_-Powerset_BD_Shape_double_const_iterator_t ps, ppl_const_BD_Shape_double_t *d)
- int ppl_delete_Pointset_Powerset_BD_Shape_double_const_iterator (ppl_const_Pointset_-Powerset_BD_Shape_double_const_iterator_t psit)

7.52.1 Detailed Description

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_BD_Shape_double_-tag.

7.52.2 Friends And Related Function Documentation

7.52.2.1 int ppl_new_Pointset_Powerset_BD_Shape_double_const_iterator (ppl_Pointset_Powerset_BD_Shape_double_const_iterator_t * *pit*) [related]

7.52.2.2 int ppl_new_Pointset_Powerset_BD_Shape_double_const_iterator_from_const_iterator (ppl_Pointset_Powerset_BD_Shape_double_const_iterator_t * *px*, ppl_const_Pointset_Powerset_BD_Shape_double_const_iterator_t *y*) [related]

7.52.2.3 int ppl_Pointset_Powerset_BD_Shape_double_const_iterator_begin (ppl_const_Pointset_Powerset_BD_Shape_double_t *ps*, ppl_Pointset_Powerset_BD_-Shape_double_const_iterator_t *psit*) [related]

7.52.2.4 int ppl_Pointset_Powerset_BD_Shape_double_const_iterator_end (ppl_const_Pointset_Powerset_BD_Shape_double_t *ps*, ppl_Pointset_Powerset_BD_Shape_double_const_iterator_t *psit*) [related]

7.52.2.5 int ppl_Pointset_Powerset_BD_Shape_double_const_iterator_equal_test (ppl_const_Pointset_Powerset_BD_Shape_double_const_iterator_t *x*, ppl_const_Pointset_Powerset_BD_Shape_double_const_iterator_t *y*) [related]

7.52.2.6 int ppl_Pointset_Powerset_BD_Shape_double_const_iterator_increment (ppl_Pointset_Powerset_BD_Shape_double_const_iterator_t *psit*) [related]

7.52.2.7 int ppl_Pointset_Powerset_BD_Shape_double_const_iterator_decrement (ppl_Pointset_Powerset_BD_Shape_double_const_iterator_t *psit*) [related]

7.52.2.8 int ppl_Pointset_Powerset_BD_Shape_double_const_iterator_dereference (ppl_const_Pointset_Powerset_BD_Shape_double_const_iterator_t *ps*, ppl_const_BD_Shape_double_t * *d*) [related]

7.52.2.9 int ppl_delete_Pointset_Powerset_BD_Shape_double_const_iterator (ppl_const_Pointset_Powerset_BD_Shape_double_const_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.53 ppl_Pointset_Powerset_BD_Shape_double_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_BD_Shape_double_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_BD_Shape_double_iterator (ppl_Pointset_Powerset_BD_Shape_double_iterator_t *pit)

- int ppl_new_Pointset_Powerset_BD_Shape_double_iterator_from_iterator (ppl_Pointset_Powerset_BD_Shape_double_iterator_t *px, ppl_const_Pointset_Powerset_BD_Shape_double_iterator_t y)
- int ppl_Pointset_Powerset_BD_Shape_double_iterator_begin (ppl_Pointset_Powerset_BD_Shape_double_t ps, ppl_Pointset_Powerset_BD_Shape_double_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_double_iterator_end (ppl_Pointset_Powerset_BD_Shape_double_t ps, ppl_Pointset_Powerset_BD_Shape_double_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_double_iterator_equal_test (ppl_const_Pointset_Powerset_BD_Shape_double_iterator_t x, ppl_const_Pointset_Powerset_BD_Shape_double_iterator_t y)
- int ppl_Pointset_Powerset_BD_Shape_double_iterator_increment (ppl_Pointset_Powerset_BD_Shape_double_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_double_iterator_decrement (ppl_Pointset_Powerset_BD_Shape_double_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_double_iterator_dereference (ppl_const_Pointset_Powerset_BD_Shape_double_iterator_t ps, ppl_const_BD_Shape_double_t *d)
- int ppl_delete_Pointset_Powerset_BD_Shape_double_iterator (ppl_const_Pointset_Powerset_BD_Shape_double_iterator_t psit)

7.53.1 Detailed Description

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_BD_Shape_double_tag.

7.53.2 Friends And Related Function Documentation

7.53.2.1 int ppl_new_Pointset_Powerset_BD_Shape_double_iterator (ppl_Pointset_Powerset_BD_Shape_double_iterator_t * *pit*) [related]

7.53.2.2 int ppl_new_Pointset_Powerset_BD_Shape_double_iterator_from_iterator (ppl_Pointset_Powerset_BD_Shape_double_iterator_t * *px*, ppl_const_Pointset_Powerset_BD_Shape_double_iterator_t *y*) [related]

7.53.2.3 int ppl_Pointset_Powerset_BD_Shape_double_iterator_begin (ppl_Pointset_Powerset_BD_Shape_double_t *ps*, ppl_Pointset_Powerset_BD_Shape_double_iterator_t *psit*) [related]

7.53.2.4 int ppl_Pointset_Powerset_BD_Shape_double_iterator_end (ppl_Pointset_Powerset_BD_Shape_double_t *ps*, ppl_Pointset_Powerset_BD_Shape_double_iterator_t *psit*) [related]

7.53.2.5 int ppl_Pointset_Powerset_BD_Shape_double_iterator_equal_test (ppl_const_Pointset_Powerset_BD_Shape_double_iterator_t *x*, ppl_const_Pointset_Powerset_BD_Shape_double_iterator_t *y*) [related]

7.53.2.6 int ppl_Pointset_Powerset_BD_Shape_double_iterator_increment (ppl_Pointset_Powerset_BD_Shape_double_iterator_t *psit*) [related]

7.53.2.7 int ppl_Pointset_Powerset_BD_Shape_double_iterator_decrement (ppl_Pointset_Powerset_BD_Shape_double_iterator_t *psit*) [related]

7.53.2.8 int ppl_Pointset_Powerset_BD_Shape_double_iterator_dereference (ppl_const_Pointset_Powerset_BD_Shape_double_iterator_t *ps*, ppl_const_BD_Shape_double_t * *d*) [related]

7.53.2.9 int ppl_delete_Pointset_Powerset_BD_Shape_double_iterator (ppl_const_Pointset_Powerset_BD_Shape_double_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.54 ppl_Pointset_Powerset_BD_Shape_double_tag Interface Reference

Types and functions for ppl_Pointset_Powerset_BD_Shape_double_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Pointset_Powerset_BD_Shape_double (ppl_const_Pointset_Powerset_BD_Shape_double_t ph)
- int ppl_new_Pointset_Powerset_BD_Shape_double_from_space_dimension (ppl_Pointset_Powerset_BD_Shape_double_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Pointset_Powerset_BD_Shape_double_from_Pointset_Powerset_BD_Shape_double (ppl_Pointset_Powerset_BD_Shape_double_t *pph, ppl_const_Pointset_Powerset_BD_Shape_double_t ph)
- int ppl_new_Pointset_Powerset_BD_Shape_double_from_BD_Shape_double (ppl_Pointset_Powerset_BD_Shape_double_t *pph, ppl_const_BD_Shape_double_t ph)

- int ppl_new_Pointset_Powerset_BD_Shape_double_from_Pointset_Powerset_BD_Shape_double_-with_complexity (ppl_Pointset_Powerset_BD_Shape_double_t *pph, ppl_const_Pointset_-Powerset_BD_Shape_double_t ph, int complexity)
- int ppl_new_Pointset_Powerset_BD_Shape_double_from_BD_Shape_double_with_complexity (ppl_Pointset_Powerset_BD_Shape_double_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_Pointset_Powerset_BD_Shape_double_from_Constraint_System (ppl_Pointset_-Powerset_BD_Shape_double_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Pointset_Powerset_BD_Shape_double_from_Congruence_System (ppl_Pointset_-Powerset_BD_Shape_double_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_double_space_dimension (ppl_const_Pointset_Powerset_-BD_Shape_double_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_BD_Shape_double_affine_dimension (ppl_const_Pointset_Powerset_-BD_Shape_double_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_BD_Shape_double_relation_with_Constraint (ppl_const_Pointset_-Powerset_BD_Shape_double_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_BD_Shape_double_relation_with_Generator (ppl_const_Pointset_-Powerset_BD_Shape_double_t ph, ppl_const_Generator_t c)
- int ppl_Pointset_Powerset_BD_Shape_double_relation_with_Congruence (ppl_const_Pointset_-Powerset_BD_Shape_double_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_BD_Shape_double_is_empty (ppl_const_Pointset_Powerset_BD_-Shape_double_t ph)
- int ppl_Pointset_Powerset_BD_Shape_double_is_universe (ppl_const_Pointset_Powerset_BD_-Shape_double_t ph)
- int ppl_Pointset_Powerset_BD_Shape_double_is_bounded (ppl_const_Pointset_Powerset_BD_-Shape_double_t ph)
- int ppl_Pointset_Powerset_BD_Shape_double_contains_integer_point (ppl_const_Pointset_-Powerset_BD_Shape_double_t ph)
- int ppl_Pointset_Powerset_BD_Shape_double_is_topologically_closed (ppl_const_Pointset_-Powerset_BD_Shape_double_t ph)
- int ppl_Pointset_Powerset_BD_Shape_double_is_discrete (ppl_const_Pointset_Powerset_BD_-Shape_double_t ph)
- int ppl_Pointset_Powerset_BD_Shape_double_topological_closure_assign (ppl_Pointset_-Powerset_BD_Shape_double_t ph)
- int ppl_Pointset_Powerset_BD_Shape_double_pairwise_reduce (ppl_Pointset_Powerset_BD_-Shape_double_t ph)
- int ppl_Pointset_Powerset_BD_Shape_double_omega_reduce (ppl_Pointset_Powerset_BD_-Shape_double_t ph)
- int ppl_Pointset_Powerset_BD_Shape_double_bounds_from_above (ppl_const_Pointset_-Powerset_BD_Shape_double_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_BD_Shape_double_bounds_from_below (ppl_const_Pointset_-Powerset_BD_Shape_double_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_BD_Shape_double_maximize (ppl_const_Pointset_Powerset_BD_-Shape_double_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_BD_Shape_double_minimize (ppl_const_Pointset_Powerset_BD_-Shape_double_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_BD_Shape_double_maximize_with_point (ppl_const_Pointset_-Powerset_BD_Shape_double_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)

- int ppl_Pointset_Powerset_BD_Shape_double_minimize_with_point (ppl_const_Pointset_Powerset_BD_Shape_double_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_BD_Shape_double_contains_Pointset_Powerset_BD_Shape_double (ppl_const_Pointset_Powerset_BD_Shape_double_t x, ppl_const_Pointset_Powerset_BD_Shape_double_t y)
- int ppl_Pointset_Powerset_BD_Shape_double_strictly_contains_Pointset_Powerset_BD_Shape_double (ppl_const_Pointset_Powerset_BD_Shape_double_t x, ppl_const_Pointset_Powerset_BD_Shape_double_t y)
- int ppl_Pointset_Powerset_BD_Shape_double_is_disjoint_from_Pointset_Powerset_BD_Shape_double (ppl_const_Pointset_Powerset_BD_Shape_double_t x, ppl_const_Pointset_Powerset_BD_Shape_double_t y)
- int ppl_Pointset_Powerset_BD_Shape_double_geometrically_covers_Pointset_Powerset_BD_Shape_double (ppl_const_Pointset_Powerset_BD_Shape_double_t x, ppl_const_Pointset_Powerset_BD_Shape_double_t y)
- int ppl_Pointset_Powerset_BD_Shape_double_geometrically_equals_Pointset_Powerset_BD_Shape_double (ppl_const_Pointset_Powerset_BD_Shape_double_t x, ppl_const_Pointset_Powerset_BD_Shape_double_t y)
- int ppl_Pointset_Powerset_BD_Shape_double_equals_Pointset_Powerset_BD_Shape_double (ppl_const_Pointset_Powerset_BD_Shape_double_t x, ppl_const_Pointset_Powerset_BD_Shape_double_t y)
- int ppl_Pointset_Powerset_BD_Shape_double_OK (ppl_const_Pointset_Powerset_BD_Shape_double_t ph)
- int ppl_Pointset_Powerset_BD_Shape_double_add_constraint (ppl_Pointset_Powerset_BD_Shape_double_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_BD_Shape_double_add_congruence (ppl_Pointset_Powerset_BD_Shape_double_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_BD_Shape_double_add_constraints (ppl_Pointset_Powerset_BD_Shape_double_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_double_add_congruences (ppl_Pointset_Powerset_BD_Shape_double_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_double_refine_with_constraint (ppl_Pointset_Powerset_BD_Shape_double_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_BD_Shape_double_refine_with_congruence (ppl_Pointset_Powerset_BD_Shape_double_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_BD_Shape_double_refine_with_constraints (ppl_Pointset_Powerset_BD_Shape_double_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_double_refine_with_congruences (ppl_Pointset_Powerset_BD_Shape_double_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_double_intersection_assign (ppl_Pointset_Powerset_BD_Shape_double_t x, ppl_const_Pointset_Powerset_BD_Shape_double_t y)
- int ppl_Pointset_Powerset_BD_Shape_double_upper_bound_assign (ppl_Pointset_Powerset_BD_Shape_double_t x, ppl_const_Pointset_Powerset_BD_Shape_double_t y)
- int ppl_Pointset_Powerset_BD_Shape_double_difference_assign (ppl_Pointset_Powerset_BD_Shape_double_t x, ppl_const_Pointset_Powerset_BD_Shape_double_t y)
- int ppl_Pointset_Powerset_BD_Shape_double_concatenate_assign (ppl_Pointset_Powerset_BD_Shape_double_t x, ppl_const_Pointset_Powerset_BD_Shape_double_t y)
- int ppl_Pointset_Powerset_BD_Shape_double_time_elapse_assign (ppl_Pointset_Powerset_BD_Shape_double_t x, ppl_const_Pointset_Powerset_BD_Shape_double_t y)
- int ppl_Pointset_Powerset_BD_Shape_double_upper_bound_assign_if_exact (ppl_Pointset_Powerset_BD_Shape_double_t x, ppl_const_Pointset_Powerset_BD_Shape_double_t y)

- int ppl_Pointset_Powerset_BD_Shape_double_simplify_using_context_assign (ppl_Pointset_Powerset_BD_Shape_double_t x, ppl_const_Pointset_Powerset_BD_Shape_double_t y)
- int ppl_Pointset_Powerset_BD_Shape_double_constrains (ppl_Pointset_Powerset_BD_Shape_double_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_BD_Shape_double_unconstrain_space_dimension (ppl_Pointset_Powerset_BD_Shape_double_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_BD_Shape_double_unconstrain_space_dimensions (ppl_Pointset_Powerset_BD_Shape_double_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_BD_Shape_double_affine_image (ppl_Pointset_Powerset_BD_Shape_double_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_double_affine_preimage (ppl_Pointset_Powerset_BD_Shape_double_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_double_bounded_affine_image (ppl_Pointset_Powerset_BD_Shape_double_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_double_bounded_affine_preimage (ppl_Pointset_Powerset_BD_Shape_double_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_double_generalized_affine_image (ppl_Pointset_Powerset_BD_Shape_double_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_double_generalized_affine_preimage (ppl_Pointset_Powerset_BD_Shape_double_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_double_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_BD_Shape_double_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_BD_Shape_double_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_BD_Shape_double_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_BD_Shape_double_add_space_dimensions_and_embed (ppl_Pointset_Powerset_BD_Shape_double_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_BD_Shape_double_add_space_dimensions_and_project (ppl_Pointset_Powerset_BD_Shape_double_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_BD_Shape_double_remove_space_dimensions (ppl_Pointset_Powerset_BD_Shape_double_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_BD_Shape_double_remove_higher_space_dimensions (ppl_Pointset_Powerset_BD_Shape_double_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_BD_Shape_double_expand_space_dimension (ppl_Pointset_Powerset_BD_Shape_double_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Pointset_Powerset_BD_Shape_double_fold_space_dimensions (ppl_Pointset_Powerset_BD_Shape_double_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Pointset_Powerset_BD_Shape_double_map_space_dimensions (ppl_Pointset_Powerset_BD_Shape_double_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Pointset_Powerset_BD_Shape_double_drop_some_non_integer_points (ppl_Pointset_Powerset_BD_Shape_double_t ph, int complexity)
- int ppl_Pointset_Powerset_BD_Shape_double_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_BD_Shape_double_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Pointset_Powerset_BD_Shape_double_external_memory_in_bytes (ppl_const_Pointset_Powerset_BD_Shape_double_t ps, size_t *sz)

- int ppl_Pointset_Powerset_BD_Shape_double_total_memory_in_bytes (ppl_const_Pointset_Powerset_BD_Shape_double_t ps, size_t *sz)
- int ppl_Pointset_Powerset_BD_Shape_double_size (ppl_const_Pointset_Powerset_BD_Shape_double_t ps, size_t *sz)
- int ppl_Pointset_Powerset_BD_Shape_double_add_disjunct (ppl_Pointset_Powerset_BD_Shape_double_t ps, ppl_const_BD_Shape_double_t d)
- int ppl_Pointset_Powerset_BD_Shape_double_drop_disjunct (ppl_Pointset_Powerset_BD_Shape_double_t ps, ppl_const_Pointset_Powerset_BD_Shape_double_iterator_t cit, ppl_Pointset_Powerset_BD_Shape_double_iterator_t it)
- int ppl_Pointset_Powerset_BD_Shape_double_drop_disjuncts (ppl_Pointset_Powerset_BD_Shape_double_t ps, ppl_const_Pointset_Powerset_BD_Shape_double_iterator_t first, ppl_const_Pointset_Powerset_BD_Shape_double_iterator_t last)
- int ppl_Pointset_Powerset_BD_Shape_double_BHZ03_H79_BHMZ05_widening_assign (ppl_Pointset_Powerset_BD_Shape_double_t x, ppl_const_Pointset_Powerset_BD_Shape_double_t y)
- int ppl_Pointset_Powerset_BD_Shape_double_BHZ03_H79_H79_widening_assign (ppl_Pointset_Powerset_BD_Shape_double_t x, ppl_const_Pointset_Powerset_BD_Shape_double_t y)
- int ppl_Pointset_Powerset_BD_Shape_double_BGP99_BHMZ05_extrapolation_assign (ppl_Pointset_Powerset_BD_Shape_double_t x, ppl_const_Pointset_Powerset_BD_Shape_double_t y, int disjuncts)
- int ppl_Pointset_Powerset_BD_Shape_double_BGP99_H79_extrapolation_assign (ppl_Pointset_Powerset_BD_Shape_double_t x, ppl_const_Pointset_Powerset_BD_Shape_double_t y, int disjuncts)
- int ppl_io_print_Pointset_Powerset_BD_Shape_double (ppl_const_Pointset_Powerset_BD_Shape_double_t x)
- int ppl_io_fprint_Pointset_Powerset_BD_Shape_double (FILE *stream, ppl_const_Pointset_Powerset_BD_Shape_double_t x)
- int ppl_io_asprint_Pointset_Powerset_BD_Shape_double (char **strp, ppl_const_Pointset_Powerset_BD_Shape_double_t x)
- int ppl_Pointset_Powerset_BD_Shape_double_ascii_dump (ppl_const_Pointset_Powerset_BD_Shape_double_t x, FILE *stream)
- int ppl_Pointset_Powerset_BD_Shape_double_ascii_load (ppl_Pointset_Powerset_BD_Shape_double_t x, FILE *stream)

7.54.1 Detailed Description

Types and functions for ppl_Pointset_Powerset_BD_Shape_double_tag.

7.54.2 Friends And Related Function Documentation

7.54.2.1 int ppl_delete_Pointset_Powerset_BD_Shape_double (ppl_const_Pointset_Powerset_BD_Shape_double_t *ph*) [related]

7.54.2.2 int ppl_new_Pointset_Powerset_BD_Shape_double_from_space_dimension (ppl_Pointset_Powerset_BD_Shape_double_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.54.2.3 int ppl_new_Pointset_Powerset_BD_Shape_double_from_Pointset_Powerset_BD_Shape_double (ppl_Pointset_Powerset_BD_Shape_double_t * *pph*, ppl_const_Pointset_Powerset_BD_Shape_double_t *ph*) [related]

7.54.2.4 int ppl_new_Pointset_Powerset_BD_Shape_double_from_BD_Shape_double (ppl_Pointset_Powerset_BD_Shape_double_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.54.2.5 int ppl_new_Pointset_Powerset_BD_Shape_double_from_Pointset_Powerset_BD_Shape_double_with_complexity (ppl_Pointset_Powerset_BD_Shape_double_t * *pph*, ppl_const_Pointset_Powerset_BD_Shape_double_t *ph*, int *complexity*) [related]

7.54.2.6 int ppl_new_Pointset_Powerset_BD_Shape_double_from_BD_Shape_double_with_complexity (ppl_Pointset_Powerset_BD_Shape_double_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.54.2.7 int ppl_new_Pointset_Powerset_BD_Shape_double_from_Constraint_System (ppl_Pointset_Powerset_BD_Shape_double_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.54.2.8 int ppl_new_Pointset_Powerset_BD_Shape_double_from_Congruence_System (ppl_Pointset_Powerset_BD_Shape_double_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.54.2.9 int ppl_Pointset_Powerset_BD_Shape_double_space_dimension (ppl_const_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_dimension_type * *m*) [related]

7.54.2.10 int ppl_Pointset_Powerset_BD_Shape_double_affine_dimension (ppl_const_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_dimension_type * *m*) [related]

7.54.2.11 int ppl_Pointset_Powerset_BD_Shape_double_relation_with_Constraint (ppl_const_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_const_Constraint_t *c*) [related]

7.54.2.12 int ppl_Pointset_Powerset_BD_Shape_double_relation_with_Generator (ppl_const_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_const_Generator_t *c*) [related]

7.54.2.13 int ppl_Pointset_Powerset_BD_Shape_double_relation_with_Congruence (ppl_const_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_const_Congruence_t *c*) [related]

7.54.2.14 int ppl_Pointset_Powerset_BD_Shape_double_is_empty (ppl_const_Pointset_Powerset_BD_Shape_double_t *ph*) [related]

7.54.2.15 int ppl_Pointset_Powerset_BD_Shape_double_is_universe (ppl_const_Pointset_Powerset_BD_Shape_double_t *ph*) [related]

7.54.2.16 int ppl_Pointset_Powerset_BD_Shape_double_is_bounded (ppl_const_Pointset_Powerset_BD_Shape_double_t *ph*) [related]

7.54.2.17 int ppl_Pointset_Powerset_BD_Shape_double_contains_integer_point (ppl_const_Pointset_Powerset_BD_Shape_double_t *ph*) [related]

7.54.2.18 int ppl_Pointset_Powerset_BD_Shape_double_is_topologically_closed (ppl_const_Pointset_Powerset_BD_Shape_double_t *ph*) [related]

7.54.2.19 int ppl_Pointset_Powerset_BD_Shape_double_is_discrete (ppl_const_Pointset_Powerset_BD_Shape_double_t *ph*) [related]

7.54.2.20 int ppl_Pointset_Powerset_BD_Shape_double_topological_closure_assign (ppl_Pointset_Powerset_BD_Shape_double_t *ph*) [related]

7.54.2.21 int ppl_Pointset_Powerset_BD_Shape_double_pairwise_reduce (ppl_Pointset_Powerset_BD_Shape_double_t *ph*) [related]

7.54.2.22 int ppl_Pointset_Powerset_BD_Shape_double_omega_reduce (ppl_Pointset_Powerset_BD_Shape_double_t *ph*) [related]

7.54.2.23 int ppl_Pointset_Powerset_BD_Shape_double_bounds_from_above (ppl_const_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.54.2.24 int ppl_Pointset_Powerset_BD_Shape_double_bounds_from_below (ppl_const_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.54.2.25 int ppl_Pointset_Powerset_BD_Shape_double_maximize (ppl_const_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.54.2.26 int ppl_Pointset_Powerset_BD_Shape_double_minimize (ppl_const_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.54.2.27 int ppl_Pointset_Powerset_BD_Shape_double_maximize_with_point (ppl_const_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.54.2.28 int ppl_Pointset_Powerset_BD_Shape_double_minimize_with_point (ppl_const_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.54.2.29 int ppl_Pointset_Powerset_BD_Shape_double_contains_Pointset_Powerset_BD_Shape_double (ppl_const_Pointset_Powerset_BD_Shape_double_t *x*, ppl_const_Pointset_Powerset_BD_Shape_double_t *y*) [related]

7.54.2.30 int ppl_Pointset_Powerset_BD_Shape_double_strictly_contains_Pointset_Powerset_BD_Shape_double (ppl_const_Pointset_Powerset_BD_Shape_double_t *x*, ppl_const_Pointset_Powerset_BD_Shape_double_t *y*) [related]

7.54.2.31 int ppl_Pointset_Powerset_BD_Shape_double_is_disjoint_from_Pointset_Powerset_BD_Shape_double (ppl_const_Pointset_Powerset_BD_Shape_double_t *x*, ppl_const_Pointset_Powerset_BD_Shape_double_t *y*) [related]

7.54.2.32 int ppl_Pointset_Powerset_BD_Shape_double_geometrically_covers_Pointset_Powerset_BD_Shape_double (ppl_const_Pointset_Powerset_BD_Shape_double_t *x*, ppl_const_Pointset_Powerset_BD_Shape_double_t *y*) [related]

7.54.2.33 int ppl_Pointset_Powerset_BD_Shape_double_geometrically_equals_Pointset_Powerset_BD_Shape_double (ppl_const_Pointset_Powerset_BD_Shape_double_t *x*, ppl_const_Pointset_Powerset_BD_Shape_double_t *y*) [related]

7.54.2.34 int ppl_Pointset_Powerset_BD_Shape_double_equals_Pointset_Powerset_BD_Shape_double (ppl_const_Pointset_Powerset_BD_Shape_double_t *x*, ppl_const_Pointset_Powerset_BD_Shape_double_t *y*) [related]

7.54.2.35 int ppl_Pointset_Powerset_BD_Shape_double_OK (ppl_const_Pointset_Powerset_BD_Shape_double_t *ph*) [related]

7.54.2.36 int ppl_Pointset_Powerset_BD_Shape_double_add_constraint (ppl_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_const_Constraint_t *c*) [related]

7.54.2.37 int ppl_Pointset_Powerset_BD_Shape_double_add_congruence (ppl_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_const_Congruence_t *c*) [related]

7.54.2.38 int ppl_Pointset_Powerset_BD_Shape_double_add_constraints (ppl_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.54.2.39 int ppl_Pointset_Powerset_BD_Shape_double_add_congruences (ppl_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.54.2.40 int ppl_Pointset_Powerset_BD_Shape_double_refine_with_constraint (ppl_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_const_Constraint_t *c*) [related]

7.54.2.41 int ppl_Pointset_Powerset_BD_Shape_double_refine_with_congruence (ppl_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_const_Congruence_t *c*) [related]

7.54.2.42 int ppl_Pointset_Powerset_BD_Shape_double_refine_with_constraints (ppl_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.54.2.43 int ppl_Pointset_Powerset_BD_Shape_double_refine_with_congruences (ppl_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.54.2.44 int ppl_Pointset_Powerset_BD_Shape_double_intersection_assign (ppl_Pointset_-Powerset_BD_Shape_double_t *x*, ppl_const_Pointset_Powerset_BD_Shape_double_t *y*) [related]

7.54.2.45 int ppl_Pointset_Powerset_BD_Shape_double_upper_bound_assign (ppl_Pointset_-Powerset_BD_Shape_double_t *x*, ppl_const_Pointset_Powerset_BD_Shape_double_t *y*) [related]

7.54.2.46 int ppl_Pointset_Powerset_BD_Shape_double_difference_assign (ppl_Pointset_-Powerset_BD_Shape_double_t *x*, ppl_const_Pointset_Powerset_BD_Shape_double_t *y*) [related]

7.54.2.47 int ppl_Pointset_Powerset_BD_Shape_double_concatenate_assign (ppl_Pointset_-Powerset_BD_Shape_double_t *x*, ppl_const_Pointset_Powerset_BD_Shape_double_t *y*) [related]

7.54.2.48 int ppl_Pointset_Powerset_BD_Shape_double_time_elapse_assign (ppl_Pointset_-Powerset_BD_Shape_double_t *x*, ppl_const_Pointset_Powerset_BD_Shape_double_t *y*) [related]

7.54.2.49 int ppl_Pointset_Powerset_BD_Shape_double_upper_bound_assign_if_exact (ppl_Pointset_Powerset_BD_Shape_double_t *x*, ppl_const_Pointset_Powerset_BD_-Shape_double_t *y*) [related]

7.54.2.50 int ppl_Pointset_Powerset_BD_Shape_double_simplify_using_context_assign (ppl_Pointset_Powerset_BD_Shape_double_t *x*, ppl_const_Pointset_Powerset_BD_-Shape_double_t *y*) [related]

7.54.2.51 int ppl_Pointset_Powerset_BD_Shape_double_constrains (ppl_-Pointset_Powerset_BD_Shape_double_t *ph*, ppl_dimension_type *var*) [related]

7.54.2.52 int ppl_Pointset_Powerset_BD_Shape_double_unconstrain_space_dimension (ppl_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_dimension_type *var*) [related]

7.54.2.53 int ppl_Pointset_Powerset_BD_Shape_double_unconstrain_space_dimensions (ppl_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.54.2.54 int ppl_Pointset_Powerset_BD_Shape_double_affine_image (ppl_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.54.2.55 int ppl_Pointset_Powerset_BD_Shape_double_affine_preimage (ppl_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.54.2.56 int ppl_Pointset_Powerset_BD_Shape_double_bounded_affine_image (ppl_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.54.2.57 int ppl_Pointset_Powerset_BD_Shape_double_bounded_affine_preimage (ppl_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.54.2.58 int ppl_Pointset_Powerset_BD_Shape_double_generalized_affine_image (ppl_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.54.2.59 **int ppl_Pointset_Powerset_BD_Shape_double_generalized_affine_preimage (ppl_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*)** `[related]`

7.54.2.60 **int ppl_Pointset_Powerset_BD_Shape_double_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*)** `[related]`

7.54.2.61 **int ppl_Pointset_Powerset_BD_Shape_double_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*)** `[related]`

7.54.2.62 **int ppl_Pointset_Powerset_BD_Shape_double_add_space_dimensions_and_embed (ppl_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_dimension_type *d*)** `[related]`

7.54.2.63 **int ppl_Pointset_Powerset_BD_Shape_double_add_space_dimensions_and_project (ppl_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_dimension_type *d*)** `[related]`

7.54.2.64 **int ppl_Pointset_Powerset_BD_Shape_double_remove_space_dimensions (ppl_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*)** `[related]`

7.54.2.65 **int ppl_Pointset_Powerset_BD_Shape_double_remove_higher_space_dimensions (ppl_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_dimension_type *d*)** `[related]`

7.54.2.66 **int ppl_Pointset_Powerset_BD_Shape_double_expand_space_dimension (ppl_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*)** `[related]`

7.54.2.67 int ppl_Pointset_Powerset_BD_Shape_double_fold_space_dimensions (ppl_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.54.2.68 int ppl_Pointset_Powerset_BD_Shape_double_map_space_dimensions (ppl_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.54.2.69 int ppl_Pointset_Powerset_BD_Shape_double_drop_some_non_integer_points (ppl_Pointset_Powerset_BD_Shape_double_t *ph*, int *complexity*) [related]

7.54.2.70 int ppl_Pointset_Powerset_BD_Shape_double_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_BD_Shape_double_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.54.2.71 int ppl_Pointset_Powerset_BD_Shape_double_external_memory_in_bytes (ppl_const_Pointset_Powerset_BD_Shape_double_t *ps*, size_t * *sz*) [related]

7.54.2.72 int ppl_Pointset_Powerset_BD_Shape_double_total_memory_in_bytes (ppl_const_Pointset_Powerset_BD_Shape_double_t *ps*, size_t * *sz*) [related]

7.54.2.73 int ppl_Pointset_Powerset_BD_Shape_double_size (ppl_const_Pointset_Powerset_BD_Shape_double_t *ps*, size_t * *sz*) [related]

7.54.2.74 int ppl_Pointset_Powerset_BD_Shape_double_add_disjunct (ppl_Pointset_Powerset_BD_Shape_double_t *ps*, ppl_const_BD_Shape_double_t *d*) [related]

7.54.2.75 int ppl_Pointset_Powerset_BD_Shape_double_drop_disjunct (ppl_Pointset_Powerset_BD_Shape_double_t *ps*, ppl_const_Pointset_Powerset_BD_Shape_double_iterator_t *cit*, ppl_Pointset_Powerset_BD_Shape_double_iterator_t *it*) [related]

7.54.2.76 int ppl_Pointset_Powerset_BD_Shape_double_drop_disjuncts (ppl_Pointset_Powerset_BD_Shape_double_t *ps*, ppl_const_Pointset_Powerset_BD_Shape_double_iterator_t *first*, ppl_const_Pointset_Powerset_BD_Shape_double_iterator_t *last*) [related]

7.54.2.77 int ppl_Pointset_Powerset_BD_Shape_double_BHZ03_H79_BHMZ05_widening_assign (ppl_Pointset_Powerset_BD_Shape_double_t *x*, ppl_const_Pointset_Powerset_BD_Shape_double_t *y*) [related]

7.54.2.78 int ppl_Pointset_Powerset_BD_Shape_double_BHZ03_H79_H79_widening_assign (ppl_Pointset_Powerset_BD_Shape_double_t *x*, ppl_const_Pointset_Powerset_BD_Shape_double_t *y*) [related]

7.54.2.79 int ppl_Pointset_Powerset_BD_Shape_double_BGP99_BHMZ05_extrapolation_assign (ppl_Pointset_Powerset_BD_Shape_double_t *x*, ppl_const_Pointset_Powerset_BD_Shape_double_t *y*, int *disjuncts*) [related]

7.54.2.80 int ppl_Pointset_Powerset_BD_Shape_double_BGP99_H79_extrapolation_assign (ppl_Pointset_Powerset_BD_Shape_double_t *x*, ppl_const_Pointset_Powerset_BD_Shape_double_t *y*, int *disjuncts*) [related]

7.54.2.81 int ppl_io_print_Pointset_Powerset_BD_Shape_double (ppl_const_Pointset_Powerset_BD_Shape_double_t *x*) [related]

7.54.2.82 int ppl_io_fprint_Pointset_Powerset_BD_Shape_double (FILE * *stream*, ppl_const_Pointset_Powerset_BD_Shape_double_t *x*) [related]

7.54.2.83 int ppl_io_asprint_Pointset_Powerset_BD_Shape_double (char ** *strp*, ppl_const_Pointset_Powerset_BD_Shape_double_t *x*) [related]

7.54.2.84 int ppl_Pointset_Powerset_BD_Shape_double_ascii_dump (ppl_const_Pointset_Powerset_BD_Shape_double_t *x*, FILE * *stream*) [related]

7.54.2.85 int ppl_Pointset_Powerset_BD_Shape_double_ascii_load (ppl_Pointset_Powerset_BD_Shape_double_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.55 ppl_Pointset_Powerset_BD_Shape_float_const_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_BD_Shape_float_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_BD_Shape_float_const_iterator (ppl_Pointset_Powerset_BD_Shape_float_const_iterator_t *pit)
- int ppl_new_Pointset_Powerset_BD_Shape_float_const_iterator_from_const_iterator (ppl_Pointset_Powerset_BD_Shape_float_const_iterator_t *px, ppl_const_Pointset_Powerset_BD_Shape_float_const_iterator_t y)
- int ppl_Pointset_Powerset_BD_Shape_float_const_iterator_begin (ppl_const_Pointset_Powerset_BD_Shape_float_t ps, ppl_Pointset_Powerset_BD_Shape_float_const_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_float_const_iterator_end (ppl_const_Pointset_Powerset_BD_Shape_float_t ps, ppl_Pointset_Powerset_BD_Shape_float_const_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_float_const_iterator_equal_test (ppl_const_Pointset_Powerset_BD_Shape_float_const_iterator_t x, ppl_const_Pointset_Powerset_BD_Shape_float_const_iterator_t y)
- int ppl_Pointset_Powerset_BD_Shape_float_const_iterator_increment (ppl_Pointset_Powerset_BD_Shape_float_const_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_float_const_iterator_decrement (ppl_Pointset_Powerset_BD_Shape_float_const_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_float_const_iterator_dereference (ppl_const_Pointset_Powerset_BD_Shape_float_const_iterator_t ps, ppl_const_BD_Shape_float_t *d)
- int ppl_delete_Pointset_Powerset_BD_Shape_float_const_iterator (ppl_const_Pointset_Powerset_BD_Shape_float_const_iterator_t psit)

7.55.1 Detailed Description

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_BD_Shape_float_tag.

7.55.2 Friends And Related Function Documentation

7.55.2.1 int ppl_new_Pointset_Powerset_BD_Shape_float_const_iterator (ppl_Pointset_Powerset_BD_Shape_float_const_iterator_t * *pit*) [related]

7.55.2.2 int ppl_new_Pointset_Powerset_BD_Shape_float_const_iterator_from_const_iterator (ppl_Pointset_Powerset_BD_Shape_float_const_iterator_t * *px*, ppl_const_Pointset_Powerset_BD_Shape_float_const_iterator_t *y*) [related]

7.55.2.3 int ppl_Pointset_Powerset_BD_Shape_float_const_iterator_begin (ppl_const_Pointset_Powerset_BD_Shape_float_t *ps*, ppl_Pointset_Powerset_BD_-Shape_float_const_iterator_t *psit*) [related]

7.55.2.4 int ppl_Pointset_Powerset_BD_Shape_float_const_iterator_end (ppl_const_Pointset_Powerset_BD_Shape_float_t *ps*, ppl_Pointset_Powerset_BD_-Shape_float_const_iterator_t *psit*) [related]

7.55.2.5 int ppl_Pointset_Powerset_BD_Shape_float_const_iterator_equal_test (ppl_const_Pointset_Powerset_BD_Shape_float_const_iterator_t *x*, ppl_const_Pointset_Powerset_BD_Shape_float_const_iterator_t *y*) [related]

7.55.2.6 int ppl_Pointset_Powerset_BD_Shape_float_const_iterator_increment (ppl_Pointset_Powerset_BD_Shape_float_const_iterator_t *psit*) [related]

7.55.2.7 int ppl_Pointset_Powerset_BD_Shape_float_const_iterator_decrement (ppl_Pointset_Powerset_BD_Shape_float_const_iterator_t *psit*) [related]

7.55.2.8 int ppl_Pointset_Powerset_BD_Shape_float_const_iterator_dereference (ppl_const_Pointset_Powerset_BD_Shape_float_const_iterator_t *ps*, ppl_const_BD_Shape_float_t * *d*) [related]

7.55.2.9 int ppl_delete_Pointset_Powerset_BD_Shape_float_const_iterator (ppl_const_Pointset_Powerset_BD_Shape_float_const_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.56 ppl_Pointset_Powerset_BD_Shape_float_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_BD_Shape_float_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_BD_Shape_float_iterator (ppl_Pointset_Powerset_BD_Shape_float_iterator_t *pit)
- int ppl_new_Pointset_Powerset_BD_Shape_float_iterator_from_iterator (ppl_Pointset_Powerset_BD_Shape_float_iterator_t *px, ppl_const_Pointset_Powerset_BD_Shape_float_iterator_t y)
- int ppl_Pointset_Powerset_BD_Shape_float_iterator_begin (ppl_Pointset_Powerset_BD_Shape_float_t ps, ppl_Pointset_Powerset_BD_Shape_float_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_float_iterator_end (ppl_Pointset_Powerset_BD_Shape_float_t ps, ppl_Pointset_Powerset_BD_Shape_float_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_float_iterator_equal_test (ppl_const_Pointset_Powerset_BD_Shape_float_iterator_t x, ppl_const_Pointset_Powerset_BD_Shape_float_iterator_t y)
- int ppl_Pointset_Powerset_BD_Shape_float_iterator_increment (ppl_Pointset_Powerset_BD_Shape_float_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_float_iterator_decrement (ppl_Pointset_Powerset_BD_Shape_float_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_float_iterator_dereference (ppl_const_Pointset_Powerset_BD_Shape_float_iterator_t ps, ppl_const_BD_Shape_float_t *d)
- int ppl_delete_Pointset_Powerset_BD_Shape_float_iterator (ppl_const_Pointset_Powerset_BD_Shape_float_iterator_t psit)

7.56.1 Detailed Description

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_BD_Shape_float_tag.

7.56.2 Friends And Related Function Documentation

7.56.2.1 int ppl_new_Pointset_Powerset_BD_Shape_float_iterator (ppl_Pointset_Powerset_BD_Shape_float_iterator_t * *pit*) [related]

7.56.2.2 int ppl_new_Pointset_Powerset_BD_Shape_float_iterator_from_iterator (ppl_Pointset_Powerset_BD_Shape_float_iterator_t * *px*, ppl_const_Pointset_Powerset_BD_Shape_float_iterator_t *y*) [related]

7.56.2.3 int ppl_Pointset_Powerset_BD_Shape_float_iterator_begin (ppl_Pointset_Powerset_BD_Shape_float_t *ps*, ppl_Pointset_Powerset_BD_Shape_float_iterator_t *psit*) [related]

7.56.2.4 int ppl_Pointset_Powerset_BD_Shape_float_iterator_end (ppl_Pointset_Powerset_BD_Shape_float_t *ps*, ppl_Pointset_Powerset_BD_Shape_float_iterator_t *psit*) [related]

7.56.2.5 int ppl_Pointset_Powerset_BD_Shape_float_iterator_equal_test (ppl_const_Pointset_Powerset_BD_Shape_float_iterator_t *x*, ppl_const_Pointset_Powerset_BD_Shape_float_iterator_t *y*) [related]

7.56.2.6 int ppl_Pointset_Powerset_BD_Shape_float_iterator_increment (ppl_Pointset_Powerset_BD_Shape_float_iterator_t *psit*) [related]

7.56.2.7 int ppl_Pointset_Powerset_BD_Shape_float_iterator_decrement (ppl_Pointset_Powerset_BD_Shape_float_iterator_t *psit*) [related]

7.56.2.8 int ppl_Pointset_Powerset_BD_Shape_float_iterator_dereference (ppl_const_Pointset_Powerset_BD_Shape_float_iterator_t *ps*, ppl_const_BD_Shape_float_t * *d*) [related]

7.56.2.9 int ppl_delete_Pointset_Powerset_BD_Shape_float_iterator (ppl_const_Pointset_Powerset_BD_Shape_float_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.57 ppl_Pointset_Powerset_BD_Shape_float_tag Interface Reference

Types and functions for ppl_Pointset_Powerset_BD_Shape_float_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Pointset_Powerset_BD_Shape_float (ppl_const_Pointset_Powerset_BD_Shape_float_t ph)
- int ppl_new_Pointset_Powerset_BD_Shape_float_from_space_dimension (ppl_Pointset_Powerset_BD_Shape_float_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Pointset_Powerset_BD_Shape_float_from_Pointset_Powerset_BD_Shape_float (ppl_Pointset_Powerset_BD_Shape_float_t *pph, ppl_const_Pointset_Powerset_BD_Shape_float_t ph)
- int ppl_new_Pointset_Powerset_BD_Shape_float_from_BD_Shape_float (ppl_Pointset_Powerset_BD_Shape_float_t *pph, ppl_const_BD_Shape_float_t ph)
- int ppl_new_Pointset_Powerset_BD_Shape_float_from_Pointset_Powerset_BD_Shape_float_with_complexity (ppl_Pointset_Powerset_BD_Shape_float_t *pph, ppl_const_Pointset_Powerset_BD_Shape_float_t ph, int complexity)
- int ppl_new_Pointset_Powerset_BD_Shape_float_from_BD_Shape_float_with_complexity (ppl_Pointset_Powerset_BD_Shape_float_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)
- int ppl_new_Pointset_Powerset_BD_Shape_float_from_Constraint_System (ppl_Pointset_Powerset_BD_Shape_float_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Pointset_Powerset_BD_Shape_float_from_Congruence_System (ppl_Pointset_Powerset_BD_Shape_float_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_float_space_dimension (ppl_const_Pointset_Powerset_BD_Shape_float_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_BD_Shape_float_affine_dimension (ppl_const_Pointset_Powerset_BD_Shape_float_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_BD_Shape_float_relation_with_Constraint (ppl_const_Pointset_Powerset_BD_Shape_float_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_BD_Shape_float_relation_with_Generator (ppl_const_Pointset_Powerset_BD_Shape_float_t ph, ppl_const_Generator_t c)
- int ppl_Pointset_Powerset_BD_Shape_float_relation_with_Congruence (ppl_const_Pointset_Powerset_BD_Shape_float_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_BD_Shape_float_is_empty (ppl_const_Pointset_Powerset_BD_Shape_float_t ph)
- int ppl_Pointset_Powerset_BD_Shape_float_is_universe (ppl_const_Pointset_Powerset_BD_Shape_float_t ph)
- int ppl_Pointset_Powerset_BD_Shape_float_is_bounded (ppl_const_Pointset_Powerset_BD_Shape_float_t ph)

- int ppl_Pointset_Powerset_BD_Shape_float_contains_integer_point (ppl_const_Pointset_Powerset_BD_Shape_float_t ph)
- int ppl_Pointset_Powerset_BD_Shape_float_is_topologically_closed (ppl_const_Pointset_Powerset_BD_Shape_float_t ph)
- int ppl_Pointset_Powerset_BD_Shape_float_is_discrete (ppl_const_Pointset_Powerset_BD_Shape_float_t ph)
- int ppl_Pointset_Powerset_BD_Shape_float_topological_closure_assign (ppl_Pointset_Powerset_BD_Shape_float_t ph)
- int ppl_Pointset_Powerset_BD_Shape_float_pairwise_reduce (ppl_Pointset_Powerset_BD_Shape_float_t ph)
- int ppl_Pointset_Powerset_BD_Shape_float_omega_reduce (ppl_Pointset_Powerset_BD_Shape_float_t ph)
- int ppl_Pointset_Powerset_BD_Shape_float_bounds_from_above (ppl_const_Pointset_Powerset_BD_Shape_float_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_BD_Shape_float_bounds_from_below (ppl_const_Pointset_Powerset_BD_Shape_float_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_BD_Shape_float_maximize (ppl_const_Pointset_Powerset_BD_Shape_float_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_BD_Shape_float_minimize (ppl_const_Pointset_Powerset_BD_Shape_float_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_BD_Shape_float_maximize_with_point (ppl_const_Pointset_Powerset_BD_Shape_float_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_BD_Shape_float_minimize_with_point (ppl_const_Pointset_Powerset_BD_Shape_float_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_BD_Shape_float_contains_Pointset_Powerset_BD_Shape_float (ppl_const_Pointset_Powerset_BD_Shape_float_t x, ppl_const_Pointset_Powerset_BD_Shape_float_t y)
- int ppl_Pointset_Powerset_BD_Shape_float_strictly_contains_Pointset_Powerset_BD_Shape_float (ppl_const_Pointset_Powerset_BD_Shape_float_t x, ppl_const_Pointset_Powerset_BD_Shape_float_t y)
- int ppl_Pointset_Powerset_BD_Shape_float_is_disjoint_from_Pointset_Powerset_BD_Shape_float (ppl_const_Pointset_Powerset_BD_Shape_float_t x, ppl_const_Pointset_Powerset_BD_Shape_float_t y)
- int ppl_Pointset_Powerset_BD_Shape_float_geometrically_covers_Pointset_Powerset_BD_Shape_float (ppl_const_Pointset_Powerset_BD_Shape_float_t x, ppl_const_Pointset_Powerset_BD_Shape_float_t y)
- int ppl_Pointset_Powerset_BD_Shape_float_geometrically_equals_Pointset_Powerset_BD_Shape_float (ppl_const_Pointset_Powerset_BD_Shape_float_t x, ppl_const_Pointset_Powerset_BD_Shape_float_t y)
- int ppl_Pointset_Powerset_BD_Shape_float_equals_Pointset_Powerset_BD_Shape_float (ppl_const_Pointset_Powerset_BD_Shape_float_t x, ppl_const_Pointset_Powerset_BD_Shape_float_t y)
- int ppl_Pointset_Powerset_BD_Shape_float_OK (ppl_const_Pointset_Powerset_BD_Shape_float_t ph)
- int ppl_Pointset_Powerset_BD_Shape_float_add_constraint (ppl_Pointset_Powerset_BD_Shape_float_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_BD_Shape_float_add_congruence (ppl_Pointset_Powerset_BD_Shape_float_t ph, ppl_const_Congruence_t c)

- int ppl_Pointset_Powerset_BD_Shape_float_add_constraints (ppl_Pointset_Powerset_BD_Shape_-float_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_float_add_congruences (ppl_Pointset_Powerset_BD_-Shape_float_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_float_refine_with_constraint (ppl_Pointset_Powerset_BD_-Shape_float_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_BD_Shape_float_refine_with_congruence (ppl_Pointset_Powerset_-BD_Shape_float_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_BD_Shape_float_refine_with_constraints (ppl_Pointset_Powerset_BD_-Shape_float_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_float_refine_with_congruences (ppl_Pointset_Powerset_-BD_Shape_float_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_float_intersection_assign (ppl_Pointset_Powerset_BD_-Shape_float_t x, ppl_const_Pointset_Powerset_BD_Shape_float_t y)
- int ppl_Pointset_Powerset_BD_Shape_float_upper_bound_assign (ppl_Pointset_Powerset_BD_-Shape_float_t x, ppl_const_Pointset_Powerset_BD_Shape_float_t y)
- int ppl_Pointset_Powerset_BD_Shape_float_difference_assign (ppl_Pointset_Powerset_BD_-Shape_float_t x, ppl_const_Pointset_Powerset_BD_Shape_float_t y)
- int ppl_Pointset_Powerset_BD_Shape_float_concatenate_assign (ppl_Pointset_Powerset_BD_-Shape_float_t x, ppl_const_Pointset_Powerset_BD_Shape_float_t y)
- int ppl_Pointset_Powerset_BD_Shape_float_time_elapse_assign (ppl_Pointset_Powerset_BD_-Shape_float_t x, ppl_const_Pointset_Powerset_BD_Shape_float_t y)
- int ppl_Pointset_Powerset_BD_Shape_float_upper_bound_assign_if_exact (ppl_Pointset_-Powerset_BD_Shape_float_t x, ppl_const_Pointset_Powerset_BD_Shape_float_t y)
- int ppl_Pointset_Powerset_BD_Shape_float_simplify_using_context_assign (ppl_Pointset_-Powerset_BD_Shape_float_t x, ppl_const_Pointset_Powerset_BD_Shape_float_t y)
- int ppl_Pointset_Powerset_BD_Shape_float_constrains (ppl_Pointset_Powerset_BD_Shape_float_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_BD_Shape_float_unconstrain_space_dimension (ppl_Pointset_-Powerset_BD_Shape_float_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_BD_Shape_float_unconstrain_space_dimensions (ppl_Pointset_-Powerset_BD_Shape_float_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_BD_Shape_float_affine_image (ppl_Pointset_Powerset_BD_Shape_-float_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_float_affine_preimage (ppl_Pointset_Powerset_BD_Shape_-float_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_float_bounded_affine_image (ppl_Pointset_Powerset_BD_-Shape_float_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_-Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_float_bounded_affine_preimage (ppl_Pointset_Powerset_-BD_Shape_float_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_-Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_float_generalized_affine_image (ppl_Pointset_Powerset_-BD_Shape_float_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_-const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_float_generalized_affine_preimage (ppl_Pointset_-Powerset_BD_Shape_float_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_float_generalized_affine_image_lhs_rhs (ppl_Pointset_-Powerset_BD_Shape_float_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_-Type relsym, ppl_const_Linear_Expression_t rhs)

- int ppl_Pointset_Powerset_BD_Shape_float_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_BD_Shape_float_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_BD_Shape_float_add_space_dimensions_and_embed (ppl_Pointset_Powerset_BD_Shape_float_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_BD_Shape_float_add_space_dimensions_and_project (ppl_Pointset_Powerset_BD_Shape_float_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_BD_Shape_float_remove_space_dimensions (ppl_Pointset_Powerset_BD_Shape_float_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_BD_Shape_float_remove_higher_space_dimensions (ppl_Pointset_Powerset_BD_Shape_float_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_BD_Shape_float_expand_space_dimension (ppl_Pointset_Powerset_BD_Shape_float_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Pointset_Powerset_BD_Shape_float_fold_space_dimensions (ppl_Pointset_Powerset_BD_Shape_float_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Pointset_Powerset_BD_Shape_float_map_space_dimensions (ppl_Pointset_Powerset_BD_Shape_float_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Pointset_Powerset_BD_Shape_float_drop_some_non_integer_points (ppl_Pointset_Powerset_BD_Shape_float_t ph, int complexity)
- int ppl_Pointset_Powerset_BD_Shape_float_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_BD_Shape_float_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Pointset_Powerset_BD_Shape_float_external_memory_in_bytes (ppl_const_Pointset_Powerset_BD_Shape_float_t ps, size_t *sz)
- int ppl_Pointset_Powerset_BD_Shape_float_total_memory_in_bytes (ppl_const_Pointset_Powerset_BD_Shape_float_t ps, size_t *sz)
- int ppl_Pointset_Powerset_BD_Shape_float_size (ppl_const_Pointset_Powerset_BD_Shape_float_t ps, size_t *sz)
- int ppl_Pointset_Powerset_BD_Shape_float_add_disjunct (ppl_Pointset_Powerset_BD_Shape_float_t ps, ppl_const_BD_Shape_float_t d)
- int ppl_Pointset_Powerset_BD_Shape_float_drop_disjunct (ppl_Pointset_Powerset_BD_Shape_float_t ps, ppl_const_Pointset_Powerset_BD_Shape_float_iterator_t cit, ppl_Pointset_Powerset_BD_Shape_float_iterator_t it)
- int ppl_Pointset_Powerset_BD_Shape_float_drop_disjuncts (ppl_Pointset_Powerset_BD_Shape_float_t ps, ppl_const_Pointset_Powerset_BD_Shape_float_iterator_t first, ppl_const_Pointset_Powerset_BD_Shape_float_iterator_t last)
- int ppl_Pointset_Powerset_BD_Shape_float_BHZ03_H79_BHMZ05_widening_assign (ppl_Pointset_Powerset_BD_Shape_float_t x, ppl_const_Pointset_Powerset_BD_Shape_float_t y)
- int ppl_Pointset_Powerset_BD_Shape_float_BHZ03_H79_H79_widening_assign (ppl_Pointset_Powerset_BD_Shape_float_t x, ppl_const_Pointset_Powerset_BD_Shape_float_t y)
- int ppl_Pointset_Powerset_BD_Shape_float_BGP99_BHMZ05_extrapolation_assign (ppl_Pointset_Powerset_BD_Shape_float_t x, ppl_const_Pointset_Powerset_BD_Shape_float_t y, int disjuncts)
- int ppl_Pointset_Powerset_BD_Shape_float_BGP99_H79_extrapolation_assign (ppl_Pointset_Powerset_BD_Shape_float_t x, ppl_const_Pointset_Powerset_BD_Shape_float_t y, int disjuncts)
- int ppl_io_print_Pointset_Powerset_BD_Shape_float (ppl_const_Pointset_Powerset_BD_Shape_float_t x)
- int ppl_io_fprint_Pointset_Powerset_BD_Shape_float (FILE *stream, ppl_const_Pointset_Powerset_BD_Shape_float_t x)
- int ppl_io_asprint_Pointset_Powerset_BD_Shape_float (char **strp, ppl_const_Pointset_Powerset_BD_Shape_float_t x)
- int ppl_Pointset_Powerset_BD_Shape_float_ascii_dump (ppl_const_Pointset_Powerset_BD_Shape_float_t x, FILE *stream)

- int ppl_Pointset_Powerset_BD_Shape_float_ascii_load (ppl_Pointset_Powerset_BD_Shape_float_t x, FILE *stream)

7.57.1 Detailed Description

Types and functions for ppl_Pointset_Powerset_BD_Shape_float_tag.

7.57.2 Friends And Related Function Documentation

7.57.2.1 int ppl_delete_Pointset_Powerset_BD_Shape_float (ppl_const_Pointset_Powerset_BD_Shape_float_t *ph*) [related]

7.57.2.2 int ppl_new_Pointset_Powerset_BD_Shape_float_from_space_dimension (ppl_Pointset_Powerset_BD_Shape_float_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.57.2.3 int ppl_new_Pointset_Powerset_BD_Shape_float_from_Pointset_Powerset_BD_Shape_float (ppl_Pointset_Powerset_BD_Shape_float_t * *pph*, ppl_const_Pointset_Powerset_BD_Shape_float_t *ph*) [related]

7.57.2.4 int ppl_new_Pointset_Powerset_BD_Shape_float_from_BD_Shape_float (ppl_Pointset_Powerset_BD_Shape_float_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.57.2.5 int ppl_new_Pointset_Powerset_BD_Shape_float_from_Pointset_Powerset_BD_Shape_float_with_complexity (ppl_Pointset_Powerset_BD_Shape_float_t * *pph*, ppl_const_Pointset_Powerset_BD_Shape_float_t *ph*, int *complexity*) [related]

7.57.2.6 int ppl_new_Pointset_Powerset_BD_Shape_float_from_BD_Shape_float_with_complexity (ppl_Pointset_Powerset_BD_Shape_float_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.57.2.7 int ppl_new_Pointset_Powerset_BD_Shape_float_from_Constraint_System (ppl_Pointset_Powerset_BD_Shape_float_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.57.2.8 int ppl_new_Pointset_Powerset_BD_Shape_float_from_Congruence_System (ppl_Pointset_Powerset_BD_Shape_float_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.57.2.9 int ppl_Pointset_Powerset_BD_Shape_float_space_dimension (ppl_const_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_dimension_type * *m*) [related]

7.57.2.10 int ppl_Pointset_Powerset_BD_Shape_float_affine_dimension (ppl_const_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_dimension_type * *m*) [related]

7.57.2.11 int ppl_Pointset_Powerset_BD_Shape_float_relation_with_Constraint (ppl_const_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_const_Constraint_t *c*) [related]

7.57.2.12 int ppl_Pointset_Powerset_BD_Shape_float_relation_with_Generator (ppl_const_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_const_Generator_t *c*) [related]

7.57.2.13 int ppl_Pointset_Powerset_BD_Shape_float_relation_with_Congruence (ppl_const_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_const_Congruence_t *c*) [related]

7.57.2.14 int ppl_Pointset_Powerset_BD_Shape_float_is_empty (ppl_const_Pointset_Powerset_BD_Shape_float_t *ph*) [related]

7.57.2.15 int ppl_Pointset_Powerset_BD_Shape_float_is_universe (ppl_const_Pointset_Powerset_BD_Shape_float_t *ph*) [related]

7.57.2.16 int ppl_Pointset_Powerset_BD_Shape_float_is_bounded (ppl_const_Pointset_Powerset_BD_Shape_float_t *ph*) [related]

7.57.2.17 int ppl_Pointset_Powerset_BD_Shape_float_contains_integer_point (ppl_const_Pointset_Powerset_BD_Shape_float_t *ph*) [related]

7.57.2.18 int ppl_Pointset_Powerset_BD_Shape_float_is_topologically_closed (ppl_const_Pointset_Powerset_BD_Shape_float_t *ph*) [related]

7.57.2.19 int ppl_Pointset_Powerset_BD_Shape_float_is_discrete (ppl_const_Pointset_Powerset_BD_Shape_float_t *ph*) [related]

7.57.2.20 int ppl_Pointset_Powerset_BD_Shape_float_topological_closure_assign (ppl_Pointset_Powerset_BD_Shape_float_t *ph*) [related]

7.57.2.21 int ppl_Pointset_Powerset_BD_Shape_float_pairwise_reduce (ppl_Pointset_Powerset_BD_Shape_float_t *ph*) [related]

7.57.2.22 int ppl_Pointset_Powerset_BD_Shape_float_omega_reduce (ppl_Pointset_Powerset_BD_Shape_float_t *ph*) [related]

7.57.2.23 int ppl_Pointset_Powerset_BD_Shape_float_bounds_from_above (ppl_const_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.57.2.24 int ppl_Pointset_Powerset_BD_Shape_float_bounds_from_below (ppl_const_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.57.2.25 int ppl_Pointset_Powerset_BD_Shape_float_maximize (ppl_const_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.57.2.26 int ppl_Pointset_Powerset_BD_Shape_float_minimize (ppl_const_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.57.2.27 int ppl_Pointset_Powerset_BD_Shape_float_maximize_with_point (ppl_const_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.57.2.28 int ppl_Pointset_Powerset_BD_Shape_float_minimize_with_point (ppl_const_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.57.2.29 int ppl_Pointset_Powerset_BD_Shape_float_contains_Pointset_Powerset_BD_Shape_float (ppl_const_Pointset_Powerset_BD_Shape_float_t *x*, ppl_const_Pointset_Powerset_BD_Shape_float_t *y*) [related]

7.57.2.30 int ppl_Pointset_Powerset_BD_Shape_float_strictly_contains_Pointset_Powerset_BD_Shape_float (ppl_const_Pointset_Powerset_BD_Shape_float_t *x*, ppl_const_Pointset_Powerset_BD_Shape_float_t *y*) [related]

7.57.2.31 int ppl_Pointset_Powerset_BD_Shape_float_is_disjoint_from_Pointset_Powerset_BD_Shape_float (ppl_const_Pointset_Powerset_BD_Shape_float_t *x*, ppl_const_Pointset_Powerset_BD_Shape_float_t *y*) [related]

7.57.2.32 int ppl_Pointset_Powerset_BD_Shape_float_geometrically_covers_Pointset_Powerset_BD_Shape_float (ppl_const_Pointset_Powerset_BD_Shape_float_t *x*, ppl_const_Pointset_Powerset_BD_Shape_float_t *y*) [related]

7.57.2.33 int ppl_Pointset_Powerset_BD_Shape_float_geometrically_equals_Pointset_Powerset_BD_Shape_float (ppl_const_Pointset_Powerset_BD_Shape_float_t *x*, ppl_const_Pointset_Powerset_BD_Shape_float_t *y*) [related]

7.57.2.34 int ppl_Pointset_Powerset_BD_Shape_float_equals_Pointset_Powerset_BD_Shape_float (ppl_const_Pointset_Powerset_BD_Shape_float_t *x*, ppl_const_Pointset_Powerset_BD_Shape_float_t *y*) [related]

7.57.2.35 int ppl_Pointset_Powerset_BD_Shape_float_OK (ppl_const_Pointset_Powerset_BD_Shape_float_t *ph*) [related]

7.57.2.36 int ppl_Pointset_Powerset_BD_Shape_float_add_constraint (ppl_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_const_Constraint_t *c*) [related]

7.57.2.37 int ppl_Pointset_Powerset_BD_Shape_float_add_congruence (ppl_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_const_Congruence_t *c*) [related]

7.57.2.38 int ppl_Pointset_Powerset_BD_Shape_float_add_constraints (ppl_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.57.2.39 int ppl_Pointset_Powerset_BD_Shape_float_add_congruences (ppl_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.57.2.40 int ppl_Pointset_Powerset_BD_Shape_float_refine_with_constraint (ppl_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_const_Constraint_t *c*) [related]

7.57.2.41 int ppl_Pointset_Powerset_BD_Shape_float_refine_with_congruence (ppl_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_const_Congruence_t *c*) [related]

7.57.2.42 int ppl_Pointset_Powerset_BD_Shape_float_refine_with_constraints (ppl_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.57.2.43 int ppl_Pointset_Powerset_BD_Shape_float_refine_with_congruences (ppl_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.57.2.44 int ppl_Pointset_Powerset_BD_Shape_float_intersection_assign (ppl_Pointset_-Powerset_BD_Shape_float_t *x*, ppl_const_Pointset_Powerset_BD_Shape_float_t *y*) [related]

7.57.2.45 int ppl_Pointset_Powerset_BD_Shape_float_upper_bound_assign (ppl_Pointset_-Powerset_BD_Shape_float_t *x*, ppl_const_Pointset_Powerset_BD_Shape_float_t *y*) [related]

7.57.2.46 int ppl_Pointset_Powerset_BD_Shape_float_difference_assign (ppl_Pointset_-Powerset_BD_Shape_float_t *x*, ppl_const_Pointset_Powerset_BD_Shape_float_t *y*) [related]

7.57.2.47 int ppl_Pointset_Powerset_BD_Shape_float_concatenate_assign (ppl_Pointset_-Powerset_BD_Shape_float_t *x*, ppl_const_Pointset_Powerset_BD_Shape_float_t *y*) [related]

7.57.2.48 int ppl_Pointset_Powerset_BD_Shape_float_time_elapse_assign (ppl_Pointset_Powerset_BD_Shape_float_t *x*, ppl_const_Pointset_Powerset_BD_Shape_float_t *y*) [related]

7.57.2.49 int ppl_Pointset_Powerset_BD_Shape_float_upper_bound_assign_if_exact (ppl_Pointset_Powerset_BD_Shape_float_t *x*, ppl_const_Pointset_Powerset_BD_Shape_float_t *y*) [related]

7.57.2.50 int ppl_Pointset_Powerset_BD_Shape_float_simplify_using_context_assign (ppl_Pointset_Powerset_BD_Shape_float_t *x*, ppl_const_Pointset_Powerset_BD_Shape_float_t *y*) [related]

7.57.2.51 int ppl_Pointset_Powerset_BD_Shape_float_constrains (ppl_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_dimension_type *var*) [related]

7.57.2.52 int ppl_Pointset_Powerset_BD_Shape_float_unconstrain_space_dimension (ppl_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_dimension_type *var*) [related]

7.57.2.53 int ppl_Pointset_Powerset_BD_Shape_float_unconstrain_space_dimensions (ppl_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.57.2.54 int ppl_Pointset_Powerset_BD_Shape_float_affine_image (ppl_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.57.2.55 int ppl_Pointset_Powerset_BD_Shape_float_affine_preimage (ppl_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.57.2.56 int ppl_Pointset_Powerset_BD_Shape_float_bounded_affine_image (ppl_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.57.2.57 int ppl_Pointset_Powerset_BD_Shape_float_bounded_affine_preimage (ppl_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.57.2.58 int ppl_Pointset_Powerset_BD_Shape_float_generalized_affine_image (ppl_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.57.2.59 int ppl_Pointset_Powerset_BD_Shape_float_generalized_affine_preimage (ppl_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.57.2.60 int ppl_Pointset_Powerset_BD_Shape_float_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.57.2.61 int ppl_Pointset_Powerset_BD_Shape_float_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.57.2.62 int ppl_Pointset_Powerset_BD_Shape_float_add_space_dimensions_and_embed (ppl_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_dimension_type *d*) [related]

7.57.2.63 int ppl_Pointset_Powerset_BD_Shape_float_add_space_dimensions_and_project (ppl_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_dimension_type *d*) [related]

7.57.2.64 int ppl_Pointset_Powerset_BD_Shape_float_remove_space_dimensions (ppl_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.57.2.65 int ppl_Pointset_Powerset_BD_Shape_float_remove_higher_space_dimensions (ppl_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_dimension_type *d*) [related]

7.57.2.66 int ppl_Pointset_Powerset_BD_Shape_float_expand_space_dimension (ppl_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.57.2.67 int ppl_Pointset_Powerset_BD_Shape_float_fold_space_dimensions (ppl_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.57.2.68 int ppl_Pointset_Powerset_BD_Shape_float_map_space_dimensions (ppl_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.57.2.69 int ppl_Pointset_Powerset_BD_Shape_float_drop_some_non_integer_points (ppl_Pointset_Powerset_BD_Shape_float_t *ph*, int *complexity*) [related]

7.57.2.70 int ppl_Pointset_Powerset_BD_Shape_float_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_BD_Shape_float_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.57.2.71 int ppl_Pointset_Powerset_BD_Shape_float_external_memory_in_bytes (ppl_const_Pointset_Powerset_BD_Shape_float_t *ps*, size_t * *sz*) [related]

7.57.2.72 int ppl_Pointset_Powerset_BD_Shape_float_total_memory_in_bytes (ppl_const_Pointset_Powerset_BD_Shape_float_t *ps*, size_t * *sz*) [related]

7.57.2.73 int ppl_Pointset_Powerset_BD_Shape_float_size (ppl_const_Pointset_Powerset_BD_Shape_float_t *ps*, size_t * *sz*) [related]

7.57.2.74 int ppl_Pointset_Powerset_BD_Shape_float_add_disjunct (ppl_Pointset_Powerset_BD_Shape_float_t *ps*, ppl_const_BD_Shape_float_t *d*) [related]

7.57.2.75 int ppl_Pointset_Powerset_BD_Shape_float_drop_disjunct (ppl_Pointset_Powerset_BD_Shape_float_t *ps*, ppl_const_Pointset_Powerset_BD_Shape_float_iterator_t *cit*, ppl_Pointset_Powerset_BD_Shape_float_iterator_t *it*) [related]

7.57.2.76 int ppl_Pointset_Powerset_BD_Shape_float_drop_disjuncts (ppl_Pointset_Powerset_BD_Shape_float_t *ps*, ppl_const_Pointset_Powerset_BD_Shape_float_iterator_t *first*, ppl_const_Pointset_Powerset_BD_Shape_float_iterator_t *last*) [related]

7.57.2.77 int ppl_Pointset_Powerset_BD_Shape_float_BHZ03_H79_BHMZ05_widening_assign (ppl_Pointset_Powerset_BD_Shape_float_t *x*, ppl_const_Pointset_Powerset_BD_Shape_float_t *y*) [related]

7.57.2.78 int ppl_Pointset_Powerset_BD_Shape_float_BHZ03_H79_H79_widening_assign (ppl_Pointset_Powerset_BD_Shape_float_t *x*, ppl_const_Pointset_Powerset_BD_Shape_float_t *y*) [related]

7.57.2.79 int ppl_Pointset_Powerset_BD_Shape_float_BGP99_BHMZ05_-extrapolation_assign (ppl_Pointset_Powerset_BD_Shape_float_t *x*, ppl_const_Pointset_Powerset_BD_Shape_float_t *y*, int *disjuncts*) [related]

7.57.2.80 int ppl_Pointset_Powerset_BD_Shape_float_BGP99_H79_extrapolation_assign (ppl_Pointset_Powerset_BD_Shape_float_t *x*, ppl_const_Pointset_Powerset_BD_-Shape_float_t *y*, int *disjuncts*) [related]

7.57.2.81 int ppl_io_print_Pointset_Powerset_BD_Shape_float (ppl_const_Pointset_Powerset_-BD_Shape_float_t *x*) [related]

7.57.2.82 int ppl_io_fprint_Pointset_Powerset_BD_Shape_float (FILE * *stream*, ppl_const_Pointset_Powerset_BD_Shape_float_t *x*) [related]

7.57.2.83 int ppl_io_asprint_Pointset_Powerset_BD_Shape_float (char ** *strp*, ppl_const_Pointset_Powerset_BD_Shape_float_t *x*) [related]

7.57.2.84 int ppl_Pointset_Powerset_BD_Shape_float_ascii_dump (ppl_const_Pointset_Powerset_-BD_Shape_float_t *x*, FILE * *stream*) [related]

7.57.2.85 int ppl_Pointset_Powerset_BD_Shape_float_ascii_load (ppl_Pointset_Powerset_BD_-Shape_float_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.58 ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_BD_Shape_int16_t_-tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_BD_Shape_int16_t_const_iterator (ppl_Pointset_Powerset_BD_-Shape_int16_t_const_iterator_t *pit)
- int ppl_new_Pointset_Powerset_BD_Shape_int16_t_const_iterator_from_const_iterator (ppl_-Pointset_Powerset_BD_Shape_int16_t_const_iterator_t *px, ppl_const_Pointset_Powerset_BD_-Shape_int16_t_const_iterator_t y)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_begin (ppl_const_Pointset_-Powerset_BD_Shape_int16_t_t ps, ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_end (ppl_const_Pointset_Powerset_-BD_Shape_int16_t_t ps, ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_equal_test (ppl_const_Pointset_-Powerset_BD_Shape_int16_t_const_iterator_t x, ppl_const_Pointset_Powerset_BD_Shape_int16_-t_const_iterator_t y)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_increment (ppl_Pointset_Powerset_-BD_Shape_int16_t_const_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_decrement (ppl_Pointset_Powerset_-BD_Shape_int16_t_const_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_dereference (ppl_const_Pointset_-Powerset_BD_Shape_int16_t_const_iterator_t ps, ppl_const_BD_Shape_int16_t_t *d)
- int ppl_delete_Pointset_Powerset_BD_Shape_int16_t_const_iterator (ppl_const_Pointset_-Powerset_BD_Shape_int16_t_const_iterator_t psit)

7.58.1 Detailed Description

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_BD_Shape_int16_t_-tag.

7.58.2 Friends And Related Function Documentation

7.58.2.1 int ppl_new_Pointset_Powerset_BD_Shape_int16_t_const_iterator (ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_t * *pit*) [related]

7.58.2.2 int ppl_new_Pointset_Powerset_BD_Shape_int16_t_const_iterator_from_const_iterator (ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_t * *px*, ppl_const_Pointset_Powerset_BD_Shape_int16_t_const_iterator_t *y*) [related]

7.58.2.3 int ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_begin (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *ps*, ppl_Pointset_Powerset_BD_-Shape_int16_t_const_iterator_t *psit*) [related]

7.58.2.4 int ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_end (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *ps*, ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_t *psit*) [related]

7.58.2.5 int ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_equal_test (ppl_const_Pointset_Powerset_BD_Shape_int16_t_const_iterator_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int16_t_const_iterator_t *y*) [related]

7.58.2.6 int ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_increment (ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_t *psit*) [related]

7.58.2.7 int ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_decrement (ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_t *psit*) [related]

7.58.2.8 int ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_dereference (ppl_const_Pointset_Powerset_BD_Shape_int16_t_const_iterator_t *ps*, ppl_const_BD_Shape_int16_t_t * *d*) [related]

7.58.2.9 int ppl_delete_Pointset_Powerset_BD_Shape_int16_t_const_iterator (ppl_const_Pointset_Powerset_BD_Shape_int16_t_const_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.59 ppl_Pointset_Powerset_BD_Shape_int16_t_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_BD_Shape_int16_t_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_BD_Shape_int16_t_iterator (ppl_Pointset_Powerset_BD_Shape_int16_t_iterator_t *pit)

- int ppl_new_Pointset_Powerset_BD_Shape_int16_t_iterator_from_iterator (ppl_Pointset_Powerset_BD_Shape_int16_t_iterator_t *px, ppl_const_Pointset_Powerset_BD_Shape_int16_t_iterator_t y)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_iterator_begin (ppl_Pointset_Powerset_BD_Shape_int16_t_t ps, ppl_Pointset_Powerset_BD_Shape_int16_t_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_iterator_end (ppl_Pointset_Powerset_BD_Shape_int16_t_t ps, ppl_Pointset_Powerset_BD_Shape_int16_t_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_iterator_equal_test (ppl_const_Pointset_Powerset_BD_Shape_int16_t_iterator_t x, ppl_const_Pointset_Powerset_BD_Shape_int16_t_iterator_t y)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_iterator_increment (ppl_Pointset_Powerset_BD_Shape_int16_t_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_iterator_decrement (ppl_Pointset_Powerset_BD_Shape_int16_t_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_iterator_dereference (ppl_const_Pointset_Powerset_BD_Shape_int16_t_iterator_t ps, ppl_const_BD_Shape_int16_t_t *d)
- int ppl_delete_Pointset_Powerset_BD_Shape_int16_t_iterator (ppl_const_Pointset_Powerset_BD_Shape_int16_t_iterator_t psit)

7.59.1 Detailed Description

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_BD_Shape_int16_t_tag.

7.59.2 Friends And Related Function Documentation

7.59.2.1 int ppl_new_Pointset_Powerset_BD_Shape_int16_t_iterator (ppl_Pointset_Powerset_BD_Shape_int16_t_iterator_t * *pit*) [related]

7.59.2.2 int ppl_new_Pointset_Powerset_BD_Shape_int16_t_iterator_from_iterator (ppl_Pointset_Powerset_BD_Shape_int16_t_iterator_t * *px*, ppl_const_Pointset_Powerset_BD_Shape_int16_t_iterator_t *y*) [related]

7.59.2.3 int ppl_Pointset_Powerset_BD_Shape_int16_t_iterator_begin (ppl_Pointset_Powerset_BD_Shape_int16_t_t *ps*, ppl_Pointset_Powerset_BD_Shape_int16_t_iterator_t *psit*) [related]

7.59.2.4 int ppl_Pointset_Powerset_BD_Shape_int16_t_iterator_end (ppl_Pointset_Powerset_BD_Shape_int16_t_t *ps*, ppl_Pointset_Powerset_BD_Shape_int16_t_iterator_t *psit*) [related]

7.59.2.5 int ppl_Pointset_Powerset_BD_Shape_int16_t_iterator_equal_test (ppl_const_Pointset_Powerset_BD_Shape_int16_t_iterator_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int16_t_iterator_t *y*) [related]

7.59.2.6 int ppl_Pointset_Powerset_BD_Shape_int16_t_iterator_increment (ppl_Pointset_Powerset_BD_Shape_int16_t_iterator_t *psit*) [related]

7.59.2.7 int ppl_Pointset_Powerset_BD_Shape_int16_t_iterator_decrement (ppl_Pointset_Powerset_BD_Shape_int16_t_iterator_t *psit*) [related]

7.59.2.8 int ppl_Pointset_Powerset_BD_Shape_int16_t_iterator_dereference (ppl_const_Pointset_Powerset_BD_Shape_int16_t_iterator_t *ps*, ppl_const_BD_Shape_int16_t_t * *d*) [related]

7.59.2.9 int ppl_delete_Pointset_Powerset_BD_Shape_int16_t_iterator (ppl_const_Pointset_Powerset_BD_Shape_int16_t_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.60 ppl_Pointset_Powerset_BD_Shape_int16_t_tag Interface Reference

Types and functions for ppl_Pointset_Powerset_BD_Shape_int16_t_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Pointset_Powerset_BD_Shape_int16_t (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t ph)
- int ppl_new_Pointset_Powerset_BD_Shape_int16_t_from_space_dimension (ppl_Pointset_Powerset_BD_Shape_int16_t_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Pointset_Powerset_BD_Shape_int16_t_from_Pointset_Powerset_BD_Shape_int16_t (ppl_Pointset_Powerset_BD_Shape_int16_t_t *pph, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t ph)
- int ppl_new_Pointset_Powerset_BD_Shape_int16_t_from_BD_Shape_int16_t (ppl_Pointset_Powerset_BD_Shape_int16_t_t *pph, ppl_const_BD_Shape_int16_t_t ph)

- int ppl_new_Pointset_Powerset_BD_Shape_int16_t_from_Pointset_Powerset_BD_Shape_int16_t_with_complexity (ppl_Pointset_Powerset_BD_Shape_int16_t_t *pph, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_Pointset_Powerset_BD_Shape_int16_t_from_BD_Shape_int16_t_with_complexity (ppl_Pointset_Powerset_BD_Shape_int16_t_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_Pointset_Powerset_BD_Shape_int16_t_from_Constraint_System (ppl_Pointset_Powerset_BD_Shape_int16_t_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Pointset_Powerset_BD_Shape_int16_t_from_Congruence_System (ppl_Pointset_Powerset_BD_Shape_int16_t_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_space_dimension (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_affine_dimension (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_relation_with_Constraint (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_relation_with_Generator (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_const_Generator_t c)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_relation_with_Congruence (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_is_empty (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_is_universe (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_is_bounded (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_contains_integer_point (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_is_topologically_closed (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_is_discrete (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_topological_closure_assign (ppl_Pointset_Powerset_BD_Shape_int16_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_pairwise_reduce (ppl_Pointset_Powerset_BD_Shape_int16_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_omega_reduce (ppl_Pointset_Powerset_BD_Shape_int16_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_bounds_from_above (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_bounds_from_below (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_maximize (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_minimize (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_maximize_with_point (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)

- int ppl_Pointset_Powerset_BD_Shape_int16_t_minimize_with_point (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_contains_Pointset_Powerset_BD_Shape_int16_t (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_strictly_contains_Pointset_Powerset_BD_Shape_int16_t (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_is_disjoint_from_Pointset_Powerset_BD_Shape_int16_t (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_geometrically_covers_Pointset_Powerset_BD_Shape_int16_t (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_geometrically_equals_Pointset_Powerset_BD_Shape_int16_t (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_equals_Pointset_Powerset_BD_Shape_int16_t (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_OK (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_add_constraint (ppl_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_add_congruence (ppl_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_add_constraints (ppl_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_add_congruences (ppl_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_refine_with_constraint (ppl_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_refine_with_congruence (ppl_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_refine_with_constraints (ppl_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_refine_with_congruences (ppl_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_intersection_assign (ppl_Pointset_Powerset_BD_Shape_int16_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_upper_bound_assign (ppl_Pointset_Powerset_BD_Shape_int16_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_difference_assign (ppl_Pointset_Powerset_BD_Shape_int16_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_concatenate_assign (ppl_Pointset_Powerset_BD_Shape_int16_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_time_elapse_assign (ppl_Pointset_Powerset_BD_Shape_int16_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_upper_bound_assign_if_exact (ppl_Pointset_Powerset_BD_Shape_int16_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t y)

- int ppl_Pointset_Powerset_BD_Shape_int16_t_simplify_using_context_assign (ppl_Pointset_Powerset_BD_Shape_int16_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_constrains (ppl_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_unconstrain_space_dimension (ppl_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_unconstrain_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_affine_image (ppl_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_affine_preimage (ppl_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_bounded_affine_image (ppl_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_bounded_affine_preimage (ppl_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_generalized_affine_image (ppl_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_generalized_affine_preimage (ppl_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_add_space_dimensions_and_embed (ppl_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_add_space_dimensions_and_project (ppl_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_remove_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_remove_higher_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_expand_space_dimension (ppl_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_fold_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_map_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_drop_some_non_integer_points (ppl_Pointset_Powerset_BD_Shape_int16_t_t ph, int complexity)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_BD_Shape_int16_t_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_external_memory_in_bytes (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t ps, size_t *sz)

- int ppl_Pointset_Powerset_BD_Shape_int16_t_total_memory_in_bytes (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t ps, size_t *sz)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_size (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t ps, size_t *sz)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_add_disjunct (ppl_Pointset_Powerset_BD_Shape_int16_t_t ps, ppl_const_BD_Shape_int16_t_t d)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_drop_disjunct (ppl_Pointset_Powerset_BD_Shape_int16_t_t ps, ppl_const_Pointset_Powerset_BD_Shape_int16_t_iterator_t cit, ppl_Pointset_Powerset_BD_Shape_int16_t_iterator_t it)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_drop_disjuncts (ppl_Pointset_Powerset_BD_Shape_int16_t_t ps, ppl_const_Pointset_Powerset_BD_Shape_int16_t_iterator_t first, ppl_const_Pointset_Powerset_BD_Shape_int16_t_iterator_t last)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_BHZ03_H79_BHMZ05_widening_assign (ppl_Pointset_Powerset_BD_Shape_int16_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_BHZ03_H79_H79_widening_assign (ppl_Pointset_Powerset_BD_Shape_int16_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_BGP99_BHMZ05_extrapolation_assign (ppl_Pointset_Powerset_BD_Shape_int16_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t y, int disjuncts)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_BGP99_H79_extrapolation_assign (ppl_Pointset_Powerset_BD_Shape_int16_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t y, int disjuncts)
- int ppl_io_print_Pointset_Powerset_BD_Shape_int16_t (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t x)
- int ppl_io_fprint_Pointset_Powerset_BD_Shape_int16_t (FILE *stream, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t x)
- int ppl_io_asprint_Pointset_Powerset_BD_Shape_int16_t (char **strp, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t x)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_ascii_dump (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t x, FILE *stream)
- int ppl_Pointset_Powerset_BD_Shape_int16_t_ascii_load (ppl_Pointset_Powerset_BD_Shape_int16_t_t x, FILE *stream)

7.60.1 Detailed Description

Types and functions for ppl_Pointset_Powerset_BD_Shape_int16_t_tag.

7.60.2 Friends And Related Function Documentation

7.60.2.1 int ppl_delete_Pointset_Powerset_BD_Shape_int16_t (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *ph*) [related]

7.60.2.2 int ppl_new_Pointset_Powerset_BD_Shape_int16_t_from_space_dimension (ppl_Pointset_Powerset_BD_Shape_int16_t_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.60.2.3 int ppl_new_Pointset_Powerset_BD_Shape_int16_t_from_Pointset_Powerset_BD_Shape_int16_t (ppl_Pointset_Powerset_BD_Shape_int16_t_t * *pph*, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *ph*) [related]

7.60.2.4 int ppl_new_Pointset_Powerset_BD_Shape_int16_t_from_BD_Shape_int16_t (ppl_Pointset_Powerset_BD_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.60.2.5 int ppl_new_Pointset_Powerset_BD_Shape_int16_t_from_Pointset_Powerset_BD_Shape_int16_t_with_complexity (ppl_Pointset_Powerset_BD_Shape_int16_t_t * *pph*, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.60.2.6 int ppl_new_Pointset_Powerset_BD_Shape_int16_t_from_BD_Shape_int16_t_with_complexity (ppl_Pointset_Powerset_BD_Shape_int16_t_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.60.2.7 int ppl_new_Pointset_Powerset_BD_Shape_int16_t_from_Constraint_System (ppl_Pointset_Powerset_BD_Shape_int16_t_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.60.2.8 int ppl_new_Pointset_Powerset_BD_Shape_int16_t_from_Congruence_System (ppl_Pointset_Powerset_BD_Shape_int16_t_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.60.2.9 int ppl_Pointset_Powerset_BD_Shape_int16_t_space_dimension (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_dimension_type * *m*) [related]

7.60.2.10 int ppl_Pointset_Powerset_BD_Shape_int16_t_affine_dimension (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_dimension_type * *m*) [related]

7.60.2.11 int ppl_Pointset_Powerset_BD_Shape_int16_t_relation_with_Constraint (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.60.2.12 int ppl_Pointset_Powerset_BD_Shape_int16_t_relation_with_Generator (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_const_Generator_t *c*) [related]

7.60.2.13 int ppl_Pointset_Powerset_BD_Shape_int16_t_relation_with_Congruence (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.60.2.14 int ppl_Pointset_Powerset_BD_Shape_int16_t_is_empty (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *ph*) [related]

7.60.2.15 int ppl_Pointset_Powerset_BD_Shape_int16_t_is_universe (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *ph*) [related]

7.60.2.16 int ppl_Pointset_Powerset_BD_Shape_int16_t_is_bounded (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *ph*) [related]

7.60.2.17 int ppl_Pointset_Powerset_BD_Shape_int16_t_contains_integer_point (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *ph*) [related]

7.60.2.18 int ppl_Pointset_Powerset_BD_Shape_int16_t_is_topologically_closed (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *ph*) [related]

7.60.2.19 int ppl_Pointset_Powerset_BD_Shape_int16_t_is_discrete (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *ph*) [related]

7.60.2.20 int ppl_Pointset_Powerset_BD_Shape_int16_t_topological_closure_assign (ppl_Pointset_Powerset_BD_Shape_int16_t_t *ph*) [related]

7.60.2.21 int ppl_Pointset_Powerset_BD_Shape_int16_t_pairwise_reduce (ppl_Pointset_Powerset_BD_Shape_int16_t_t *ph*) [related]

7.60.2.22 int ppl_Pointset_Powerset_BD_Shape_int16_t_omega_reduce (ppl_Pointset_Powerset_BD_Shape_int16_t_t *ph*) [related]

7.60.2.23 int ppl_Pointset_Powerset_BD_Shape_int16_t_bounds_from_above (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.60.2.24 int ppl_Pointset_Powerset_BD_Shape_int16_t_bounds_from_below (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.60.2.25 int ppl_Pointset_Powerset_BD_Shape_int16_t_maximize (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.60.2.26 int ppl_Pointset_Powerset_BD_Shape_int16_t_minimize (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.60.2.27 int ppl_Pointset_Powerset_BD_Shape_int16_t_maximize_with_point (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.60.2.28 int ppl_Pointset_Powerset_BD_Shape_int16_t_minimize_with_point (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.60.2.29 int ppl_Pointset_Powerset_BD_Shape_int16_t_contains_Pointset_Powerset_BD_Shape_int16_t (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *y*) [related]

7.60.2.30 int ppl_Pointset_Powerset_BD_Shape_int16_t_strictly_contains_Pointset_Powerset_BD_Shape_int16_t (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *y*) [related]

7.60.2.31 int ppl_Pointset_Powerset_BD_Shape_int16_t_is_disjoint_from_Pointset_Powerset_BD_Shape_int16_t (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *y*) [related]

7.60.2.32 int ppl_Pointset_Powerset_BD_Shape_int16_t_geometrically_covers_Pointset_Powerset_BD_Shape_int16_t (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *y*) [related]

7.60.2.33 int ppl_Pointset_Powerset_BD_Shape_int16_t_geometrically_equals_Pointset_Powerset_BD_Shape_int16_t (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *y*) [related]

7.60.2.34 int ppl_Pointset_Powerset_BD_Shape_int16_t_equals_Pointset_Powerset_BD_Shape_int16_t (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *y*) [related]

7.60.2.35 int ppl_Pointset_Powerset_BD_Shape_int16_t_OK (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *ph*) [related]

7.60.2.36 int ppl_Pointset_Powerset_BD_Shape_int16_t_add_constraint (ppl_Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.60.2.37 int ppl_Pointset_Powerset_BD_Shape_int16_t_add_congruence (ppl_Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.60.2.38 int ppl_Pointset_Powerset_BD_Shape_int16_t_add_constraints (ppl_Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.60.2.39 int ppl_Pointset_Powerset_BD_Shape_int16_t_add_congruences (ppl_Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.60.2.40 int ppl_Pointset_Powerset_BD_Shape_int16_t_refine_with_constraint (ppl_Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.60.2.41 int ppl_Pointset_Powerset_BD_Shape_int16_t_refine_with_congruence (ppl_Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.60.2.42 int ppl_Pointset_Powerset_BD_Shape_int16_t_refine_with_constraints (ppl_Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.60.2.43 int ppl_Pointset_Powerset_BD_Shape_int16_t_refine_with_congruences (ppl_Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.60.2.44 int ppl_Pointset_Powerset_BD_Shape_int16_t_intersection_assign (ppl_Pointset_-Powerset_BD_Shape_int16_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *y*) [related]

7.60.2.45 int ppl_Pointset_Powerset_BD_Shape_int16_t_upper_bound_assign (ppl_Pointset_-Powerset_BD_Shape_int16_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *y*) [related]

7.60.2.46 int ppl_Pointset_Powerset_BD_Shape_int16_t_difference_assign (ppl_Pointset_-Powerset_BD_Shape_int16_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *y*) [related]

7.60.2.47 int ppl_Pointset_Powerset_BD_Shape_int16_t_concatenate_assign (ppl_Pointset_-Powerset_BD_Shape_int16_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *y*) [related]

7.60.2.48 int ppl_Pointset_Powerset_BD_Shape_int16_t_time_elapse_assign (ppl_Pointset_-Powerset_BD_Shape_int16_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *y*) [related]

7.60.2.49 int ppl_Pointset_Powerset_BD_Shape_int16_t_upper_bound_assign_if_exact (ppl_Pointset_Powerset_BD_Shape_int16_t_t *x*, ppl_const_Pointset_Powerset_BD_-Shape_int16_t_t *y*) [related]

7.60.2.50 int ppl_Pointset_Powerset_BD_Shape_int16_t_simplify_using_-context_assign (ppl_Pointset_Powerset_BD_Shape_int16_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *y*) [related]

7.60.2.51 int ppl_Pointset_Powerset_BD_Shape_int16_t_constrains (ppl_-Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_dimension_type *var*) [related]

7.60.2.52 int ppl_Pointset_Powerset_BD_Shape_int16_t_unconstrain_space_dimension (ppl_Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_dimension_type *var*) [related]

7.60.2.53 int ppl_Pointset_Powerset_BD_Shape_int16_t_unconstrain_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.60.2.54 int ppl_Pointset_Powerset_BD_Shape_int16_t_affine_image (ppl_Pointset_Powerset_-BD_Shape_int16_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.60.2.55 int ppl_Pointset_Powerset_BD_Shape_int16_t_affine_preimage (ppl_Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.60.2.56 int ppl_Pointset_Powerset_BD_Shape_int16_t_bounded_affine_image (ppl_Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.60.2.57 int ppl_Pointset_Powerset_BD_Shape_int16_t_bounded_affine_preimage (ppl_Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.60.2.58 int ppl_Pointset_Powerset_BD_Shape_int16_t_generalized_affine_image (ppl_Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.60.2.59 int ppl_Pointset_Powerset_BD_Shape_int16_t_generalized_affine_preimage (ppl_Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.60.2.60 int ppl_Pointset_Powerset_BD_Shape_int16_t_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.60.2.61 int ppl_Pointset_Powerset_BD_Shape_int16_t_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.60.2.62 int ppl_Pointset_Powerset_BD_Shape_int16_t_add_space_dimensions_and_embed (ppl_Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_dimension_type *d*) [related]

7.60.2.63 int ppl_Pointset_Powerset_BD_Shape_int16_t_add_space_dimensions_and_project (ppl_Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_dimension_type *d*) [related]

7.60.2.64 int ppl_Pointset_Powerset_BD_Shape_int16_t_remove_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.60.2.65 int ppl_Pointset_Powerset_BD_Shape_int16_t_remove_higher_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_dimension_type *d*) [related]

7.60.2.66 int ppl_Pointset_Powerset_BD_Shape_int16_t_expand_space_dimension (ppl_Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.60.2.67 int ppl_Pointset_Powerset_BD_Shape_int16_t_fold_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.60.2.68 int ppl_Pointset_Powerset_BD_Shape_int16_t_map_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.60.2.69 int ppl_Pointset_Powerset_BD_Shape_int16_t_drop_some_non_integer_points (ppl_Pointset_Powerset_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.60.2.70 int ppl_Pointset_Powerset_BD_Shape_int16_t_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_BD_Shape_int16_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.60.2.71 int ppl_Pointset_Powerset_BD_Shape_int16_t_external_memory_in_bytes (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *ps*, size_t * *sz*) [related]

7.60.2.72 int ppl_Pointset_Powerset_BD_Shape_int16_t_total_memory_in_bytes (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *ps*, size_t * *sz*) [related]

7.60.2.73 int ppl_Pointset_Powerset_BD_Shape_int16_t_size (ppl_const_Pointset_Powerset_BD_-Shape_int16_t_t *ps*, size_t * *sz*) [related]

7.60.2.74 int ppl_Pointset_Powerset_BD_Shape_int16_t_add_disjunct (ppl_Pointset_-Powerset_BD_Shape_int16_t_t *ps*, ppl_const_BD_Shape_int16_t_t *d*) [related]

7.60.2.75 int ppl_Pointset_Powerset_BD_Shape_int16_t_drop_disjunct (ppl_Pointset_Powerset_BD_Shape_int16_t_t *ps*, ppl_const_Pointset_Powerset_BD_Shape_int16_t_iterator_t *cit*, ppl_Pointset_Powerset_BD_Shape_int16_t_iterator_t *it*) [related]

7.60.2.76 int ppl_Pointset_Powerset_BD_Shape_int16_t_drop_disjuncts (ppl_Pointset_Powerset_BD_Shape_int16_t_t *ps*, ppl_const_Pointset_Powerset_BD_Shape_int16_t_iterator_t *first*, ppl_const_Pointset_Powerset_BD_Shape_int16_t_iterator_t *last*) [related]

7.60.2.77 int ppl_Pointset_Powerset_BD_Shape_int16_t_BHZ03_H79_BHMZ05_widening_assign (ppl_Pointset_Powerset_BD_Shape_int16_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *y*) [related]

7.60.2.78 int ppl_Pointset_Powerset_BD_Shape_int16_t_BHZ03_H79_H79_widening_assign (ppl_Pointset_Powerset_BD_Shape_int16_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *y*) [related]

7.60.2.79 int ppl_Pointset_Powerset_BD_Shape_int16_t_BGP99_BHMZ05_extrapolation_assign (ppl_Pointset_Powerset_BD_Shape_int16_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *y*, int *disjuncts*) [related]

7.60.2.80 int ppl_Pointset_Powerset_BD_Shape_int16_t_BGP99_H79_extrapolation_assign (ppl_Pointset_Powerset_BD_Shape_int16_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *y*, int *disjuncts*) [related]

7.60.2.81 int ppl_io_print_Pointset_Powerset_BD_Shape_int16_t (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *x*) [related]

7.60.2.82 int ppl_io_fprint_Pointset_Powerset_BD_Shape_int16_t (FILE * *stream*, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *x*) [related]

7.60.2.83 int ppl_io_asprint_Pointset_Powerset_BD_Shape_int16_t (char ** *strp*, ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *x*) [related]

7.60.2.84 int ppl_Pointset_Powerset_BD_Shape_int16_t_ascii_dump (ppl_const_Pointset_Powerset_BD_Shape_int16_t_t *x*, FILE * *stream*) [related]

7.60.2.85 int ppl_Pointset_Powerset_BD_Shape_int16_t_ascii_load (ppl_Pointset_Powerset_BD_Shape_int16_t_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.61 ppl_Pointset_Powerset_BD_Shape_int32_t_const_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_BD_Shape_int32_t_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_BD_Shape_int32_t_const_iterator (ppl_Pointset_Powerset_BD_Shape_int32_t_const_iterator_t *pit)
- int ppl_new_Pointset_Powerset_BD_Shape_int32_t_const_iterator_from_const_iterator (ppl_Pointset_Powerset_BD_Shape_int32_t_const_iterator_t *px, ppl_const_Pointset_Powerset_BD_Shape_int32_t_const_iterator_t y)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_const_iterator_begin (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t ps, ppl_Pointset_Powerset_BD_Shape_int32_t_const_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_const_iterator_end (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t ps, ppl_Pointset_Powerset_BD_Shape_int32_t_const_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_const_iterator_equal_test (ppl_const_Pointset_Powerset_BD_Shape_int32_t_const_iterator_t x, ppl_const_Pointset_Powerset_BD_Shape_int32_t_const_iterator_t y)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_const_iterator_increment (ppl_Pointset_Powerset_BD_Shape_int32_t_const_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_const_iterator_decrement (ppl_Pointset_Powerset_BD_Shape_int32_t_const_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_const_iterator_dereference (ppl_const_Pointset_Powerset_BD_Shape_int32_t_const_iterator_t ps, ppl_const_BD_Shape_int32_t_t *d)

- int ppl_delete_Pointset_Powerset_BD_Shape_int32_t_const_iterator (ppl_const_Pointset_Powerset_BD_Shape_int32_t_const_iterator_t psit)

7.61.1 Detailed Description

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_BD_Shape_int32_t_tag.

7.61.2 Friends And Related Function Documentation

7.61.2.1 int ppl_new_Pointset_Powerset_BD_Shape_int32_t_const_iterator (ppl_Pointset_Powerset_BD_Shape_int32_t_const_iterator_t * *pit*) [related]

7.61.2.2 int ppl_new_Pointset_Powerset_BD_Shape_int32_t_const_iterator_from_const_iterator (ppl_Pointset_Powerset_BD_Shape_int32_t_const_iterator_t * *px*, ppl_const_Pointset_Powerset_BD_Shape_int32_t_const_iterator_t *y*) [related]

7.61.2.3 int ppl_Pointset_Powerset_BD_Shape_int32_t_const_iterator_begin (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *ps*, ppl_Pointset_Powerset_BD_Shape_int32_t_const_iterator_t *psit*) [related]

7.61.2.4 int ppl_Pointset_Powerset_BD_Shape_int32_t_const_iterator_end (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *ps*, ppl_Pointset_Powerset_BD_Shape_int32_t_const_iterator_t *psit*) [related]

7.61.2.5 int ppl_Pointset_Powerset_BD_Shape_int32_t_const_iterator_equal_test (ppl_const_Pointset_Powerset_BD_Shape_int32_t_const_iterator_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int32_t_const_iterator_t *y*) [related]

7.61.2.6 int ppl_Pointset_Powerset_BD_Shape_int32_t_const_iterator_increment (ppl_Pointset_Powerset_BD_Shape_int32_t_const_iterator_t *psit*) [related]

7.61.2.7 int ppl_Pointset_Powerset_BD_Shape_int32_t_const_iterator_decrement (ppl_Pointset_Powerset_BD_Shape_int32_t_const_iterator_t *psit*) [related]

7.61.2.8 int ppl_Pointset_Powerset_BD_Shape_int32_t_const_iterator_dereference (ppl_const_Pointset_Powerset_BD_Shape_int32_t_const_iterator_t *ps*, ppl_const_BD_Shape_int32_t_t * *d*) [related]

7.61.2.9 int ppl_delete_Pointset_Powerset_BD_Shape_int32_t_const_iterator (ppl_const_Pointset_Powerset_BD_Shape_int32_t_const_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.62 ppl_Pointset_Powerset_BD_Shape_int32_t_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_BD_Shape_int32_t_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_BD_Shape_int32_t_iterator (ppl_Pointset_Powerset_BD_Shape_int32_t_iterator_t *pit)
- int ppl_new_Pointset_Powerset_BD_Shape_int32_t_iterator_from_iterator (ppl_Pointset_Powerset_BD_Shape_int32_t_iterator_t *px, ppl_const_Pointset_Powerset_BD_Shape_int32_t_iterator_t y)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_iterator_begin (ppl_Pointset_Powerset_BD_Shape_int32_t_t ps, ppl_Pointset_Powerset_BD_Shape_int32_t_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_iterator_end (ppl_Pointset_Powerset_BD_Shape_int32_t_t ps, ppl_Pointset_Powerset_BD_Shape_int32_t_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_iterator_equal_test (ppl_const_Pointset_Powerset_BD_Shape_int32_t_iterator_t x, ppl_const_Pointset_Powerset_BD_Shape_int32_t_iterator_t y)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_iterator_increment (ppl_Pointset_Powerset_BD_Shape_int32_t_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_iterator_decrement (ppl_Pointset_Powerset_BD_Shape_int32_t_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_iterator_dereference (ppl_const_Pointset_Powerset_BD_Shape_int32_t_iterator_t ps, ppl_const_BD_Shape_int32_t_t *d)
- int ppl_delete_Pointset_Powerset_BD_Shape_int32_t_iterator (ppl_const_Pointset_Powerset_BD_Shape_int32_t_iterator_t psit)

7.62.1 Detailed Description

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_BD_Shape_int32_t_tag.

7.62.2 Friends And Related Function Documentation

7.62.2.1 int ppl_new_Pointset_Powerset_BD_Shape_int32_t_iterator (ppl_Pointset_Powerset_BD_Shape_int32_t_iterator_t * *pit*) [related]

7.62.2.2 int ppl_new_Pointset_Powerset_BD_Shape_int32_t_iterator_from_iterator (ppl_Pointset_Powerset_BD_Shape_int32_t_iterator_t * *px*, ppl_const_Pointset_Powerset_BD_Shape_int32_t_iterator_t *y*) [related]

7.62.2.3 int ppl_Pointset_Powerset_BD_Shape_int32_t_iterator_begin (ppl_Pointset_Powerset_BD_Shape_int32_t_t *ps*, ppl_Pointset_Powerset_BD_Shape_int32_t_iterator_t *psit*) [related]

7.62.2.4 int ppl_Pointset_Powerset_BD_Shape_int32_t_iterator_end (ppl_Pointset_Powerset_BD_Shape_int32_t_t *ps*, ppl_Pointset_Powerset_BD_Shape_int32_t_iterator_t *psit*) [related]

7.62.2.5 int ppl_Pointset_Powerset_BD_Shape_int32_t_iterator_equal_test (ppl_const_Pointset_Powerset_BD_Shape_int32_t_iterator_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int32_t_iterator_t *y*) [related]

7.62.2.6 int ppl_Pointset_Powerset_BD_Shape_int32_t_iterator_increment (ppl_Pointset_Powerset_BD_Shape_int32_t_iterator_t *psit*) [related]

7.62.2.7 int ppl_Pointset_Powerset_BD_Shape_int32_t_iterator_decrement (ppl_Pointset_Powerset_BD_Shape_int32_t_iterator_t *psit*) [related]

7.62.2.8 int ppl_Pointset_Powerset_BD_Shape_int32_t_iterator_dereference (ppl_const_Pointset_Powerset_BD_Shape_int32_t_iterator_t *ps*, ppl_const_BD_Shape_int32_t_t * *d*) [related]

7.62.2.9 int ppl_delete_Pointset_Powerset_BD_Shape_int32_t_iterator (ppl_const_Pointset_Powerset_BD_Shape_int32_t_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.63 ppl_Pointset_Powerset_BD_Shape_int32_t_tag Interface Reference

Types and functions for ppl_Pointset_Powerset_BD_Shape_int32_t_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Pointset_Powerset_BD_Shape_int32_t (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t ph)
- int ppl_new_Pointset_Powerset_BD_Shape_int32_t_from_space_dimension (ppl_Pointset_Powerset_BD_Shape_int32_t_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Pointset_Powerset_BD_Shape_int32_t_from_Pointset_Powerset_BD_Shape_int32_t (ppl_Pointset_Powerset_BD_Shape_int32_t_t *pph, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t ph)
- int ppl_new_Pointset_Powerset_BD_Shape_int32_t_from_BD_Shape_int32_t (ppl_Pointset_Powerset_BD_Shape_int32_t_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_Pointset_Powerset_BD_Shape_int32_t_from_Pointset_Powerset_BD_Shape_int32_t_with_complexity (ppl_Pointset_Powerset_BD_Shape_int32_t_t *pph, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_Pointset_Powerset_BD_Shape_int32_t_from_BD_Shape_int32_t_with_complexity (ppl_Pointset_Powerset_BD_Shape_int32_t_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_Pointset_Powerset_BD_Shape_int32_t_from_Constraint_System (ppl_Pointset_Powerset_BD_Shape_int32_t_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Pointset_Powerset_BD_Shape_int32_t_from_Congruence_System (ppl_Pointset_Powerset_BD_Shape_int32_t_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_space_dimension (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_affine_dimension (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_relation_with_Constraint (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_relation_with_Generator (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_const_Generator_t c)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_relation_with_Congruence (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_is_empty (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_is_universe (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t ph)

- int ppl_Pointset_Powerset_BD_Shape_int32_t_is_bounded (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_contains_integer_point (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_is_topologically_closed (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_is_discrete (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_topological_closure_assign (ppl_Pointset_Powerset_BD_Shape_int32_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_pairwise_reduce (ppl_Pointset_Powerset_BD_Shape_int32_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_omega_reduce (ppl_Pointset_Powerset_BD_Shape_int32_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_bounds_from_above (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_bounds_from_below (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_maximize (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_minimize (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_maximize_with_point (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_minimize_with_point (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_contains_Pointset_Powerset_BD_Shape_int32_t (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_strictly_contains_Pointset_Powerset_BD_Shape_int32_t (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_is_disjoint_from_Pointset_Powerset_BD_Shape_int32_t (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_geometrically_covers_Pointset_Powerset_BD_Shape_int32_t (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_geometrically_equals_Pointset_Powerset_BD_Shape_int32_t (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_equals_Pointset_Powerset_BD_Shape_int32_t (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_OK (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_add_constraint (ppl_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_const_Constraint_t c)

- int ppl_Pointset_Powerset_BD_Shape_int32_t_add_congruence (ppl_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_add_constraints (ppl_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_add_congruences (ppl_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_refine_with_constraint (ppl_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_refine_with_congruence (ppl_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_refine_with_constraints (ppl_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_refine_with_congruences (ppl_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_intersection_assign (ppl_Pointset_Powerset_BD_Shape_int32_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_upper_bound_assign (ppl_Pointset_Powerset_BD_Shape_int32_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_difference_assign (ppl_Pointset_Powerset_BD_Shape_int32_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_concatenate_assign (ppl_Pointset_Powerset_BD_Shape_int32_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_time_elapse_assign (ppl_Pointset_Powerset_BD_Shape_int32_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_upper_bound_assign_if_exact (ppl_Pointset_Powerset_BD_Shape_int32_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_simplify_using_context_assign (ppl_Pointset_Powerset_BD_Shape_int32_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_constrains (ppl_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_unconstrain_space_dimension (ppl_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_unconstrain_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_affine_image (ppl_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_affine_preimage (ppl_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_bounded_affine_image (ppl_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_bounded_affine_preimage (ppl_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_generalized_affine_image (ppl_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_generalized_affine_preimage (ppl_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)

- int ppl_Pointset_Powerset_BD_Shape_int32_t_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_add_space_dimensions_and_embed (ppl_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_add_space_dimensions_and_project (ppl_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_remove_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_remove_higher_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_expand_space_dimension (ppl_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_fold_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_map_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_drop_some_non_integer_points (ppl_Pointset_Powerset_BD_Shape_int32_t_t ph, int complexity)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_BD_Shape_int32_t_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_external_memory_in_bytes (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t ps, size_t *sz)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_total_memory_in_bytes (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t ps, size_t *sz)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_size (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t ps, size_t *sz)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_add_disjunct (ppl_Pointset_Powerset_BD_Shape_int32_t_t ps, ppl_const_BD_Shape_int32_t_t d)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_drop_disjunct (ppl_Pointset_Powerset_BD_Shape_int32_t_t ps, ppl_const_Pointset_Powerset_BD_Shape_int32_t_iterator_t cit, ppl_Pointset_Powerset_BD_Shape_int32_t_iterator_t it)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_drop_disjuncts (ppl_Pointset_Powerset_BD_Shape_int32_t_t ps, ppl_const_Pointset_Powerset_BD_Shape_int32_t_iterator_t first, ppl_const_Pointset_Powerset_BD_Shape_int32_t_iterator_t last)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_BHZ03_H79_BHMZ05_widening_assign (ppl_Pointset_Powerset_BD_Shape_int32_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_BHZ03_H79_H79_widening_assign (ppl_Pointset_Powerset_BD_Shape_int32_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_BGP99_BHMZ05_extrapolation_assign (ppl_Pointset_Powerset_BD_Shape_int32_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t y, int disjuncts)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_BGP99_H79_extrapolation_assign (ppl_Pointset_Powerset_BD_Shape_int32_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t y, int disjuncts)
- int ppl_io_print_Pointset_Powerset_BD_Shape_int32_t (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t x)

- int ppl_io_fprint_Pointset_Powerset_BD_Shape_int32_t (FILE ∗stream, ppl_const_Pointset_-Powerset_BD_Shape_int32_t_t x)
- int ppl_io_asprint_Pointset_Powerset_BD_Shape_int32_t (char ∗∗strp, ppl_const_Pointset_-Powerset_BD_Shape_int32_t_t x)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_ascii_dump (ppl_const_Pointset_Powerset_BD_-Shape_int32_t_t x, FILE ∗stream)
- int ppl_Pointset_Powerset_BD_Shape_int32_t_ascii_load (ppl_Pointset_Powerset_BD_Shape_-int32_t_t x, FILE ∗stream)

7.63.1 Detailed Description

Types and functions for ppl_Pointset_Powerset_BD_Shape_int32_t_tag.

7.63.2 Friends And Related Function Documentation

7.63.2.1 int ppl_delete_Pointset_Powerset_BD_Shape_int32_t (ppl_const_Pointset_Powerset_-BD_Shape_int32_t_t *ph*) [related]

7.63.2.2 int ppl_new_Pointset_Powerset_BD_Shape_int32_t_from_space_dimension (ppl_Pointset_Powerset_BD_Shape_int32_t_t ∗ *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.63.2.3 int ppl_new_Pointset_Powerset_BD_Shape_int32_t_from_Pointset_Powerset_-BD_Shape_int32_t (ppl_Pointset_Powerset_BD_Shape_int32_t_t ∗ *pph*, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *ph*) [related]

7.63.2.4 int ppl_new_Pointset_Powerset_BD_Shape_int32_t_from_BD_Shape_int32_t (ppl_Pointset_Powerset_BD_Shape_int32_t_t ∗ *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.63.2.5 int ppl_new_Pointset_Powerset_BD_Shape_int32_t_from_Pointset_Powerset_BD_-Shape_int32_t_with_complexity (ppl_Pointset_Powerset_BD_Shape_int32_t_t ∗ *pph*, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.63.2.6 int ppl_new_Pointset_Powerset_BD_Shape_int32_t_from_BD_Shape_int32_-t_with_complexity (ppl_Pointset_Powerset_BD_Shape_int32_t_t ∗ *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.63.2.7 int ppl_new_Pointset_Powerset_BD_Shape_int32_t_from_Constraint_System (ppl_Pointset_Powerset_BD_Shape_int32_t_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.63.2.8 int ppl_new_Pointset_Powerset_BD_Shape_int32_t_from_Congruence_System (ppl_Pointset_Powerset_BD_Shape_int32_t_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.63.2.9 int ppl_Pointset_Powerset_BD_Shape_int32_t_space_dimension (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_dimension_type * *m*) [related]

7.63.2.10 int ppl_Pointset_Powerset_BD_Shape_int32_t_affine_dimension (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_dimension_type * *m*) [related]

7.63.2.11 int ppl_Pointset_Powerset_BD_Shape_int32_t_relation_with_Constraint (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.63.2.12 int ppl_Pointset_Powerset_BD_Shape_int32_t_relation_with_Generator (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_const_Generator_t *c*) [related]

7.63.2.13 int ppl_Pointset_Powerset_BD_Shape_int32_t_relation_with_Congruence (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.63.2.14 int ppl_Pointset_Powerset_BD_Shape_int32_t_is_empty (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *ph*) [related]

7.63.2.15 int ppl_Pointset_Powerset_BD_Shape_int32_t_is_universe (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *ph*) [related]

7.63.2.16 int ppl_Pointset_Powerset_BD_Shape_int32_t_is_bounded (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *ph*) [related]

7.63.2.17 int ppl_Pointset_Powerset_BD_Shape_int32_t_contains_integer_point (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *ph*) [related]

7.63.2.18 int ppl_Pointset_Powerset_BD_Shape_int32_t_is_topologically_closed (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *ph*) [related]

7.63.2.19 int ppl_Pointset_Powerset_BD_Shape_int32_t_is_discrete (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *ph*) [related]

7.63.2.20 int ppl_Pointset_Powerset_BD_Shape_int32_t_topological_closure_assign (ppl_Pointset_Powerset_BD_Shape_int32_t_t *ph*) [related]

7.63.2.21 int ppl_Pointset_Powerset_BD_Shape_int32_t_pairwise_reduce (ppl_Pointset_Powerset_BD_Shape_int32_t_t *ph*) [related]

7.63.2.22 int ppl_Pointset_Powerset_BD_Shape_int32_t_omega_reduce (ppl_Pointset_Powerset_BD_Shape_int32_t_t *ph*) [related]

7.63.2.23 int ppl_Pointset_Powerset_BD_Shape_int32_t_bounds_from_above (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.63.2.24 int ppl_Pointset_Powerset_BD_Shape_int32_t_bounds_from_below (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.63.2.25 int ppl_Pointset_Powerset_BD_Shape_int32_t_maximize (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.63.2.26 int ppl_Pointset_Powerset_BD_Shape_int32_t_minimize (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.63.2.27 int ppl_Pointset_Powerset_BD_Shape_int32_t_maximize_with_point (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.63.2.28 int ppl_Pointset_Powerset_BD_Shape_int32_t_minimize_with_point (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.63.2.29 int ppl_Pointset_Powerset_BD_Shape_int32_t_contains_Pointset_Powerset_BD_Shape_int32_t (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *y*) [related]

7.63.2.30 int ppl_Pointset_Powerset_BD_Shape_int32_t_strictly_contains_Pointset_Powerset_BD_Shape_int32_t (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *y*) [related]

7.63.2.31 int ppl_Pointset_Powerset_BD_Shape_int32_t_is_disjoint_from_Pointset_Powerset_BD_Shape_int32_t (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *y*) [related]

7.63.2.32 int ppl_Pointset_Powerset_BD_Shape_int32_t_geometrically_covers_Pointset_-Powerset_BD_Shape_int32_t (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *y*) [related]

7.63.2.33 int ppl_Pointset_Powerset_BD_Shape_int32_t_geometrically_equals_Pointset_-Powerset_BD_Shape_int32_t (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *y*) [related]

7.63.2.34 int ppl_Pointset_Powerset_BD_Shape_int32_t_equals_Pointset_Powerset_-BD_Shape_int32_t (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *y*) [related]

7.63.2.35 int ppl_Pointset_Powerset_BD_Shape_int32_t_OK (ppl_const_Pointset_Powerset_BD_-Shape_int32_t_t *ph*) [related]

7.63.2.36 int ppl_Pointset_Powerset_BD_Shape_int32_t_add_constraint (ppl_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.63.2.37 int ppl_Pointset_Powerset_BD_Shape_int32_t_add_congruence (ppl_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.63.2.38 int ppl_Pointset_Powerset_BD_Shape_int32_t_add_constraints (ppl_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.63.2.39 int ppl_Pointset_Powerset_BD_Shape_int32_t_add_congruences (ppl_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.63.2.40 int ppl_Pointset_Powerset_BD_Shape_int32_t_refine_with_constraint (ppl_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.63.2.41 int ppl_Pointset_Powerset_BD_Shape_int32_t_refine_with_congruence (ppl_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.63.2.42 int ppl_Pointset_Powerset_BD_Shape_int32_t_refine_with_constraints (ppl_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.63.2.43 int ppl_Pointset_Powerset_BD_Shape_int32_t_refine_with_congruences (ppl_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.63.2.44 int ppl_Pointset_Powerset_BD_Shape_int32_t_intersection_assign (ppl_Pointset_Powerset_BD_Shape_int32_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *y*) [related]

7.63.2.45 int ppl_Pointset_Powerset_BD_Shape_int32_t_upper_bound_assign (ppl_Pointset_Powerset_BD_Shape_int32_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *y*) [related]

7.63.2.46 int ppl_Pointset_Powerset_BD_Shape_int32_t_difference_assign (ppl_Pointset_Powerset_BD_Shape_int32_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *y*) [related]

7.63.2.47 int ppl_Pointset_Powerset_BD_Shape_int32_t_concatenate_assign (ppl_Pointset_Powerset_BD_Shape_int32_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *y*) [related]

7.63.2.48 int ppl_Pointset_Powerset_BD_Shape_int32_t_time_elapse_assign (ppl_Pointset_Powerset_BD_Shape_int32_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *y*) [related]

7.63.2.49 int ppl_Pointset_Powerset_BD_Shape_int32_t_upper_bound_assign_if_exact (ppl_Pointset_Powerset_BD_Shape_int32_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *y*) [related]

7.63.2.50 int ppl_Pointset_Powerset_BD_Shape_int32_t_simplify_using_context_assign (ppl_Pointset_Powerset_BD_Shape_int32_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *y*) [related]

7.63.2.51 int ppl_Pointset_Powerset_BD_Shape_int32_t_constrains (ppl_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_dimension_type *var*) [related]

7.63.2.52 int ppl_Pointset_Powerset_BD_Shape_int32_t_unconstrain_space_dimension (ppl_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_dimension_type *var*) [related]

7.63.2.53 int ppl_Pointset_Powerset_BD_Shape_int32_t_unconstrain_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.63.2.54 int ppl_Pointset_Powerset_BD_Shape_int32_t_affine_image (ppl_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.63.2.55 int ppl_Pointset_Powerset_BD_Shape_int32_t_affine_preimage (ppl_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.63.2.56 int ppl_Pointset_Powerset_BD_Shape_int32_t_bounded_affine_image (ppl_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.63.2.57 int ppl_Pointset_Powerset_BD_Shape_int32_t_bounded_affine_preimage (ppl_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.63.2.58 int ppl_Pointset_Powerset_BD_Shape_int32_t_generalized_affine_image (ppl_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.63.2.59 int ppl_Pointset_Powerset_BD_Shape_int32_t_generalized_affine_preimage (ppl_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.63.2.60 int ppl_Pointset_Powerset_BD_Shape_int32_t_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.63.2.61 int ppl_Pointset_Powerset_BD_Shape_int32_t_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.63.2.62 int ppl_Pointset_Powerset_BD_Shape_int32_t_add_space_dimensions_and_embed (ppl_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_dimension_type *d*) [related]

7.63.2.63 int ppl_Pointset_Powerset_BD_Shape_int32_t_add_space_dimensions_and_project (ppl_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_dimension_type *d*) [related]

7.63.2.64 int ppl_Pointset_Powerset_BD_Shape_int32_t_remove_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.63.2.65 int ppl_Pointset_Powerset_BD_Shape_int32_t_remove_higher_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_dimension_type *d*) [related]

7.63.2.66 int ppl_Pointset_Powerset_BD_Shape_int32_t_expand_space_dimension (ppl_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.63.2.67 int ppl_Pointset_Powerset_BD_Shape_int32_t_fold_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.63.2.68 int ppl_Pointset_Powerset_BD_Shape_int32_t_map_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.63.2.69 int ppl_Pointset_Powerset_BD_Shape_int32_t_drop_some_non_integer_points (ppl_Pointset_Powerset_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.63.2.70 int ppl_Pointset_Powerset_BD_Shape_int32_t_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_BD_Shape_int32_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.63.2.71 int ppl_Pointset_Powerset_BD_Shape_int32_t_external_memory_in_bytes (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *ps*, size_t * *sz*) [related]

7.63.2.72 int ppl_Pointset_Powerset_BD_Shape_int32_t_total_memory_in_bytes (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *ps*, size_t * *sz*) [related]

7.63.2.73 int ppl_Pointset_Powerset_BD_Shape_int32_t_size (ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *ps*, size_t * *sz*) [related]

7.63.2.74 int ppl_Pointset_Powerset_BD_Shape_int32_t_add_disjunct (ppl_Pointset_Powerset_BD_Shape_int32_t_t *ps*, ppl_const_BD_Shape_int32_t_t *d*) [related]

7.63.2.75 int ppl_Pointset_Powerset_BD_Shape_int32_t_drop_disjunct (ppl_Pointset_Powerset_BD_Shape_int32_t_t *ps*, ppl_const_Pointset_Powerset_BD_Shape_int32_t_iterator_t *cit*, ppl_Pointset_Powerset_BD_Shape_int32_t_iterator_t *it*) [related]

7.63.2.76 int ppl_Pointset_Powerset_BD_Shape_int32_t_drop_disjuncts (ppl_Pointset_Powerset_BD_Shape_int32_t_t *ps*, ppl_const_Pointset_Powerset_BD_Shape_int32_t_iterator_t *first*, ppl_const_Pointset_Powerset_BD_Shape_int32_t_iterator_t *last*) [related]

7.63.2.77 int ppl_Pointset_Powerset_BD_Shape_int32_t_BHZ03_H79_BHMZ05_widening_assign (ppl_Pointset_Powerset_BD_Shape_int32_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *y*) [related]

7.63.2.78 int ppl_Pointset_Powerset_BD_Shape_int32_t_BHZ03_H79_H79_widening_assign (ppl_Pointset_Powerset_BD_Shape_int32_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *y*) [related]

7.63.2.79 int ppl_Pointset_Powerset_BD_Shape_int32_t_BGP99_BHMZ05_-extrapolation_assign (ppl_Pointset_Powerset_BD_Shape_int32_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *y*, int *disjuncts*) [related]

7.63.2.80 int ppl_Pointset_Powerset_BD_Shape_int32_t_BGP99_H79_-extrapolation_assign (ppl_Pointset_Powerset_BD_Shape_int32_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *y*, int *disjuncts*) [related]

7.63.2.81 int ppl_io_print_Pointset_Powerset_BD_Shape_int32_t (ppl_const_Pointset_Powerset_-BD_Shape_int32_t_t *x*) [related]

7.63.2.82 int ppl_io_fprint_Pointset_Powerset_BD_Shape_int32_t (FILE * *stream*, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *x*) [related]

7.63.2.83 int ppl_io_asprint_Pointset_Powerset_BD_Shape_int32_t (char ** *strp*, ppl_const_Pointset_Powerset_BD_Shape_int32_t_t *x*) [related]

7.63.2.84 int ppl_Pointset_Powerset_BD_Shape_int32_t_ascii_dump (ppl_-const_Pointset_Powerset_BD_Shape_int32_t_t *x*, FILE * *stream*) [related]

7.63.2.85 int ppl_Pointset_Powerset_BD_Shape_int32_t_ascii_load (ppl_Pointset_Powerset_BD_-Shape_int32_t_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.64 ppl_Pointset_Powerset_BD_Shape_int64_t_const_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_BD_Shape_int64_t_-tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_BD_Shape_int64_t_const_iterator (ppl_Pointset_Powerset_BD_-Shape_int64_t_const_iterator_t *pit)
- int ppl_new_Pointset_Powerset_BD_Shape_int64_t_const_iterator_from_const_iterator (ppl_-Pointset_Powerset_BD_Shape_int64_t_const_iterator_t *px, ppl_const_Pointset_Powerset_BD_-Shape_int64_t_const_iterator_t y)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_const_iterator_begin (ppl_const_Pointset_-Powerset_BD_Shape_int64_t_t ps, ppl_Pointset_Powerset_BD_Shape_int64_t_const_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_const_iterator_end (ppl_const_Pointset_Powerset_-BD_Shape_int64_t_t ps, ppl_Pointset_Powerset_BD_Shape_int64_t_const_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_const_iterator_equal_test (ppl_const_Pointset_-Powerset_BD_Shape_int64_t_const_iterator_t x, ppl_const_Pointset_Powerset_BD_Shape_int64_-t_const_iterator_t y)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_const_iterator_increment (ppl_Pointset_Powerset_-BD_Shape_int64_t_const_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_const_iterator_decrement (ppl_Pointset_Powerset_-BD_Shape_int64_t_const_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_const_iterator_dereference (ppl_const_Pointset_-Powerset_BD_Shape_int64_t_const_iterator_t ps, ppl_const_BD_Shape_int64_t_t *d)
- int ppl_delete_Pointset_Powerset_BD_Shape_int64_t_const_iterator (ppl_const_Pointset_-Powerset_BD_Shape_int64_t_const_iterator_t psit)

7.64.1 Detailed Description

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_BD_Shape_int64_t_-tag.

7.64.2 Friends And Related Function Documentation

7.64.2.1 int ppl_new_Pointset_Powerset_BD_Shape_int64_t_const_iterator (ppl_Pointset_Powerset_BD_Shape_int64_t_const_iterator_t * *pit*) [related]

7.64.2.2 int ppl_new_Pointset_Powerset_BD_Shape_int64_t_const_iterator_from_const_iterator (ppl_Pointset_Powerset_BD_Shape_int64_t_const_iterator_t * *px*, ppl_const_Pointset_Powerset_BD_Shape_int64_t_const_iterator_t *y*) [related]

7.64.2.3 int ppl_Pointset_Powerset_BD_Shape_int64_t_const_iterator_begin (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *ps*, ppl_Pointset_Powerset_BD_-Shape_int64_t_const_iterator_t *psit*) [related]

7.64.2.4 int ppl_Pointset_Powerset_BD_Shape_int64_t_const_iterator_end (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *ps*, ppl_Pointset_Powerset_BD_Shape_int64_t_const_iterator_t *psit*) [related]

7.64.2.5 int ppl_Pointset_Powerset_BD_Shape_int64_t_const_iterator_equal_test (ppl_const_Pointset_Powerset_BD_Shape_int64_t_const_iterator_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int64_t_const_iterator_t *y*) [related]

7.64.2.6 int ppl_Pointset_Powerset_BD_Shape_int64_t_const_iterator_increment (ppl_Pointset_Powerset_BD_Shape_int64_t_const_iterator_t *psit*) [related]

7.64.2.7 int ppl_Pointset_Powerset_BD_Shape_int64_t_const_iterator_decrement (ppl_Pointset_Powerset_BD_Shape_int64_t_const_iterator_t *psit*) [related]

7.64.2.8 int ppl_Pointset_Powerset_BD_Shape_int64_t_const_iterator_dereference (ppl_const_Pointset_Powerset_BD_Shape_int64_t_const_iterator_t *ps*, ppl_const_BD_Shape_int64_t_t * *d*) [related]

7.64.2.9 int ppl_delete_Pointset_Powerset_BD_Shape_int64_t_const_iterator (ppl_const_Pointset_Powerset_BD_Shape_int64_t_const_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.65 ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_BD_Shape_int64_t_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_BD_Shape_int64_t_iterator (ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_t *pit)

- int ppl_new_Pointset_Powerset_BD_Shape_int64_t_iterator_from_iterator (ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_t *px, ppl_const_Pointset_Powerset_BD_Shape_int64_t_iterator_t y)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_begin (ppl_Pointset_Powerset_BD_Shape_int64_t_t ps, ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_end (ppl_Pointset_Powerset_BD_Shape_int64_t_t ps, ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_equal_test (ppl_const_Pointset_Powerset_BD_Shape_int64_t_iterator_t x, ppl_const_Pointset_Powerset_BD_Shape_int64_t_iterator_t y)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_increment (ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_decrement (ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_dereference (ppl_const_Pointset_Powerset_BD_Shape_int64_t_iterator_t ps, ppl_const_BD_Shape_int64_t_t *d)
- int ppl_delete_Pointset_Powerset_BD_Shape_int64_t_iterator (ppl_const_Pointset_Powerset_BD_Shape_int64_t_iterator_t psit)

7.65.1 Detailed Description

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_BD_Shape_int64_t_tag.

7.65.2 Friends And Related Function Documentation

7.65.2.1 int ppl_new_Pointset_Powerset_BD_Shape_int64_t_iterator (ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_t * *pit*) [related]

7.65.2.2 int ppl_new_Pointset_Powerset_BD_Shape_int64_t_iterator_from_iterator (ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_t * *px*, ppl_const_Pointset_Powerset_BD_Shape_int64_t_iterator_t *y*) [related]

7.65.2.3 int ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_begin (ppl_Pointset_Powerset_BD_Shape_int64_t_t *ps*, ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_t *psit*) [related]

7.65.2.4 int ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_end (ppl_Pointset_Powerset_BD_Shape_int64_t_t *ps*, ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_t *psit*) [related]

7.65.2.5 int ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_equal_test (ppl_const_Pointset_Powerset_BD_Shape_int64_t_iterator_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int64_t_iterator_t *y*) [related]

7.65.2.6 int ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_increment (ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_t *psit*) [related]

7.65.2.7 int ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_decrement (ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_t *psit*) [related]

7.65.2.8 int ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_dereference (ppl_const_Pointset_Powerset_BD_Shape_int64_t_iterator_t *ps*, ppl_const_BD_Shape_int64_t_t * *d*) [related]

7.65.2.9 int ppl_delete_Pointset_Powerset_BD_Shape_int64_t_iterator (ppl_const_Pointset_Powerset_BD_Shape_int64_t_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.66 ppl_Pointset_Powerset_BD_Shape_int64_t_tag Interface Reference

Types and functions for ppl_Pointset_Powerset_BD_Shape_int64_t_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Pointset_Powerset_BD_Shape_int64_t (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t ph)
- int ppl_new_Pointset_Powerset_BD_Shape_int64_t_from_space_dimension (ppl_Pointset_Powerset_BD_Shape_int64_t_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Pointset_Powerset_BD_Shape_int64_t_from_Pointset_Powerset_BD_Shape_int64_t (ppl_Pointset_Powerset_BD_Shape_int64_t_t *pph, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t ph)
- int ppl_new_Pointset_Powerset_BD_Shape_int64_t_from_BD_Shape_int64_t (ppl_Pointset_Powerset_BD_Shape_int64_t_t *pph, ppl_const_BD_Shape_int64_t_t ph)

- int ppl_new_Pointset_Powerset_BD_Shape_int64_t_from_Pointset_Powerset_BD_Shape_int64_t_with_complexity (ppl_Pointset_Powerset_BD_Shape_int64_t_t *pph, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_Pointset_Powerset_BD_Shape_int64_t_from_BD_Shape_int64_t_with_complexity (ppl_Pointset_Powerset_BD_Shape_int64_t_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_Pointset_Powerset_BD_Shape_int64_t_from_Constraint_System (ppl_Pointset_Powerset_BD_Shape_int64_t_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Pointset_Powerset_BD_Shape_int64_t_from_Congruence_System (ppl_Pointset_Powerset_BD_Shape_int64_t_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_space_dimension (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_affine_dimension (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_relation_with_Constraint (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_relation_with_Generator (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_const_Generator_t c)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_relation_with_Congruence (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_is_empty (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_is_universe (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_is_bounded (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_contains_integer_point (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_is_topologically_closed (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_is_discrete (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_topological_closure_assign (ppl_Pointset_Powerset_BD_Shape_int64_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_pairwise_reduce (ppl_Pointset_Powerset_BD_Shape_int64_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_omega_reduce (ppl_Pointset_Powerset_BD_Shape_int64_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_bounds_from_above (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_bounds_from_below (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_maximize (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_minimize (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_maximize_with_point (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)

- int ppl_Pointset_Powerset_BD_Shape_int64_t_minimize_with_point (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_contains_Pointset_Powerset_BD_Shape_int64_t (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_strictly_contains_Pointset_Powerset_BD_Shape_int64_t (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_is_disjoint_from_Pointset_Powerset_BD_Shape_int64_t (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_geometrically_covers_Pointset_Powerset_BD_Shape_int64_t (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_geometrically_equals_Pointset_Powerset_BD_Shape_int64_t (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_equals_Pointset_Powerset_BD_Shape_int64_t (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_OK (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_add_constraint (ppl_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_add_congruence (ppl_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_add_constraints (ppl_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_add_congruences (ppl_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_refine_with_constraint (ppl_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_refine_with_congruence (ppl_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_refine_with_constraints (ppl_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_refine_with_congruences (ppl_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_intersection_assign (ppl_Pointset_Powerset_BD_Shape_int64_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_upper_bound_assign (ppl_Pointset_Powerset_BD_Shape_int64_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_difference_assign (ppl_Pointset_Powerset_BD_Shape_int64_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_concatenate_assign (ppl_Pointset_Powerset_BD_Shape_int64_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_time_elapse_assign (ppl_Pointset_Powerset_BD_Shape_int64_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_upper_bound_assign_if_exact (ppl_Pointset_Powerset_BD_Shape_int64_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t y)

- int ppl_Pointset_Powerset_BD_Shape_int64_t_simplify_using_context_assign (ppl_Pointset_Powerset_BD_Shape_int64_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_constrains (ppl_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_unconstrain_space_dimension (ppl_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_unconstrain_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_affine_image (ppl_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_affine_preimage (ppl_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_bounded_affine_image (ppl_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_bounded_affine_preimage (ppl_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_generalized_affine_image (ppl_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_generalized_affine_preimage (ppl_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_add_space_dimensions_and_embed (ppl_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_add_space_dimensions_and_project (ppl_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_remove_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_remove_higher_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_expand_space_dimension (ppl_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_fold_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_map_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_drop_some_non_integer_points (ppl_Pointset_Powerset_BD_Shape_int64_t_t ph, int complexity)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_BD_Shape_int64_t_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_external_memory_in_bytes (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t ps, size_t *sz)

- int ppl_Pointset_Powerset_BD_Shape_int64_t_total_memory_in_bytes (ppl_const_Pointset_-Powerset_BD_Shape_int64_t_t ps, size_t ∗sz)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_size (ppl_const_Pointset_Powerset_BD_Shape_-int64_t_t ps, size_t ∗sz)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_add_disjunct (ppl_Pointset_Powerset_BD_Shape_-int64_t_t ps, ppl_const_BD_Shape_int64_t_t d)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_drop_disjunct (ppl_Pointset_Powerset_BD_Shape_-int64_t_t ps, ppl_const_Pointset_Powerset_BD_Shape_int64_t_iterator_t cit, ppl_Pointset_-Powerset_BD_Shape_int64_t_iterator_t it)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_drop_disjuncts (ppl_Pointset_Powerset_BD_-Shape_int64_t_t ps, ppl_const_Pointset_Powerset_BD_Shape_int64_t_iterator_t first, ppl_const_-Pointset_Powerset_BD_Shape_int64_t_iterator_t last)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_BHZ03_H79_BHMZ05_widening_assign (ppl_-Pointset_Powerset_BD_Shape_int64_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_BHZ03_H79_H79_widening_assign (ppl_-Pointset_Powerset_BD_Shape_int64_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_BGP99_BHMZ05_extrapolation_assign (ppl_-Pointset_Powerset_BD_Shape_int64_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t y, int disjuncts)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_BGP99_H79_extrapolation_assign (ppl_Pointset_-Powerset_BD_Shape_int64_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t y, int dis-juncts)
- int ppl_io_print_Pointset_Powerset_BD_Shape_int64_t (ppl_const_Pointset_Powerset_BD_-Shape_int64_t_t x)
- int ppl_io_fprint_Pointset_Powerset_BD_Shape_int64_t (FILE ∗stream, ppl_const_Pointset_-Powerset_BD_Shape_int64_t_t x)
- int ppl_io_asprint_Pointset_Powerset_BD_Shape_int64_t (char ∗∗strp, ppl_const_Pointset_-Powerset_BD_Shape_int64_t_t x)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_ascii_dump (ppl_const_Pointset_Powerset_BD_-Shape_int64_t_t x, FILE ∗stream)
- int ppl_Pointset_Powerset_BD_Shape_int64_t_ascii_load (ppl_Pointset_Powerset_BD_Shape_-int64_t_t x, FILE ∗stream)

7.66.1 Detailed Description

Types and functions for ppl_Pointset_Powerset_BD_Shape_int64_t_tag.

7.66.2 Friends And Related Function Documentation

7.66.2.1 int ppl_delete_Pointset_Powerset_BD_Shape_int64_t (ppl_const_Pointset_Powerset_-BD_Shape_int64_t_t *ph*) [related]

7.66.2.2 int ppl_new_Pointset_Powerset_BD_Shape_int64_t_from_space_dimension (ppl_Pointset_Powerset_BD_Shape_int64_t_t ∗ *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.66.2.3 int ppl_new_Pointset_Powerset_BD_Shape_int64_t_from_Pointset_Powerset_BD_Shape_int64_t (ppl_Pointset_Powerset_BD_Shape_int64_t_t * *pph*, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *ph*) [related]

7.66.2.4 int ppl_new_Pointset_Powerset_BD_Shape_int64_t_from_BD_Shape_int64_t (ppl_Pointset_Powerset_BD_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.66.2.5 int ppl_new_Pointset_Powerset_BD_Shape_int64_t_from_Pointset_Powerset_BD_Shape_int64_t_with_complexity (ppl_Pointset_Powerset_BD_Shape_int64_t_t * *pph*, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.66.2.6 int ppl_new_Pointset_Powerset_BD_Shape_int64_t_from_BD_Shape_int64_t_with_complexity (ppl_Pointset_Powerset_BD_Shape_int64_t_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.66.2.7 int ppl_new_Pointset_Powerset_BD_Shape_int64_t_from_Constraint_System (ppl_Pointset_Powerset_BD_Shape_int64_t_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.66.2.8 int ppl_new_Pointset_Powerset_BD_Shape_int64_t_from_Congruence_System (ppl_Pointset_Powerset_BD_Shape_int64_t_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.66.2.9 int ppl_Pointset_Powerset_BD_Shape_int64_t_space_dimension (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_dimension_type * *m*) [related]

7.66.2.10 int ppl_Pointset_Powerset_BD_Shape_int64_t_affine_dimension (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_dimension_type * *m*) [related]

7.66.2.11 int ppl_Pointset_Powerset_BD_Shape_int64_t_relation_with_Constraint (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.66.2.12 int ppl_Pointset_Powerset_BD_Shape_int64_t_relation_with_Generator (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_const_Generator_t *c*) [related]

7.66.2.13 int ppl_Pointset_Powerset_BD_Shape_int64_t_relation_with_Congruence (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.66.2.14 int ppl_Pointset_Powerset_BD_Shape_int64_t_is_empty (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *ph*) [related]

7.66.2.15 int ppl_Pointset_Powerset_BD_Shape_int64_t_is_universe (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *ph*) [related]

7.66.2.16 int ppl_Pointset_Powerset_BD_Shape_int64_t_is_bounded (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *ph*) [related]

7.66.2.17 int ppl_Pointset_Powerset_BD_Shape_int64_t_contains_integer_point (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *ph*) [related]

7.66.2.18 int ppl_Pointset_Powerset_BD_Shape_int64_t_is_topologically_closed (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *ph*) [related]

7.66.2.19 int ppl_Pointset_Powerset_BD_Shape_int64_t_is_discrete (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *ph*) [related]

7.66.2.20 int ppl_Pointset_Powerset_BD_Shape_int64_t_topological_closure_assign (ppl_Pointset_Powerset_BD_Shape_int64_t_t *ph*) [related]

7.66.2.21 int ppl_Pointset_Powerset_BD_Shape_int64_t_pairwise_reduce (ppl_Pointset_Powerset_BD_Shape_int64_t_t *ph*) [related]

7.66.2.22 int ppl_Pointset_Powerset_BD_Shape_int64_t_omega_reduce (ppl_Pointset_Powerset_BD_Shape_int64_t_t *ph*) [related]

7.66.2.23 int ppl_Pointset_Powerset_BD_Shape_int64_t_bounds_from_above (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.66.2.24 int ppl_Pointset_Powerset_BD_Shape_int64_t_bounds_from_below (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.66.2.25 int ppl_Pointset_Powerset_BD_Shape_int64_t_maximize (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.66.2.26 int ppl_Pointset_Powerset_BD_Shape_int64_t_minimize (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.66.2.27 int ppl_Pointset_Powerset_BD_Shape_int64_t_maximize_with_point (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.66.2.28 int ppl_Pointset_Powerset_BD_Shape_int64_t_minimize_with_point (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.66.2.29 int ppl_Pointset_Powerset_BD_Shape_int64_t_contains_Pointset_Powerset_BD_Shape_int64_t (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *y*) [related]

7.66.2.30 int ppl_Pointset_Powerset_BD_Shape_int64_t_strictly_contains_Pointset_Powerset_BD_Shape_int64_t (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *y*) [related]

7.66.2.31 int ppl_Pointset_Powerset_BD_Shape_int64_t_is_disjoint_from_Pointset_Powerset_BD_Shape_int64_t (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *y*) [related]

7.66.2.32 int ppl_Pointset_Powerset_BD_Shape_int64_t_geometrically_covers_Pointset_Powerset_BD_Shape_int64_t (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *y*) [related]

7.66.2.33 int ppl_Pointset_Powerset_BD_Shape_int64_t_geometrically_equals_Pointset_Powerset_BD_Shape_int64_t (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *y*) [related]

7.66.2.34 int ppl_Pointset_Powerset_BD_Shape_int64_t_equals_Pointset_Powerset_BD_Shape_int64_t (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *y*) [related]

7.66.2.35 int ppl_Pointset_Powerset_BD_Shape_int64_t_OK (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *ph*) [related]

7.66.2.36 int ppl_Pointset_Powerset_BD_Shape_int64_t_add_constraint (ppl_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.66.2.37 int ppl_Pointset_Powerset_BD_Shape_int64_t_add_congruence (ppl_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.66.2.38 int ppl_Pointset_Powerset_BD_Shape_int64_t_add_constraints (ppl_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.66.2.39 int ppl_Pointset_Powerset_BD_Shape_int64_t_add_congruences (ppl_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.66.2.40 int ppl_Pointset_Powerset_BD_Shape_int64_t_refine_with_constraint (ppl_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.66.2.41 int ppl_Pointset_Powerset_BD_Shape_int64_t_refine_with_congruence (ppl_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.66.2.42 int ppl_Pointset_Powerset_BD_Shape_int64_t_refine_with_constraints (ppl_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.66.2.43 int ppl_Pointset_Powerset_BD_Shape_int64_t_refine_with_congruences (ppl_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.66.2.44 int ppl_Pointset_Powerset_BD_Shape_int64_t_intersection_assign (ppl_Pointset_-Powerset_BD_Shape_int64_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *y*) [related]

7.66.2.45 int ppl_Pointset_Powerset_BD_Shape_int64_t_upper_bound_assign (ppl_Pointset_-Powerset_BD_Shape_int64_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *y*) [related]

7.66.2.46 int ppl_Pointset_Powerset_BD_Shape_int64_t_difference_assign (ppl_Pointset_-Powerset_BD_Shape_int64_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *y*) [related]

7.66.2.47 int ppl_Pointset_Powerset_BD_Shape_int64_t_concatenate_assign (ppl_Pointset_-Powerset_BD_Shape_int64_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *y*) [related]

7.66.2.48 int ppl_Pointset_Powerset_BD_Shape_int64_t_time_elapse_assign (ppl_Pointset_-Powerset_BD_Shape_int64_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *y*) [related]

7.66.2.49 int ppl_Pointset_Powerset_BD_Shape_int64_t_upper_bound_assign_if_exact (ppl_Pointset_Powerset_BD_Shape_int64_t_t *x*, ppl_const_Pointset_Powerset_BD_-Shape_int64_t_t *y*) [related]

7.66.2.50 int ppl_Pointset_Powerset_BD_Shape_int64_t_simplify_using_-context_assign (ppl_Pointset_Powerset_BD_Shape_int64_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *y*) [related]

7.66.2.51 int ppl_Pointset_Powerset_BD_Shape_int64_t_constrains (ppl_-Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_dimension_type *var*) [related]

7.66.2.52 int ppl_Pointset_Powerset_BD_Shape_int64_t_unconstrain_space_dimension (ppl_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_dimension_type *var*) [related]

7.66.2.53 int ppl_Pointset_Powerset_BD_Shape_int64_t_unconstrain_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.66.2.54 int ppl_Pointset_Powerset_BD_Shape_int64_t_affine_image (ppl_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.66.2.55 int ppl_Pointset_Powerset_BD_Shape_int64_t_affine_preimage (ppl_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.66.2.56 int ppl_Pointset_Powerset_BD_Shape_int64_t_bounded_affine_image (ppl_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.66.2.57 int ppl_Pointset_Powerset_BD_Shape_int64_t_bounded_affine_preimage (ppl_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.66.2.58 int ppl_Pointset_Powerset_BD_Shape_int64_t_generalized_affine_image (ppl_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.66.2.59 int ppl_Pointset_Powerset_BD_Shape_int64_t_generalized_affine_preimage (ppl_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.66.2.60 int ppl_Pointset_Powerset_BD_Shape_int64_t_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.66.2.61 int ppl_Pointset_Powerset_BD_Shape_int64_t_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.66.2.62 int ppl_Pointset_Powerset_BD_Shape_int64_t_add_space_dimensions_and_embed (ppl_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_dimension_type *d*) [related]

7.66.2.63 int ppl_Pointset_Powerset_BD_Shape_int64_t_add_space_dimensions_and_project (ppl_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_dimension_type *d*) [related]

7.66.2.64 int ppl_Pointset_Powerset_BD_Shape_int64_t_remove_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.66.2.65 int ppl_Pointset_Powerset_BD_Shape_int64_t_remove_higher_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_dimension_type *d*) [related]

7.66.2.66 int ppl_Pointset_Powerset_BD_Shape_int64_t_expand_space_dimension (ppl_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.66.2.67 int ppl_Pointset_Powerset_BD_Shape_int64_t_fold_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.66.2.68 int ppl_Pointset_Powerset_BD_Shape_int64_t_map_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.66.2.69 int ppl_Pointset_Powerset_BD_Shape_int64_t_drop_some_non_integer_points (ppl_Pointset_Powerset_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.66.2.70 int ppl_Pointset_Powerset_BD_Shape_int64_t_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_BD_Shape_int64_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.66.2.71 int ppl_Pointset_Powerset_BD_Shape_int64_t_external_memory_in_bytes (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *ps*, size_t * *sz*) [related]

7.66.2.72 int ppl_Pointset_Powerset_BD_Shape_int64_t_total_memory_in_bytes (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *ps*, size_t * *sz*) [related]

7.66.2.73 int ppl_Pointset_Powerset_BD_Shape_int64_t_size (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *ps*, size_t * *sz*) [related]

7.66.2.74 int ppl_Pointset_Powerset_BD_Shape_int64_t_add_disjunct (ppl_Pointset_Powerset_BD_Shape_int64_t_t *ps*, ppl_const_BD_Shape_int64_t_t *d*) [related]

7.66.2.75 int ppl_Pointset_Powerset_BD_Shape_int64_t_drop_disjunct (ppl_Pointset_Powerset_BD_Shape_int64_t_t *ps*, ppl_const_Pointset_Powerset_BD_Shape_int64_t_iterator_t *cit*, ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_t *it*) [related]

7.66.2.76 int ppl_Pointset_Powerset_BD_Shape_int64_t_drop_disjuncts (ppl_Pointset_Powerset_BD_Shape_int64_t_t *ps*, ppl_const_Pointset_Powerset_BD_Shape_int64_t_iterator_t *first*, ppl_const_Pointset_Powerset_BD_Shape_int64_t_iterator_t *last*) [related]

7.66.2.77 int ppl_Pointset_Powerset_BD_Shape_int64_t_BHZ03_H79_BHMZ05_widening_assign (ppl_Pointset_Powerset_BD_Shape_int64_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *y*) [related]

7.66.2.78 int ppl_Pointset_Powerset_BD_Shape_int64_t_BHZ03_H79_H79_widening_assign (ppl_Pointset_Powerset_BD_Shape_int64_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *y*) [related]

7.66.2.79 int ppl_Pointset_Powerset_BD_Shape_int64_t_BGP99_BHMZ05_extrapolation_assign (ppl_Pointset_Powerset_BD_Shape_int64_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *y*, int *disjuncts*) [related]

7.66.2.80 int ppl_Pointset_Powerset_BD_Shape_int64_t_BGP99_H79_extrapolation_assign (ppl_Pointset_Powerset_BD_Shape_int64_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *y*, int *disjuncts*) [related]

7.66.2.81 int ppl_io_print_Pointset_Powerset_BD_Shape_int64_t (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *x*) [related]

7.66.2.82 int ppl_io_fprint_Pointset_Powerset_BD_Shape_int64_t (FILE * *stream*, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *x*) [related]

7.66.2.83 int ppl_io_asprint_Pointset_Powerset_BD_Shape_int64_t (char ** *strp*, ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *x*) [related]

7.66.2.84 int ppl_Pointset_Powerset_BD_Shape_int64_t_ascii_dump (ppl_const_Pointset_Powerset_BD_Shape_int64_t_t *x*, FILE * *stream*) [related]

7.66.2.85 int ppl_Pointset_Powerset_BD_Shape_int64_t_ascii_load (ppl_Pointset_Powerset_BD_Shape_int64_t_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.67 ppl_Pointset_Powerset_BD_Shape_int8_t_const_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_BD_Shape_int8_t_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_BD_Shape_int8_t_const_iterator (ppl_Pointset_Powerset_BD_Shape_int8_t_const_iterator_t *pit)
- int ppl_new_Pointset_Powerset_BD_Shape_int8_t_const_iterator_from_const_iterator (ppl_Pointset_Powerset_BD_Shape_int8_t_const_iterator_t *px, ppl_const_Pointset_Powerset_BD_Shape_int8_t_const_iterator_t y)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_const_iterator_begin (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t ps, ppl_Pointset_Powerset_BD_Shape_int8_t_const_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_const_iterator_end (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t ps, ppl_Pointset_Powerset_BD_Shape_int8_t_const_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_const_iterator_equal_test (ppl_const_Pointset_Powerset_BD_Shape_int8_t_const_iterator_t x, ppl_const_Pointset_Powerset_BD_Shape_int8_t_const_iterator_t y)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_const_iterator_increment (ppl_Pointset_Powerset_BD_Shape_int8_t_const_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_const_iterator_decrement (ppl_Pointset_Powerset_BD_Shape_int8_t_const_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_const_iterator_dereference (ppl_const_Pointset_Powerset_BD_Shape_int8_t_const_iterator_t ps, ppl_const_BD_Shape_int8_t_t *d)
- int ppl_delete_Pointset_Powerset_BD_Shape_int8_t_const_iterator (ppl_const_Pointset_Powerset_BD_Shape_int8_t_const_iterator_t psit)

7.67.1 Detailed Description

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_BD_Shape_int8_t_tag.

7.67.2 Friends And Related Function Documentation

7.67.2.1 int ppl_new_Pointset_Powerset_BD_Shape_int8_t_const_iterator (ppl_Pointset_Powerset_BD_Shape_int8_t_const_iterator_t * *pit*) [related]

7.67.2.2 int ppl_new_Pointset_Powerset_BD_Shape_int8_t_const_iterator_from_const_iterator (ppl_Pointset_Powerset_BD_Shape_int8_t_const_iterator_t * *px*, ppl_const_Pointset_Powerset_BD_Shape_int8_t_const_iterator_t *y*) [related]

7.67.2.3 int ppl_Pointset_Powerset_BD_Shape_int8_t_const_iterator_begin (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *ps*, ppl_Pointset_Powerset_BD_Shape_int8_t_const_iterator_t *psit*) [related]

7.67.2.4 int ppl_Pointset_Powerset_BD_Shape_int8_t_const_iterator_end (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *ps*, ppl_Pointset_Powerset_BD_Shape_int8_t_const_iterator_t *psit*) [related]

7.67.2.5 int ppl_Pointset_Powerset_BD_Shape_int8_t_const_iterator_equal_test (ppl_const_Pointset_Powerset_BD_Shape_int8_t_const_iterator_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int8_t_const_iterator_t *y*) [related]

7.67.2.6 int ppl_Pointset_Powerset_BD_Shape_int8_t_const_iterator_increment (ppl_Pointset_Powerset_BD_Shape_int8_t_const_iterator_t *psit*) [related]

7.67.2.7 int ppl_Pointset_Powerset_BD_Shape_int8_t_const_iterator_decrement (ppl_Pointset_Powerset_BD_Shape_int8_t_const_iterator_t *psit*) [related]

7.67.2.8 int ppl_Pointset_Powerset_BD_Shape_int8_t_const_iterator_dereference (ppl_const_Pointset_Powerset_BD_Shape_int8_t_const_iterator_t *ps*, ppl_const_BD_Shape_int8_t_t * *d*) [related]

7.67.2.9 int ppl_delete_Pointset_Powerset_BD_Shape_int8_t_const_iterator (ppl_const_Pointset_Powerset_BD_Shape_int8_t_const_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.68 ppl_Pointset_Powerset_BD_Shape_int8_t_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_BD_Shape_int8_t_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_BD_Shape_int8_t_iterator (ppl_Pointset_Powerset_BD_Shape_int8_t_iterator_t *pit)
- int ppl_new_Pointset_Powerset_BD_Shape_int8_t_iterator_from_iterator (ppl_Pointset_Powerset_BD_Shape_int8_t_iterator_t *px, ppl_const_Pointset_Powerset_BD_Shape_int8_t_iterator_t y)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_iterator_begin (ppl_Pointset_Powerset_BD_Shape_int8_t_t ps, ppl_Pointset_Powerset_BD_Shape_int8_t_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_iterator_end (ppl_Pointset_Powerset_BD_Shape_int8_t_t ps, ppl_Pointset_Powerset_BD_Shape_int8_t_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_iterator_equal_test (ppl_const_Pointset_Powerset_BD_Shape_int8_t_iterator_t x, ppl_const_Pointset_Powerset_BD_Shape_int8_t_iterator_t y)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_iterator_increment (ppl_Pointset_Powerset_BD_Shape_int8_t_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_iterator_decrement (ppl_Pointset_Powerset_BD_Shape_int8_t_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_iterator_dereference (ppl_const_Pointset_Powerset_BD_Shape_int8_t_iterator_t ps, ppl_const_BD_Shape_int8_t_t *d)
- int ppl_delete_Pointset_Powerset_BD_Shape_int8_t_iterator (ppl_const_Pointset_Powerset_BD_Shape_int8_t_iterator_t psit)

7.68.1 Detailed Description

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_BD_Shape_int8_t_tag.

7.68.2 Friends And Related Function Documentation

7.68.2.1 int ppl_new_Pointset_Powerset_BD_Shape_int8_t_iterator (ppl_Pointset_Powerset_BD_Shape_int8_t_iterator_t * *pit*) [related]

7.68.2.2 int ppl_new_Pointset_Powerset_BD_Shape_int8_t_iterator_from_iterator (ppl_Pointset_Powerset_BD_Shape_int8_t_iterator_t * *px*, ppl_const_Pointset_Powerset_BD_Shape_int8_t_iterator_t *y*) [related]

7.68.2.3 int ppl_Pointset_Powerset_BD_Shape_int8_t_iterator_begin (ppl_Pointset_Powerset_BD_Shape_int8_t_t *ps*, ppl_Pointset_Powerset_BD_Shape_int8_t_iterator_t *psit*) [related]

7.68.2.4 int ppl_Pointset_Powerset_BD_Shape_int8_t_iterator_end (ppl_Pointset_Powerset_BD_Shape_int8_t_t *ps*, ppl_Pointset_Powerset_BD_Shape_int8_t_iterator_t *psit*) [related]

7.68.2.5 int ppl_Pointset_Powerset_BD_Shape_int8_t_iterator_equal_test (ppl_const_Pointset_Powerset_BD_Shape_int8_t_iterator_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int8_t_iterator_t *y*) [related]

7.68.2.6 int ppl_Pointset_Powerset_BD_Shape_int8_t_iterator_increment (ppl_Pointset_Powerset_BD_Shape_int8_t_iterator_t *psit*) [related]

7.68.2.7 int ppl_Pointset_Powerset_BD_Shape_int8_t_iterator_decrement (ppl_Pointset_Powerset_BD_Shape_int8_t_iterator_t *psit*) [related]

7.68.2.8 int ppl_Pointset_Powerset_BD_Shape_int8_t_iterator_dereference (ppl_const_Pointset_Powerset_BD_Shape_int8_t_iterator_t *ps*, ppl_const_BD_Shape_int8_t_t * *d*) [related]

7.68.2.9 int ppl_delete_Pointset_Powerset_BD_Shape_int8_t_iterator (ppl_const_Pointset_Powerset_BD_Shape_int8_t_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.69 ppl_Pointset_Powerset_BD_Shape_int8_t_tag Interface Reference

Types and functions for ppl_Pointset_Powerset_BD_Shape_int8_t_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Pointset_Powerset_BD_Shape_int8_t (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t ph)
- int ppl_new_Pointset_Powerset_BD_Shape_int8_t_from_space_dimension (ppl_Pointset_Powerset_BD_Shape_int8_t_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Pointset_Powerset_BD_Shape_int8_t_from_Pointset_Powerset_BD_Shape_int8_t (ppl_Pointset_Powerset_BD_Shape_int8_t_t *pph, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t ph)
- int ppl_new_Pointset_Powerset_BD_Shape_int8_t_from_BD_Shape_int8_t (ppl_Pointset_Powerset_BD_Shape_int8_t_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_Pointset_Powerset_BD_Shape_int8_t_from_Pointset_Powerset_BD_Shape_int8_t_with_complexity (ppl_Pointset_Powerset_BD_Shape_int8_t_t *pph, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t ph, int complexity)
- int ppl_new_Pointset_Powerset_BD_Shape_int8_t_from_BD_Shape_int8_t_with_complexity (ppl_Pointset_Powerset_BD_Shape_int8_t_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)
- int ppl_new_Pointset_Powerset_BD_Shape_int8_t_from_Constraint_System (ppl_Pointset_Powerset_BD_Shape_int8_t_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Pointset_Powerset_BD_Shape_int8_t_from_Congruence_System (ppl_Pointset_Powerset_BD_Shape_int8_t_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_space_dimension (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_affine_dimension (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_relation_with_Constraint (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_relation_with_Generator (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_const_Generator_t c)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_relation_with_Congruence (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_is_empty (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_is_universe (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t ph)

- int ppl_Pointset_Powerset_BD_Shape_int8_t_is_bounded (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_contains_integer_point (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_is_topologically_closed (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_is_discrete (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_topological_closure_assign (ppl_Pointset_Powerset_BD_Shape_int8_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_pairwise_reduce (ppl_Pointset_Powerset_BD_Shape_int8_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_omega_reduce (ppl_Pointset_Powerset_BD_Shape_int8_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_bounds_from_above (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_bounds_from_below (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_maximize (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_minimize (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_maximize_with_point (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_minimize_with_point (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_contains_Pointset_Powerset_BD_Shape_int8_t (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_strictly_contains_Pointset_Powerset_BD_Shape_int8_t (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_is_disjoint_from_Pointset_Powerset_BD_Shape_int8_t (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_geometrically_covers_Pointset_Powerset_BD_Shape_int8_t (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_geometrically_equals_Pointset_Powerset_BD_Shape_int8_t (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_equals_Pointset_Powerset_BD_Shape_int8_t (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_OK (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t ph)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_add_constraint (ppl_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_const_Constraint_t c)

- int ppl_Pointset_Powerset_BD_Shape_int8_t_add_congruence (ppl_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_add_constraints (ppl_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_add_congruences (ppl_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_refine_with_constraint (ppl_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_refine_with_congruence (ppl_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_refine_with_constraints (ppl_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_refine_with_congruences (ppl_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_intersection_assign (ppl_Pointset_Powerset_BD_Shape_int8_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_upper_bound_assign (ppl_Pointset_Powerset_BD_Shape_int8_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_difference_assign (ppl_Pointset_Powerset_BD_Shape_int8_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_concatenate_assign (ppl_Pointset_Powerset_BD_Shape_int8_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_time_elapse_assign (ppl_Pointset_Powerset_BD_Shape_int8_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_upper_bound_assign_if_exact (ppl_Pointset_Powerset_BD_Shape_int8_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_simplify_using_context_assign (ppl_Pointset_Powerset_BD_Shape_int8_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_constrains (ppl_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_unconstrain_space_dimension (ppl_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_unconstrain_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_affine_image (ppl_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_affine_preimage (ppl_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_bounded_affine_image (ppl_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_bounded_affine_preimage (ppl_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_generalized_affine_image (ppl_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_generalized_affine_preimage (ppl_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)

- int ppl_Pointset_Powerset_BD_Shape_int8_t_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_add_space_dimensions_and_embed (ppl_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_add_space_dimensions_and_project (ppl_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_remove_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_remove_higher_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_expand_space_dimension (ppl_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_fold_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_map_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_drop_some_non_integer_points (ppl_Pointset_Powerset_BD_Shape_int8_t_t ph, int complexity)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_BD_Shape_int8_t_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_external_memory_in_bytes (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t ps, size_t *sz)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_total_memory_in_bytes (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t ps, size_t *sz)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_size (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t ps, size_t *sz)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_add_disjunct (ppl_Pointset_Powerset_BD_Shape_int8_t_t ps, ppl_const_BD_Shape_int8_t_t d)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_drop_disjunct (ppl_Pointset_Powerset_BD_Shape_int8_t_t ps, ppl_const_Pointset_Powerset_BD_Shape_int8_t_iterator_t cit, ppl_Pointset_Powerset_BD_Shape_int8_t_iterator_t it)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_drop_disjuncts (ppl_Pointset_Powerset_BD_Shape_int8_t_t ps, ppl_const_Pointset_Powerset_BD_Shape_int8_t_iterator_t first, ppl_const_Pointset_Powerset_BD_Shape_int8_t_iterator_t last)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_BHZ03_H79_BHMZ05_widening_assign (ppl_Pointset_Powerset_BD_Shape_int8_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_BHZ03_H79_H79_widening_assign (ppl_Pointset_Powerset_BD_Shape_int8_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t y)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_BGP99_BHMZ05_extrapolation_assign (ppl_Pointset_Powerset_BD_Shape_int8_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t y, int disjuncts)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_BGP99_H79_extrapolation_assign (ppl_Pointset_Powerset_BD_Shape_int8_t_t x, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t y, int disjuncts)
- int ppl_io_print_Pointset_Powerset_BD_Shape_int8_t (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t x)
- int ppl_io_fprint_Pointset_Powerset_BD_Shape_int8_t (FILE *stream, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t x)

- int ppl_io_asprint_Pointset_Powerset_BD_Shape_int8_t (char **strp, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t x)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_ascii_dump (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t x, FILE *stream)
- int ppl_Pointset_Powerset_BD_Shape_int8_t_ascii_load (ppl_Pointset_Powerset_BD_Shape_int8_t_t x, FILE *stream)

7.69.1 Detailed Description

Types and functions for ppl_Pointset_Powerset_BD_Shape_int8_t_tag.

7.69.2 Friends And Related Function Documentation

7.69.2.1 int ppl_delete_Pointset_Powerset_BD_Shape_int8_t (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *ph*) [related]

7.69.2.2 int ppl_new_Pointset_Powerset_BD_Shape_int8_t_from_space_dimension (ppl_Pointset_Powerset_BD_Shape_int8_t_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.69.2.3 int ppl_new_Pointset_Powerset_BD_Shape_int8_t_from_Pointset_Powerset_BD_Shape_int8_t (ppl_Pointset_Powerset_BD_Shape_int8_t_t * *pph*, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *ph*) [related]

7.69.2.4 int ppl_new_Pointset_Powerset_BD_Shape_int8_t_from_BD_Shape_int8_t (ppl_Pointset_Powerset_BD_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.69.2.5 int ppl_new_Pointset_Powerset_BD_Shape_int8_t_from_Pointset_Powerset_BD_Shape_int8_t_with_complexity (ppl_Pointset_Powerset_BD_Shape_int8_t_t * *pph*, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.69.2.6 int ppl_new_Pointset_Powerset_BD_Shape_int8_t_from_BD_Shape_int8_t_with_complexity (ppl_Pointset_Powerset_BD_Shape_int8_t_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.69.2.7 int ppl_new_Pointset_Powerset_BD_Shape_int8_t_from_Constraint_System (ppl_Pointset_Powerset_BD_Shape_int8_t_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.69.2.8 int ppl_new_Pointset_Powerset_BD_Shape_int8_t_from_Congruence_System (ppl_Pointset_Powerset_BD_Shape_int8_t_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.69.2.9 int ppl_Pointset_Powerset_BD_Shape_int8_t_space_dimension (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_dimension_type * *m*) [related]

7.69.2.10 int ppl_Pointset_Powerset_BD_Shape_int8_t_affine_dimension (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_dimension_type * *m*) [related]

7.69.2.11 int ppl_Pointset_Powerset_BD_Shape_int8_t_relation_with_Constraint (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.69.2.12 int ppl_Pointset_Powerset_BD_Shape_int8_t_relation_with_Generator (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_const_Generator_t *c*) [related]

7.69.2.13 int ppl_Pointset_Powerset_BD_Shape_int8_t_relation_with_Congruence (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.69.2.14 int ppl_Pointset_Powerset_BD_Shape_int8_t_is_empty (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *ph*) [related]

7.69.2.15 int ppl_Pointset_Powerset_BD_Shape_int8_t_is_universe (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *ph*) [related]

7.69.2.16 int ppl_Pointset_Powerset_BD_Shape_int8_t_is_bounded (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *ph*) [related]

7.69.2.17 int ppl_Pointset_Powerset_BD_Shape_int8_t_contains_integer_point (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *ph*) [related]

7.69.2.18 int ppl_Pointset_Powerset_BD_Shape_int8_t_is_topologically_closed (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *ph*) [related]

7.69.2.19 int ppl_Pointset_Powerset_BD_Shape_int8_t_is_discrete (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *ph*) [related]

7.69.2.20 int ppl_Pointset_Powerset_BD_Shape_int8_t_topological_closure_assign (ppl_Pointset_Powerset_BD_Shape_int8_t_t *ph*) [related]

7.69.2.21 int ppl_Pointset_Powerset_BD_Shape_int8_t_pairwise_reduce (ppl_Pointset_Powerset_BD_Shape_int8_t_t *ph*) [related]

7.69.2.22 int ppl_Pointset_Powerset_BD_Shape_int8_t_omega_reduce (ppl_Pointset_Powerset_BD_Shape_int8_t_t *ph*) [related]

7.69.2.23 int ppl_Pointset_Powerset_BD_Shape_int8_t_bounds_from_above (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.69.2.24 int ppl_Pointset_Powerset_BD_Shape_int8_t_bounds_from_below (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.69.2.25 int ppl_Pointset_Powerset_BD_Shape_int8_t_maximize (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.69.2.26 int ppl_Pointset_Powerset_BD_Shape_int8_t_minimize (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.69.2.27 int ppl_Pointset_Powerset_BD_Shape_int8_t_maximize_with_point (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.69.2.28 int ppl_Pointset_Powerset_BD_Shape_int8_t_minimize_with_point (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.69.2.29 int ppl_Pointset_Powerset_BD_Shape_int8_t_contains_Pointset_Powerset_BD_Shape_int8_t (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *y*) [related]

7.69.2.30 int ppl_Pointset_Powerset_BD_Shape_int8_t_strictly_contains_Pointset_Powerset_BD_Shape_int8_t (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *y*) [related]

7.69.2.31 int ppl_Pointset_Powerset_BD_Shape_int8_t_is_disjoint_from_Pointset_Powerset_BD_Shape_int8_t (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *y*) [related]

7.69.2.32 int ppl_Pointset_Powerset_BD_Shape_int8_t_geometrically_covers_Pointset_Powerset_BD_Shape_int8_t (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *y*) [related]

7.69.2.33 int ppl_Pointset_Powerset_BD_Shape_int8_t_geometrically_equals_Pointset_Powerset_BD_Shape_int8_t (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *y*) [related]

7.69.2.34 int ppl_Pointset_Powerset_BD_Shape_int8_t_equals_Pointset_Powerset_BD_Shape_int8_t (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *y*) [related]

7.69.2.35 int ppl_Pointset_Powerset_BD_Shape_int8_t_OK (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *ph*) [related]

7.69.2.36 int ppl_Pointset_Powerset_BD_Shape_int8_t_add_constraint (ppl_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.69.2.37 int ppl_Pointset_Powerset_BD_Shape_int8_t_add_congruence (ppl_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.69.2.38 int ppl_Pointset_Powerset_BD_Shape_int8_t_add_constraints (ppl_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.69.2.39 int ppl_Pointset_Powerset_BD_Shape_int8_t_add_congruences (ppl_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.69.2.40 int ppl_Pointset_Powerset_BD_Shape_int8_t_refine_with_constraint (ppl_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.69.2.41 int ppl_Pointset_Powerset_BD_Shape_int8_t_refine_with_congruence (ppl_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.69.2.42 int ppl_Pointset_Powerset_BD_Shape_int8_t_refine_with_constraints (ppl_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.69.2.43 int ppl_Pointset_Powerset_BD_Shape_int8_t_refine_with_congruences (ppl_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.69.2.44 int ppl_Pointset_Powerset_BD_Shape_int8_t_intersection_assign (ppl_Pointset_Powerset_BD_Shape_int8_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *y*) [related]

7.69.2.45 int ppl_Pointset_Powerset_BD_Shape_int8_t_upper_bound_assign (ppl_Pointset_Powerset_BD_Shape_int8_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *y*) [related]

7.69.2.46 int ppl_Pointset_Powerset_BD_Shape_int8_t_difference_assign (ppl_Pointset_Powerset_BD_Shape_int8_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *y*) [related]

7.69.2.47 int ppl_Pointset_Powerset_BD_Shape_int8_t_concatenate_assign (ppl_Pointset_Powerset_BD_Shape_int8_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *y*) [related]

7.69.2.48 int ppl_Pointset_Powerset_BD_Shape_int8_t_time_elapse_assign (ppl_Pointset_Powerset_BD_Shape_int8_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *y*) [related]

7.69.2.49 int ppl_Pointset_Powerset_BD_Shape_int8_t_upper_bound_assign_if_exact (ppl_Pointset_Powerset_BD_Shape_int8_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *y*) [related]

7.69.2.50 int ppl_Pointset_Powerset_BD_Shape_int8_t_simplify_using_context_assign (ppl_Pointset_Powerset_BD_Shape_int8_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *y*) [related]

7.69.2.51 int ppl_Pointset_Powerset_BD_Shape_int8_t_constrains (ppl_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_dimension_type *var*) [related]

7.69.2.52 int ppl_Pointset_Powerset_BD_Shape_int8_t_unconstrain_space_dimension (ppl_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_dimension_type *var*) [related]

7.69.2.53 int ppl_Pointset_Powerset_BD_Shape_int8_t_unconstrain_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.69.2.54 int ppl_Pointset_Powerset_BD_Shape_int8_t_affine_image (ppl_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.69.2.55 int ppl_Pointset_Powerset_BD_Shape_int8_t_affine_preimage (ppl_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.69.2.56 int ppl_Pointset_Powerset_BD_Shape_int8_t_bounded_affine_image (ppl_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.69.2.57 int ppl_Pointset_Powerset_BD_Shape_int8_t_bounded_affine_preimage (ppl_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.69.2.58 int ppl_Pointset_Powerset_BD_Shape_int8_t_generalized_affine_image (ppl_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.69.2.59 int ppl_Pointset_Powerset_BD_Shape_int8_t_generalized_affine_preimage (ppl_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.69.2.60 int ppl_Pointset_Powerset_BD_Shape_int8_t_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.69.2.61 int ppl_Pointset_Powerset_BD_Shape_int8_t_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.69.2.62 int ppl_Pointset_Powerset_BD_Shape_int8_t_add_space_dimensions_and_embed (ppl_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_dimension_type *d*) [related]

7.69.2.63 int ppl_Pointset_Powerset_BD_Shape_int8_t_add_space_dimensions_and_project (ppl_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_dimension_type *d*) [related]

7.69.2.64 int ppl_Pointset_Powerset_BD_Shape_int8_t_remove_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.69.2.65 int ppl_Pointset_Powerset_BD_Shape_int8_t_remove_higher_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_dimension_type *d*) [related]

7.69.2.66 int ppl_Pointset_Powerset_BD_Shape_int8_t_expand_space_dimension (ppl_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.69.2.67 int ppl_Pointset_Powerset_BD_Shape_int8_t_fold_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.69.2.68 int ppl_Pointset_Powerset_BD_Shape_int8_t_map_space_dimensions (ppl_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.69.2.69 int ppl_Pointset_Powerset_BD_Shape_int8_t_drop_some_non_integer_points (ppl_Pointset_Powerset_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.69.2.70 int ppl_Pointset_Powerset_BD_Shape_int8_t_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_BD_Shape_int8_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.69.2.71 int ppl_Pointset_Powerset_BD_Shape_int8_t_external_memory_in_bytes (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *ps*, size_t * *sz*) [related]

7.69.2.72 int ppl_Pointset_Powerset_BD_Shape_int8_t_total_memory_in_bytes (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *ps*, size_t * *sz*) [related]

7.69.2.73 int ppl_Pointset_Powerset_BD_Shape_int8_t_size (ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *ps*, size_t * *sz*) [related]

7.69.2.74 int ppl_Pointset_Powerset_BD_Shape_int8_t_add_disjunct (ppl_Pointset_Powerset_BD_Shape_int8_t_t *ps*, ppl_const_BD_Shape_int8_t_t *d*) [related]

7.69.2.75 int ppl_Pointset_Powerset_BD_Shape_int8_t_drop_disjunct (ppl_Pointset_Powerset_BD_Shape_int8_t_t *ps*, ppl_const_Pointset_Powerset_BD_Shape_int8_t_iterator_t *cit*, ppl_Pointset_Powerset_BD_Shape_int8_t_iterator_t *it*) [related]

7.69.2.76 int ppl_Pointset_Powerset_BD_Shape_int8_t_drop_disjuncts (ppl_Pointset_Powerset_BD_Shape_int8_t_t *ps*, ppl_const_Pointset_Powerset_BD_Shape_int8_t_iterator_t *first*, ppl_const_Pointset_Powerset_BD_Shape_int8_t_iterator_t *last*) [related]

7.69.2.77 int ppl_Pointset_Powerset_BD_Shape_int8_t_BHZ03_H79_BHMZ05_widening_assign (ppl_Pointset_Powerset_BD_Shape_int8_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *y*) [related]

7.69.2.78 int ppl_Pointset_Powerset_BD_Shape_int8_t_BHZ03_H79_H79_widening_assign (ppl_Pointset_Powerset_BD_Shape_int8_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *y*) [related]

7.69.2.79 int ppl_Pointset_Powerset_BD_Shape_int8_t_BGP99_BHMZ05_-extrapolation_assign (ppl_Pointset_Powerset_BD_Shape_int8_t_t *x*, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *y*, int *disjuncts*) [related]

7.69.2.80 int ppl_Pointset_Powerset_BD_Shape_int8_t_BGP99_H79_extrapolation_assign (ppl_Pointset_Powerset_BD_Shape_int8_t_t *x*, ppl_const_Pointset_Powerset_BD_-Shape_int8_t_t *y*, int *disjuncts*) [related]

7.69.2.81 int ppl_io_print_Pointset_Powerset_BD_Shape_int8_t (ppl_const_Pointset_Powerset_-BD_Shape_int8_t_t *x*) [related]

7.69.2.82 int ppl_io_fprint_Pointset_Powerset_BD_Shape_int8_t (FILE * *stream*, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *x*) [related]

7.69.2.83 int ppl_io_asprint_Pointset_Powerset_BD_Shape_int8_t (char ** *strp*, ppl_const_Pointset_Powerset_BD_Shape_int8_t_t *x*) [related]

7.69.2.84 int ppl_Pointset_Powerset_BD_Shape_int8_t_ascii_dump (ppl_-const_Pointset_Powerset_BD_Shape_int8_t_t *x*, FILE * *stream*) [related]

7.69.2.85 int ppl_Pointset_Powerset_BD_Shape_int8_t_ascii_load (ppl_Pointset_Powerset_BD_-Shape_int8_t_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.70 ppl_Pointset_Powerset_BD_Shape_long_double_const_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_BD_Shape_long_-double_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_BD_Shape_long_double_const_iterator (ppl_Pointset_Powerset_BD_Shape_long_double_const_iterator_t *pit)
- int ppl_new_Pointset_Powerset_BD_Shape_long_double_const_iterator_from_const_iterator (ppl_Pointset_Powerset_BD_Shape_long_double_const_iterator_t *px, ppl_const_Pointset_Powerset_BD_Shape_long_double_const_iterator_t y)
- int ppl_Pointset_Powerset_BD_Shape_long_double_const_iterator_begin (ppl_const_Pointset_Powerset_BD_Shape_long_double_t ps, ppl_Pointset_Powerset_BD_Shape_long_double_const_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_long_double_const_iterator_end (ppl_const_Pointset_Powerset_BD_Shape_long_double_t ps, ppl_Pointset_Powerset_BD_Shape_long_double_const_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_long_double_const_iterator_equal_test (ppl_const_Pointset_Powerset_BD_Shape_long_double_const_iterator_t x, ppl_const_Pointset_Powerset_BD_Shape_long_double_const_iterator_t y)
- int ppl_Pointset_Powerset_BD_Shape_long_double_const_iterator_increment (ppl_Pointset_Powerset_BD_Shape_long_double_const_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_long_double_const_iterator_decrement (ppl_Pointset_Powerset_BD_Shape_long_double_const_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_long_double_const_iterator_dereference (ppl_const_Pointset_Powerset_BD_Shape_long_double_const_iterator_t ps, ppl_const_BD_Shape_long_double_t *d)
- int ppl_delete_Pointset_Powerset_BD_Shape_long_double_const_iterator (ppl_const_Pointset_Powerset_BD_Shape_long_double_const_iterator_t psit)

7.70.1 Detailed Description

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_BD_Shape_long_double_tag.

7.70.2 Friends And Related Function Documentation

7.70.2.1 int ppl_new_Pointset_Powerset_BD_Shape_long_double_const_iterator (ppl_Pointset_Powerset_BD_Shape_long_double_const_iterator_t * *pit*) [related]

7.70.2.2 int ppl_new_Pointset_Powerset_BD_Shape_long_double_const_iterator_from_const_iterator (ppl_Pointset_Powerset_BD_Shape_long_double_const_iterator_t * *px*, ppl_const_Pointset_Powerset_BD_Shape_long_double_const_iterator_t *y*) [related]

7.70.2.3 int ppl_Pointset_Powerset_BD_Shape_long_double_const_iterator_begin (ppl_const_Pointset_Powerset_BD_Shape_long_double_t *ps*, ppl_Pointset_Powerset_BD_Shape_long_double_const_iterator_t *psit*) [related]

7.70.2.4 int ppl_Pointset_Powerset_BD_Shape_long_double_const_iterator_-end (ppl_const_Pointset_Powerset_BD_Shape_long_double_t *ps*, ppl_Pointset_Powerset_BD_Shape_long_double_const_iterator_t *psit*) [related]

7.70.2.5 int ppl_Pointset_Powerset_BD_Shape_long_double_const_iterator_equal_test (ppl_const_Pointset_Powerset_BD_Shape_long_double_const_iterator_t *x*, ppl_const_Pointset_Powerset_BD_Shape_long_double_const_iterator_t *y*) [related]

7.70.2.6 int ppl_Pointset_Powerset_BD_Shape_long_double_const_iterator_increment (ppl_Pointset_Powerset_BD_Shape_long_double_const_iterator_t *psit*) [related]

7.70.2.7 int ppl_Pointset_Powerset_BD_Shape_long_double_const_iterator_decrement (ppl_Pointset_Powerset_BD_Shape_long_double_const_iterator_t *psit*) [related]

7.70.2.8 int ppl_Pointset_Powerset_BD_Shape_long_double_const_iterator_dereference (ppl_const_Pointset_Powerset_BD_Shape_long_double_const_iterator_t *ps*, ppl_const_BD_Shape_long_double_t * *d*) [related]

7.70.2.9 int ppl_delete_Pointset_Powerset_BD_Shape_long_double_const_iterator (ppl_const_Pointset_Powerset_BD_Shape_long_double_const_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.71 ppl_Pointset_Powerset_BD_Shape_long_double_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_BD_Shape_long_double_-tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_BD_Shape_long_double_iterator (ppl_Pointset_Powerset_BD_-Shape_long_double_iterator_t *pit)
- int ppl_new_Pointset_Powerset_BD_Shape_long_double_iterator_from_iterator (ppl_Pointset_-Powerset_BD_Shape_long_double_iterator_t *px, ppl_const_Pointset_Powerset_BD_Shape_-long_double_iterator_t y)
- int ppl_Pointset_Powerset_BD_Shape_long_double_iterator_begin (ppl_Pointset_Powerset_BD_-Shape_long_double_t ps, ppl_Pointset_Powerset_BD_Shape_long_double_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_long_double_iterator_end (ppl_Pointset_Powerset_BD_-Shape_long_double_t ps, ppl_Pointset_Powerset_BD_Shape_long_double_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_long_double_iterator_equal_test (ppl_const_Pointset_-Powerset_BD_Shape_long_double_iterator_t x, ppl_const_Pointset_Powerset_BD_Shape_long_-double_iterator_t y)
- int ppl_Pointset_Powerset_BD_Shape_long_double_iterator_increment (ppl_Pointset_Powerset_-BD_Shape_long_double_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_long_double_iterator_decrement (ppl_Pointset_Powerset_-BD_Shape_long_double_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_long_double_iterator_dereference (ppl_const_Pointset_-Powerset_BD_Shape_long_double_iterator_t ps, ppl_const_BD_Shape_long_double_t *d)
- int ppl_delete_Pointset_Powerset_BD_Shape_long_double_iterator (ppl_const_Pointset_-Powerset_BD_Shape_long_double_iterator_t psit)

7.71.1 Detailed Description

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_BD_Shape_long_double_-tag.

7.71.2 Friends And Related Function Documentation

7.71.2.1 int ppl_new_Pointset_Powerset_BD_Shape_long_double_iterator (ppl_Pointset_Powerset_BD_Shape_long_double_iterator_t * *pit*) [related]

7.71.2.2 int ppl_new_Pointset_Powerset_BD_Shape_long_double_iterator_from_iterator (ppl_Pointset_Powerset_BD_Shape_long_double_iterator_t * *px*, ppl_const_Pointset_Powerset_BD_Shape_long_double_iterator_t *y*) [related]

7.71.2.3 int ppl_Pointset_Powerset_BD_Shape_long_double_iterator_begin (ppl_Pointset_Powerset_BD_Shape_long_double_t *ps*, ppl_Pointset_Powerset_BD_-Shape_long_double_iterator_t *psit*) [related]

7.71.2.4 int ppl_Pointset_Powerset_BD_Shape_long_double_iterator_end (ppl_Pointset_Powerset_BD_Shape_long_double_t *ps*, ppl_Pointset_Powerset_BD_-Shape_long_double_iterator_t *psit*) [related]

7.71.2.5 int ppl_Pointset_Powerset_BD_Shape_long_double_iterator_equal_test (ppl_const_Pointset_Powerset_BD_Shape_long_double_iterator_t *x*, ppl_const_Pointset_Powerset_BD_Shape_long_double_iterator_t *y*) [related]

7.71.2.6 int ppl_Pointset_Powerset_BD_Shape_long_double_iterator_increment (ppl_Pointset_Powerset_BD_Shape_long_double_iterator_t *psit*) [related]

7.71.2.7 int ppl_Pointset_Powerset_BD_Shape_long_double_iterator_decrement (ppl_Pointset_Powerset_BD_Shape_long_double_iterator_t *psit*) [related]

7.71.2.8 int ppl_Pointset_Powerset_BD_Shape_long_double_iterator_dereference (ppl_const_Pointset_Powerset_BD_Shape_long_double_iterator_t *ps*, ppl_const_BD_Shape_long_double_t * *d*) [related]

7.71.2.9 int ppl_delete_Pointset_Powerset_BD_Shape_long_double_iterator (ppl_const_Pointset_Powerset_BD_Shape_long_double_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.72 ppl_Pointset_Powerset_BD_Shape_long_double_tag Interface Reference

Types and functions for ppl_Pointset_Powerset_BD_Shape_long_double_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Pointset_Powerset_BD_Shape_long_double (ppl_const_Pointset_Powerset_BD_-Shape_long_double_t ph)
- int ppl_new_Pointset_Powerset_BD_Shape_long_double_from_space_dimension (ppl_Pointset_-Powerset_BD_Shape_long_double_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Pointset_Powerset_BD_Shape_long_double_from_Pointset_Powerset_BD_Shape_-long_double (ppl_Pointset_Powerset_BD_Shape_long_double_t *pph, ppl_const_Pointset_-Powerset_BD_Shape_long_double_t ph)
- int ppl_new_Pointset_Powerset_BD_Shape_long_double_from_BD_Shape_long_double (ppl_-Pointset_Powerset_BD_Shape_long_double_t *pph, ppl_const_BD_Shape_long_double_t ph)

- int ppl_new_Pointset_Powerset_BD_Shape_long_double_from_Pointset_Powerset_BD_Shape_long_double_with_complexity (ppl_Pointset_Powerset_BD_Shape_long_double_t *pph, ppl_const_Pointset_Powerset_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_Pointset_Powerset_BD_Shape_long_double_from_BD_Shape_long_double_with_complexity (ppl_Pointset_Powerset_BD_Shape_long_double_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_Pointset_Powerset_BD_Shape_long_double_from_Constraint_System (ppl_Pointset_Powerset_BD_Shape_long_double_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Pointset_Powerset_BD_Shape_long_double_from_Congruence_System (ppl_Pointset_Powerset_BD_Shape_long_double_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_long_double_space_dimension (ppl_const_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_BD_Shape_long_double_affine_dimension (ppl_const_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_BD_Shape_long_double_relation_with_Constraint (ppl_const_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_BD_Shape_long_double_relation_with_Generator (ppl_const_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_const_Generator_t c)
- int ppl_Pointset_Powerset_BD_Shape_long_double_relation_with_Congruence (ppl_const_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_BD_Shape_long_double_is_empty (ppl_const_Pointset_Powerset_BD_Shape_long_double_t ph)
- int ppl_Pointset_Powerset_BD_Shape_long_double_is_universe (ppl_const_Pointset_Powerset_BD_Shape_long_double_t ph)
- int ppl_Pointset_Powerset_BD_Shape_long_double_is_bounded (ppl_const_Pointset_Powerset_BD_Shape_long_double_t ph)
- int ppl_Pointset_Powerset_BD_Shape_long_double_contains_integer_point (ppl_const_Pointset_Powerset_BD_Shape_long_double_t ph)
- int ppl_Pointset_Powerset_BD_Shape_long_double_is_topologically_closed (ppl_const_Pointset_Powerset_BD_Shape_long_double_t ph)
- int ppl_Pointset_Powerset_BD_Shape_long_double_is_discrete (ppl_const_Pointset_Powerset_BD_Shape_long_double_t ph)
- int ppl_Pointset_Powerset_BD_Shape_long_double_topological_closure_assign (ppl_Pointset_Powerset_BD_Shape_long_double_t ph)
- int ppl_Pointset_Powerset_BD_Shape_long_double_pairwise_reduce (ppl_Pointset_Powerset_BD_Shape_long_double_t ph)
- int ppl_Pointset_Powerset_BD_Shape_long_double_omega_reduce (ppl_Pointset_Powerset_BD_Shape_long_double_t ph)
- int ppl_Pointset_Powerset_BD_Shape_long_double_bounds_from_above (ppl_const_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_BD_Shape_long_double_bounds_from_below (ppl_const_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_BD_Shape_long_double_maximize (ppl_const_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_BD_Shape_long_double_minimize (ppl_const_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_BD_Shape_long_double_maximize_with_point (ppl_const_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)

- int ppl_Pointset_Powerset_BD_Shape_long_double_minimize_with_point (ppl_const_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_BD_Shape_long_double_contains_Pointset_Powerset_BD_Shape_long_double (ppl_const_Pointset_Powerset_BD_Shape_long_double_t x, ppl_const_Pointset_Powerset_BD_Shape_long_double_t y)
- int ppl_Pointset_Powerset_BD_Shape_long_double_strictly_contains_Pointset_Powerset_BD_Shape_long_double (ppl_const_Pointset_Powerset_BD_Shape_long_double_t x, ppl_const_Pointset_Powerset_BD_Shape_long_double_t y)
- int ppl_Pointset_Powerset_BD_Shape_long_double_is_disjoint_from_Pointset_Powerset_BD_Shape_long_double (ppl_const_Pointset_Powerset_BD_Shape_long_double_t x, ppl_const_Pointset_Powerset_BD_Shape_long_double_t y)
- int ppl_Pointset_Powerset_BD_Shape_long_double_geometrically_covers_Pointset_Powerset_BD_Shape_long_double (ppl_const_Pointset_Powerset_BD_Shape_long_double_t x, ppl_const_Pointset_Powerset_BD_Shape_long_double_t y)
- int ppl_Pointset_Powerset_BD_Shape_long_double_geometrically_equals_Pointset_Powerset_BD_Shape_long_double (ppl_const_Pointset_Powerset_BD_Shape_long_double_t x, ppl_const_Pointset_Powerset_BD_Shape_long_double_t y)
- int ppl_Pointset_Powerset_BD_Shape_long_double_equals_Pointset_Powerset_BD_Shape_long_double (ppl_const_Pointset_Powerset_BD_Shape_long_double_t x, ppl_const_Pointset_Powerset_BD_Shape_long_double_t y)
- int ppl_Pointset_Powerset_BD_Shape_long_double_OK (ppl_const_Pointset_Powerset_BD_Shape_long_double_t ph)
- int ppl_Pointset_Powerset_BD_Shape_long_double_add_constraint (ppl_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_BD_Shape_long_double_add_congruence (ppl_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_BD_Shape_long_double_add_constraints (ppl_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_long_double_add_congruences (ppl_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_long_double_refine_with_constraint (ppl_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_BD_Shape_long_double_refine_with_congruence (ppl_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_BD_Shape_long_double_refine_with_constraints (ppl_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_long_double_refine_with_congruences (ppl_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_long_double_intersection_assign (ppl_Pointset_Powerset_BD_Shape_long_double_t x, ppl_const_Pointset_Powerset_BD_Shape_long_double_t y)
- int ppl_Pointset_Powerset_BD_Shape_long_double_upper_bound_assign (ppl_Pointset_Powerset_BD_Shape_long_double_t x, ppl_const_Pointset_Powerset_BD_Shape_long_double_t y)
- int ppl_Pointset_Powerset_BD_Shape_long_double_difference_assign (ppl_Pointset_Powerset_BD_Shape_long_double_t x, ppl_const_Pointset_Powerset_BD_Shape_long_double_t y)
- int ppl_Pointset_Powerset_BD_Shape_long_double_concatenate_assign (ppl_Pointset_Powerset_BD_Shape_long_double_t x, ppl_const_Pointset_Powerset_BD_Shape_long_double_t y)
- int ppl_Pointset_Powerset_BD_Shape_long_double_time_elapse_assign (ppl_Pointset_Powerset_BD_Shape_long_double_t x, ppl_const_Pointset_Powerset_BD_Shape_long_double_t y)
- int ppl_Pointset_Powerset_BD_Shape_long_double_upper_bound_assign_if_exact (ppl_Pointset_Powerset_BD_Shape_long_double_t x, ppl_const_Pointset_Powerset_BD_Shape_long_double_t y)

- int ppl_Pointset_Powerset_BD_Shape_long_double_simplify_using_context_assign (ppl_Pointset_Powerset_BD_Shape_long_double_t x, ppl_const_Pointset_Powerset_BD_Shape_long_double_t y)
- int ppl_Pointset_Powerset_BD_Shape_long_double_constrains (ppl_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_BD_Shape_long_double_unconstrain_space_dimension (ppl_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_BD_Shape_long_double_unconstrain_space_dimensions (ppl_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_BD_Shape_long_double_affine_image (ppl_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_long_double_affine_preimage (ppl_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_long_double_bounded_affine_image (ppl_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_long_double_bounded_affine_preimage (ppl_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_long_double_generalized_affine_image (ppl_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_long_double_generalized_affine_preimage (ppl_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_long_double_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_BD_Shape_long_double_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_BD_Shape_long_double_add_space_dimensions_and_embed (ppl_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_BD_Shape_long_double_add_space_dimensions_and_project (ppl_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_BD_Shape_long_double_remove_space_dimensions (ppl_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_BD_Shape_long_double_remove_higher_space_dimensions (ppl_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_BD_Shape_long_double_expand_space_dimension (ppl_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Pointset_Powerset_BD_Shape_long_double_fold_space_dimensions (ppl_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Pointset_Powerset_BD_Shape_long_double_map_space_dimensions (ppl_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Pointset_Powerset_BD_Shape_long_double_drop_some_non_integer_points (ppl_Pointset_Powerset_BD_Shape_long_double_t ph, int complexity)
- int ppl_Pointset_Powerset_BD_Shape_long_double_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_BD_Shape_long_double_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)

- int ppl_Pointset_Powerset_BD_Shape_long_double_external_memory_in_bytes (ppl_const_Pointset_Powerset_BD_Shape_long_double_t ps, size_t *sz)
- int ppl_Pointset_Powerset_BD_Shape_long_double_total_memory_in_bytes (ppl_const_Pointset_Powerset_BD_Shape_long_double_t ps, size_t *sz)
- int ppl_Pointset_Powerset_BD_Shape_long_double_size (ppl_const_Pointset_Powerset_BD_Shape_long_double_t ps, size_t *sz)
- int ppl_Pointset_Powerset_BD_Shape_long_double_add_disjunct (ppl_Pointset_Powerset_BD_Shape_long_double_t ps, ppl_const_BD_Shape_long_double_t d)
- int ppl_Pointset_Powerset_BD_Shape_long_double_drop_disjunct (ppl_Pointset_Powerset_BD_Shape_long_double_t ps, ppl_const_Pointset_Powerset_BD_Shape_long_double_iterator_t cit, ppl_Pointset_Powerset_BD_Shape_long_double_iterator_t it)
- int ppl_Pointset_Powerset_BD_Shape_long_double_drop_disjuncts (ppl_Pointset_Powerset_BD_Shape_long_double_t ps, ppl_const_Pointset_Powerset_BD_Shape_long_double_iterator_t first, ppl_const_Pointset_Powerset_BD_Shape_long_double_iterator_t last)
- int ppl_Pointset_Powerset_BD_Shape_long_double_BHZ03_H79_BHMZ05_widening_assign (ppl_Pointset_Powerset_BD_Shape_long_double_t x, ppl_const_Pointset_Powerset_BD_Shape_long_double_t y)
- int ppl_Pointset_Powerset_BD_Shape_long_double_BHZ03_H79_H79_widening_assign (ppl_Pointset_Powerset_BD_Shape_long_double_t x, ppl_const_Pointset_Powerset_BD_Shape_long_double_t y)
- int ppl_Pointset_Powerset_BD_Shape_long_double_BGP99_BHMZ05_extrapolation_assign (ppl_Pointset_Powerset_BD_Shape_long_double_t x, ppl_const_Pointset_Powerset_BD_Shape_long_double_t y, int disjuncts)
- int ppl_Pointset_Powerset_BD_Shape_long_double_BGP99_H79_extrapolation_assign (ppl_Pointset_Powerset_BD_Shape_long_double_t x, ppl_const_Pointset_Powerset_BD_Shape_long_double_t y, int disjuncts)
- int ppl_io_print_Pointset_Powerset_BD_Shape_long_double (ppl_const_Pointset_Powerset_BD_Shape_long_double_t x)
- int ppl_io_fprint_Pointset_Powerset_BD_Shape_long_double (FILE *stream, ppl_const_Pointset_Powerset_BD_Shape_long_double_t x)
- int ppl_io_asprint_Pointset_Powerset_BD_Shape_long_double (char **strp, ppl_const_Pointset_Powerset_BD_Shape_long_double_t x)
- int ppl_Pointset_Powerset_BD_Shape_long_double_ascii_dump (ppl_const_Pointset_Powerset_BD_Shape_long_double_t x, FILE *stream)
- int ppl_Pointset_Powerset_BD_Shape_long_double_ascii_load (ppl_Pointset_Powerset_BD_Shape_long_double_t x, FILE *stream)

7.72.1 Detailed Description

Types and functions for ppl_Pointset_Powerset_BD_Shape_long_double_tag.

7.72.2 Friends And Related Function Documentation

7.72.2.1 int ppl_delete_Pointset_Powerset_BD_Shape_long_double (ppl_const_Pointset_Powerset_BD_Shape_long_double_t *ph*) [related]

7.72.2.2 int ppl_new_Pointset_Powerset_BD_Shape_long_double_from_space_dimension (ppl_Pointset_Powerset_BD_Shape_long_double_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.72.2.3 int ppl_new_Pointset_Powerset_BD_Shape_long_double_from_Pointset_Powerset_BD_Shape_long_double (ppl_Pointset_Powerset_BD_Shape_long_double_t * *pph*, ppl_const_Pointset_Powerset_BD_Shape_long_double_t *ph*) [related]

7.72.2.4 int ppl_new_Pointset_Powerset_BD_Shape_long_double_from_BD_Shape_long_double (ppl_Pointset_Powerset_BD_Shape_long_double_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.72.2.5 int ppl_new_Pointset_Powerset_BD_Shape_long_double_from_Pointset_Powerset_BD_Shape_long_double_with_complexity (ppl_Pointset_Powerset_BD_Shape_long_double_t * *pph*, ppl_const_Pointset_Powerset_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.72.2.6 int ppl_new_Pointset_Powerset_BD_Shape_long_double_from_BD_Shape_long_double_with_complexity (ppl_Pointset_Powerset_BD_Shape_long_double_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.72.2.7 int ppl_new_Pointset_Powerset_BD_Shape_long_double_from_Constraint_System (ppl_Pointset_Powerset_BD_Shape_long_double_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.72.2.8 int ppl_new_Pointset_Powerset_BD_Shape_long_double_from_Congruence_System (ppl_Pointset_Powerset_BD_Shape_long_double_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.72.2.9 int ppl_Pointset_Powerset_BD_Shape_long_double_space_dimension (ppl_const_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_dimension_type * *m*) [related]

7.72.2.10 int ppl_Pointset_Powerset_BD_Shape_long_double_affine_dimension (ppl_const_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_dimension_type * *m*) [related]

7.72.2.11 int ppl_Pointset_Powerset_BD_Shape_long_double_relation_with_Constraint (ppl_const_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_const_Constraint_t *c*) [related]

7.72.2.12 int ppl_Pointset_Powerset_BD_Shape_long_double_relation_with_Generator (ppl_const_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_const_Generator_t *c*) [related]

7.72.2.13 int ppl_Pointset_Powerset_BD_Shape_long_double_relation_with_Congruence (ppl_const_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_const_Congruence_t *c*) [related]

7.72.2.14 int ppl_Pointset_Powerset_BD_Shape_long_double_is_empty (ppl_const_Pointset_Powerset_BD_Shape_long_double_t *ph*) [related]

7.72.2.15 int ppl_Pointset_Powerset_BD_Shape_long_double_is_universe (ppl_const_Pointset_Powerset_BD_Shape_long_double_t *ph*) [related]

7.72.2.16 int ppl_Pointset_Powerset_BD_Shape_long_double_is_bounded (ppl_const_Pointset_Powerset_BD_Shape_long_double_t *ph*) [related]

7.72.2.17 int ppl_Pointset_Powerset_BD_Shape_long_double_contains_integer_point (ppl_const_Pointset_Powerset_BD_Shape_long_double_t *ph*) [related]

7.72.2.18 int ppl_Pointset_Powerset_BD_Shape_long_double_is_topologically_closed (ppl_const_Pointset_Powerset_BD_Shape_long_double_t *ph*) [related]

7.72.2.19 int ppl_Pointset_Powerset_BD_Shape_long_double_is_discrete (ppl_const_Pointset_Powerset_BD_Shape_long_double_t *ph*) [related]

7.72.2.20 int ppl_Pointset_Powerset_BD_Shape_long_double_topological_closure_assign (ppl_Pointset_Powerset_BD_Shape_long_double_t *ph*) [related]

7.72.2.21 int ppl_Pointset_Powerset_BD_Shape_long_double_pairwise_reduce (ppl_Pointset_Powerset_BD_Shape_long_double_t *ph*) [related]

7.72.2.22 int ppl_Pointset_Powerset_BD_Shape_long_double_omega_reduce (ppl_Pointset_Powerset_BD_Shape_long_double_t *ph*) [related]

7.72.2.23 int ppl_Pointset_Powerset_BD_Shape_long_double_bounds_from_above (ppl_const_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.72.2.24 int ppl_Pointset_Powerset_BD_Shape_long_double_bounds_from_below (ppl_const_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.72.2.25 int ppl_Pointset_Powerset_BD_Shape_long_double_maximize (ppl_const_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.72.2.26 int ppl_Pointset_Powerset_BD_Shape_long_double_minimize (ppl_const_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.72.2.27 int ppl_Pointset_Powerset_BD_Shape_long_double_maximize_with_point (ppl_const_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.72.2.28 int ppl_Pointset_Powerset_BD_Shape_long_double_minimize_with_point (ppl_const_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.72.2.29 int ppl_Pointset_Powerset_BD_Shape_long_double_contains_Pointset_Powerset_BD_Shape_long_double (ppl_const_Pointset_Powerset_BD_Shape_long_double_t *x*, ppl_const_Pointset_Powerset_BD_Shape_long_double_t *y*) [related]

7.72.2.30 int ppl_Pointset_Powerset_BD_Shape_long_double_strictly_contains_Pointset_Powerset_BD_Shape_long_double (ppl_const_Pointset_Powerset_BD_Shape_long_double_t *x*, ppl_const_Pointset_Powerset_BD_Shape_long_double_t *y*) [related]

7.72.2.31 int ppl_Pointset_Powerset_BD_Shape_long_double_is_disjoint_from_Pointset_Powerset_BD_Shape_long_double (ppl_const_Pointset_Powerset_BD_Shape_long_double_t *x*, ppl_const_Pointset_Powerset_BD_Shape_long_double_t *y*) [related]

7.72.2.32 int ppl_Pointset_Powerset_BD_Shape_long_double_geometrically_covers_Pointset_Powerset_BD_Shape_long_double (ppl_const_Pointset_Powerset_BD_Shape_long_double_t *x*, ppl_const_Pointset_Powerset_BD_Shape_long_double_t *y*) [related]

7.72.2.33 int ppl_Pointset_Powerset_BD_Shape_long_double_geometrically_equals_Pointset_Powerset_BD_Shape_long_double (ppl_const_Pointset_Powerset_BD_Shape_long_double_t *x*, ppl_const_Pointset_Powerset_BD_Shape_long_double_t *y*) [related]

7.72.2.34 int ppl_Pointset_Powerset_BD_Shape_long_double_equals_Pointset_Powerset_-BD_Shape_long_double (ppl_const_Pointset_Powerset_BD_Shape_long_double_t *x*, ppl_const_Pointset_Powerset_BD_Shape_long_double_t *y*) [related]

7.72.2.35 int ppl_Pointset_Powerset_BD_Shape_long_double_OK (ppl_const_Pointset_Powerset_-BD_Shape_long_double_t *ph*) [related]

7.72.2.36 int ppl_Pointset_Powerset_BD_Shape_long_double_add_constraint (ppl_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_const_Constraint_t *c*) [related]

7.72.2.37 int ppl_Pointset_Powerset_BD_Shape_long_double_add_congruence (ppl_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_const_Congruence_t *c*) [related]

7.72.2.38 int ppl_Pointset_Powerset_BD_Shape_long_double_add_constraints (ppl_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.72.2.39 int ppl_Pointset_Powerset_BD_Shape_long_double_add_congruences (ppl_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.72.2.40 int ppl_Pointset_Powerset_BD_Shape_long_double_refine_with_constraint (ppl_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_const_Constraint_t *c*) [related]

7.72.2.41 int ppl_Pointset_Powerset_BD_Shape_long_double_refine_with_congruence (ppl_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_const_Congruence_t *c*) [related]

7.72.2.42 int ppl_Pointset_Powerset_BD_Shape_long_double_refine_with_constraints (ppl_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.72.2.43 int ppl_Pointset_Powerset_BD_Shape_long_double_refine_with_congruences (ppl_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.72.2.44 int ppl_Pointset_Powerset_BD_Shape_long_double_intersection_assign (ppl_Pointset_Powerset_BD_Shape_long_double_t *x*, ppl_const_Pointset_Powerset_BD_Shape_long_double_t *y*) [related]

7.72.2.45 int ppl_Pointset_Powerset_BD_Shape_long_double_upper_bound_assign (ppl_Pointset_Powerset_BD_Shape_long_double_t *x*, ppl_const_Pointset_Powerset_BD_Shape_long_double_t *y*) [related]

7.72.2.46 int ppl_Pointset_Powerset_BD_Shape_long_double_difference_assign (ppl_Pointset_Powerset_BD_Shape_long_double_t *x*, ppl_const_Pointset_Powerset_BD_Shape_long_double_t *y*) [related]

7.72.2.47 int ppl_Pointset_Powerset_BD_Shape_long_double_concatenate_assign (ppl_Pointset_Powerset_BD_Shape_long_double_t *x*, ppl_const_Pointset_Powerset_BD_Shape_long_double_t *y*) [related]

7.72.2.48 int ppl_Pointset_Powerset_BD_Shape_long_double_time_elapse_assign (ppl_Pointset_Powerset_BD_Shape_long_double_t *x*, ppl_const_Pointset_Powerset_BD_Shape_long_double_t *y*) [related]

7.72.2.49 int ppl_Pointset_Powerset_BD_Shape_long_double_upper_bound_assign_if_exact (ppl_Pointset_Powerset_BD_Shape_long_double_t *x*, ppl_const_Pointset_Powerset_BD_Shape_long_double_t *y*) [related]

7.72.2.50 int ppl_Pointset_Powerset_BD_Shape_long_double_simplify_using_-context_assign (ppl_Pointset_Powerset_BD_Shape_long_double_t *x*, ppl_const_Pointset_Powerset_BD_Shape_long_double_t *y*) [related]

7.72.2.51 int ppl_Pointset_Powerset_BD_Shape_long_double_constrains (ppl_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_dimension_type *var*) [related]

7.72.2.52 int ppl_Pointset_Powerset_BD_Shape_long_double_unconstrain_space_dimension (ppl_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_dimension_type *var*) [related]

7.72.2.53 int ppl_Pointset_Powerset_BD_Shape_long_double_unconstrain_space_dimensions (ppl_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.72.2.54 int ppl_Pointset_Powerset_BD_Shape_long_double_affine_image (ppl_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.72.2.55 int ppl_Pointset_Powerset_BD_Shape_long_double_affine_preimage (ppl_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.72.2.56 int ppl_Pointset_Powerset_BD_Shape_long_double_bounded_affine_image (ppl_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.72.2.57 int ppl_Pointset_Powerset_BD_Shape_long_double_bounded_affine_preimage (ppl_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.72.2.58 int ppl_Pointset_Powerset_BD_Shape_long_double_generalized_affine_image (ppl_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.72.2.59 int ppl_Pointset_Powerset_BD_Shape_long_double_generalized_affine_preimage (ppl_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.72.2.60 int ppl_Pointset_Powerset_BD_Shape_long_double_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.72.2.61 int ppl_Pointset_Powerset_BD_Shape_long_double_generalized_affine_-preimage_lhs_rhs (ppl_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.72.2.62 int ppl_Pointset_Powerset_BD_Shape_long_double_add_space_dimensions_and_embed (ppl_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_dimension_type *d*) [related]

7.72.2.63 int ppl_Pointset_Powerset_BD_Shape_long_double_add_space_dimensions_and_project (ppl_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_dimension_type *d*) [related]

7.72.2.64 int ppl_Pointset_Powerset_BD_Shape_long_double_remove_space_dimensions (ppl_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.72.2.65 int ppl_Pointset_Powerset_BD_Shape_long_double_remove_higher_space_dimensions (ppl_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_dimension_type *d*) [related]

7.72.2.66 int ppl_Pointset_Powerset_BD_Shape_long_double_expand_space_dimension (ppl_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.72.2.67 int ppl_Pointset_Powerset_BD_Shape_long_double_fold_space_dimensions (ppl_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.72.2.68 int ppl_Pointset_Powerset_BD_Shape_long_double_map_space_dimensions (ppl_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.72.2.69 int ppl_Pointset_Powerset_BD_Shape_long_double_drop_some_non_integer_points (ppl_Pointset_Powerset_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.72.2.70 int ppl_Pointset_Powerset_BD_Shape_long_double_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_BD_Shape_long_double_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.72.2.71 int ppl_Pointset_Powerset_BD_Shape_long_double_external_memory_in_bytes (ppl_const_Pointset_Powerset_BD_Shape_long_double_t *ps*, size_t * *sz*) [related]

7.72.2.72 int ppl_Pointset_Powerset_BD_Shape_long_double_total_memory_in_bytes (ppl_const_Pointset_Powerset_BD_Shape_long_double_t *ps*, size_t * *sz*) [related]

7.72.2.73 int ppl_Pointset_Powerset_BD_Shape_long_double_size (ppl_const_Pointset_Powerset_BD_Shape_long_double_t *ps*, size_t * *sz*) [related]

7.72.2.74 int ppl_Pointset_Powerset_BD_Shape_long_double_add_disjunct (ppl_Pointset_Powerset_BD_Shape_long_double_t *ps*, ppl_const_BD_Shape_long_double_t *d*) [related]

7.72.2.75 int ppl_Pointset_Powerset_BD_Shape_long_double_drop_disjunct (ppl_Pointset_Powerset_BD_Shape_long_double_t *ps*, ppl_const_Pointset_Powerset_BD_Shape_long_double_iterator_t *cit*, ppl_Pointset_Powerset_BD_Shape_long_double_iterator_t *it*) [related]

7.72.2.76 int ppl_Pointset_Powerset_BD_Shape_long_double_drop_disjuncts (ppl_Pointset_Powerset_BD_Shape_long_double_t *ps*, ppl_const_Pointset_Powerset_BD_Shape_long_double_iterator_t *first*, ppl_const_Pointset_Powerset_BD_Shape_long_double_iterator_t *last*) [related]

7.72.2.77 int ppl_Pointset_Powerset_BD_Shape_long_double_BHZ03_H79_BHMZ05_widening_assign (ppl_Pointset_Powerset_BD_Shape_long_double_t *x*, ppl_const_Pointset_Powerset_BD_Shape_long_double_t *y*) [related]

7.72.2.78 int ppl_Pointset_Powerset_BD_Shape_long_double_BHZ03_H79_H79_widening_assign (ppl_Pointset_Powerset_BD_Shape_long_double_t *x*, ppl_const_Pointset_Powerset_BD_Shape_long_double_t *y*) [related]

7.72.2.79 int ppl_Pointset_Powerset_BD_Shape_long_double_BGP99_BHMZ05_extrapolation_assign (ppl_Pointset_Powerset_BD_Shape_long_double_t *x*, ppl_const_Pointset_Powerset_BD_Shape_long_double_t *y*, int *disjuncts*) [related]

7.72.2.80 int ppl_Pointset_Powerset_BD_Shape_long_double_BGP99_H79_extrapolation_assign (ppl_Pointset_Powerset_BD_Shape_long_double_t *x*, ppl_const_Pointset_Powerset_BD_Shape_long_double_t *y*, int *disjuncts*) [related]

7.72.2.81 int ppl_io_print_Pointset_Powerset_BD_Shape_long_double (ppl_const_Pointset_Powerset_BD_Shape_long_double_t *x*) [related]

7.72.2.82 int ppl_io_fprint_Pointset_Powerset_BD_Shape_long_double (FILE * *stream*, ppl_const_Pointset_Powerset_BD_Shape_long_double_t *x*) [related]

7.72.2.83 int ppl_io_asprint_Pointset_Powerset_BD_Shape_long_double (char ** *strp*, ppl_const_Pointset_Powerset_BD_Shape_long_double_t *x*) [related]

7.72.2.84 int ppl_Pointset_Powerset_BD_Shape_long_double_ascii_dump (ppl_const_Pointset_Powerset_BD_Shape_long_double_t *x*, FILE * *stream*) [related]

7.72.2.85 int ppl_Pointset_Powerset_BD_Shape_long_double_ascii_load (ppl_Pointset_Powerset_BD_Shape_long_double_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.73 ppl_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_BD_Shape_mpq_class_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_BD_Shape_mpq_class_const_iterator (ppl_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_t *pit)
- int ppl_new_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_from_const_iterator (ppl_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_t *px, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_t y)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_begin (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t ps, ppl_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_t psit)

- int ppl_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_end (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t ps, ppl_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_equal_test (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_t x, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_t y)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_increment (ppl_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_decrement (ppl_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_dereference (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_t ps, ppl_const_BD_Shape_mpq_class_t *d)
- int ppl_delete_Pointset_Powerset_BD_Shape_mpq_class_const_iterator (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_t psit)

7.73.1 Detailed Description

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_BD_Shape_mpq_class_tag.

7.73.2 Friends And Related Function Documentation

7.73.2.1 int ppl_new_Pointset_Powerset_BD_Shape_mpq_class_const_iterator (ppl_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_t * *pit*) [related]

7.73.2.2 int ppl_new_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_from_const_iterator (ppl_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_t * *px*, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_t *y*) [related]

7.73.2.3 int ppl_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_begin (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *ps*, ppl_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_t *psit*) [related]

7.73.2.4 int ppl_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_end (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *ps*, ppl_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_t *psit*) [related]

7.73.2.5 int ppl_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_equal_test (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_t *y*) [related]

7.73.2.6 int ppl_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_increment (ppl_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_t *psit*) [related]

7.73.2.7 int ppl_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_decrement (ppl_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_t *psit*) [related]

7.73.2.8 int ppl_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_dereference (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_t *ps*, ppl_const_BD_Shape_mpq_class_t * *d*) [related]

7.73.2.9 int ppl_delete_Pointset_Powerset_BD_Shape_mpq_class_const_iterator (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_const_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.74 ppl_Pointset_Powerset_BD_Shape_mpq_class_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_BD_Shape_mpq_class_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_BD_Shape_mpq_class_iterator (ppl_Pointset_Powerset_BD_Shape_mpq_class_iterator_t *pit)
- int ppl_new_Pointset_Powerset_BD_Shape_mpq_class_iterator_from_iterator (ppl_Pointset_Powerset_BD_Shape_mpq_class_iterator_t *px, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_iterator_t y)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_iterator_begin (ppl_Pointset_Powerset_BD_Shape_mpq_class_t ps, ppl_Pointset_Powerset_BD_Shape_mpq_class_iterator_t psit)

- int ppl_Pointset_Powerset_BD_Shape_mpq_class_iterator_end (ppl_Pointset_Powerset_BD_Shape_mpq_class_t ps, ppl_Pointset_Powerset_BD_Shape_mpq_class_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_iterator_equal_test (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_iterator_t x, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_iterator_t y)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_iterator_increment (ppl_Pointset_Powerset_BD_Shape_mpq_class_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_iterator_decrement (ppl_Pointset_Powerset_BD_Shape_mpq_class_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_iterator_dereference (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_iterator_t ps, ppl_const_BD_Shape_mpq_class_t *d)
- int ppl_delete_Pointset_Powerset_BD_Shape_mpq_class_iterator (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_iterator_t psit)

7.74.1 Detailed Description

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_BD_Shape_mpq_class_tag.

7.74.2 Friends And Related Function Documentation

7.74.2.1 int ppl_new_Pointset_Powerset_BD_Shape_mpq_class_iterator (ppl_Pointset_Powerset_BD_Shape_mpq_class_iterator_t * *pit*) [related]

7.74.2.2 int ppl_new_Pointset_Powerset_BD_Shape_mpq_class_iterator_from_iterator (ppl_Pointset_Powerset_BD_Shape_mpq_class_iterator_t * *px*, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_iterator_t *y*) [related]

7.74.2.3 int ppl_Pointset_Powerset_BD_Shape_mpq_class_iterator_begin (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *ps*, ppl_Pointset_Powerset_BD_Shape_mpq_class_iterator_t *psit*) [related]

7.74.2.4 int ppl_Pointset_Powerset_BD_Shape_mpq_class_iterator_end (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *ps*, ppl_Pointset_Powerset_BD_Shape_mpq_class_iterator_t *psit*) [related]

7.74.2.5 int ppl_Pointset_Powerset_BD_Shape_mpq_class_iterator_equal_test (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_iterator_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_iterator_t *y*) [related]

7.74.2.6 int ppl_Pointset_Powerset_BD_Shape_mpq_class_iterator_increment (ppl_Pointset_Powerset_BD_Shape_mpq_class_iterator_t *psit*) [related]

7.74.2.7 int ppl_Pointset_Powerset_BD_Shape_mpq_class_iterator_decrement (ppl_Pointset_Powerset_BD_Shape_mpq_class_iterator_t *psit*) [related]

7.74.2.8 int ppl_Pointset_Powerset_BD_Shape_mpq_class_iterator_dereference (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_iterator_t *ps*, ppl_const_BD_Shape_mpq_class_t * *d*) [related]

7.74.2.9 int ppl_delete_Pointset_Powerset_BD_Shape_mpq_class_iterator (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.75 ppl_Pointset_Powerset_BD_Shape_mpq_class_tag Interface Reference

Types and functions for ppl_Pointset_Powerset_BD_Shape_mpq_class_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Pointset_Powerset_BD_Shape_mpq_class (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t ph)
- int ppl_new_Pointset_Powerset_BD_Shape_mpq_class_from_space_dimension (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Pointset_Powerset_BD_Shape_mpq_class_from_Pointset_Powerset_BD_Shape_mpq_class (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *pph, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t ph)
- int ppl_new_Pointset_Powerset_BD_Shape_mpq_class_from_BD_Shape_mpq_class (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_Pointset_Powerset_BD_Shape_mpq_class_from_Pointset_Powerset_BD_Shape_mpq_class_with_complexity (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *pph, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Pointset_Powerset_BD_Shape_mpq_class_from_BD_Shape_mpq_class_with_complexity (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)

- int ppl_new_Pointset_Powerset_BD_Shape_mpq_class_from_Constraint_System (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Pointset_Powerset_BD_Shape_mpq_class_from_Congruence_System (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_space_dimension (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_affine_dimension (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_relation_with_Constraint (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_relation_with_Generator (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_const_Generator_t c)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_relation_with_Congruence (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_is_empty (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t ph)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_is_universe (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t ph)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_is_bounded (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t ph)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_contains_integer_point (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t ph)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_is_topologically_closed (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t ph)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_is_discrete (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t ph)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_topological_closure_assign (ppl_Pointset_Powerset_BD_Shape_mpq_class_t ph)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_pairwise_reduce (ppl_Pointset_Powerset_BD_Shape_mpq_class_t ph)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_omega_reduce (ppl_Pointset_Powerset_BD_Shape_mpq_class_t ph)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_bounds_from_above (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_bounds_from_below (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_maximize (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_minimize (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_maximize_with_point (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_minimize_with_point (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_contains_Pointset_Powerset_BD_Shape_mpq_class (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t x, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t y)

- int ppl_Pointset_Powerset_BD_Shape_mpq_class_strictly_contains_Pointset_Powerset_BD_Shape_mpq_class (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t x, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t y)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_is_disjoint_from_Pointset_Powerset_BD_Shape_mpq_class (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t x, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t y)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_geometrically_covers_Pointset_Powerset_BD_Shape_mpq_class (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t x, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t y)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_geometrically_equals_Pointset_Powerset_BD_Shape_mpq_class (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t x, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t y)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_equals_Pointset_Powerset_BD_Shape_mpq_class (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t x, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t y)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_OK (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t ph)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_add_constraint (ppl_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_add_congruence (ppl_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_add_constraints (ppl_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_add_congruences (ppl_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_refine_with_constraint (ppl_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_refine_with_congruence (ppl_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_refine_with_constraints (ppl_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_refine_with_congruences (ppl_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_intersection_assign (ppl_Pointset_Powerset_BD_Shape_mpq_class_t x, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t y)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_upper_bound_assign (ppl_Pointset_Powerset_BD_Shape_mpq_class_t x, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t y)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_difference_assign (ppl_Pointset_Powerset_BD_Shape_mpq_class_t x, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t y)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_concatenate_assign (ppl_Pointset_Powerset_BD_Shape_mpq_class_t x, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t y)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_time_elapse_assign (ppl_Pointset_Powerset_BD_Shape_mpq_class_t x, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t y)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_upper_bound_assign_if_exact (ppl_Pointset_Powerset_BD_Shape_mpq_class_t x, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t y)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_simplify_using_context_assign (ppl_Pointset_Powerset_BD_Shape_mpq_class_t x, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t y)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_constrains (ppl_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_unconstrain_space_dimension (ppl_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_dimension_type var)

- int ppl_Pointset_Powerset_BD_Shape_mpq_class_unconstrain_space_dimensions (ppl_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_affine_image (ppl_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_affine_preimage (ppl_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_bounded_affine_image (ppl_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_bounded_affine_preimage (ppl_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_generalized_affine_image (ppl_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_generalized_affine_preimage (ppl_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_add_space_dimensions_and_embed (ppl_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_add_space_dimensions_and_project (ppl_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_remove_space_dimensions (ppl_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_remove_higher_space_dimensions (ppl_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_expand_space_dimension (ppl_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_fold_space_dimensions (ppl_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_map_space_dimensions (ppl_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_drop_some_non_integer_points (ppl_Pointset_Powerset_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_BD_Shape_mpq_class_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_external_memory_in_bytes (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t ps, size_t *sz)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_total_memory_in_bytes (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t ps, size_t *sz)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_size (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t ps, size_t *sz)

- int ppl_Pointset_Powerset_BD_Shape_mpq_class_add_disjunct (ppl_Pointset_Powerset_BD_Shape_mpq_class_t ps, ppl_const_BD_Shape_mpq_class_t d)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_drop_disjunct (ppl_Pointset_Powerset_BD_Shape_mpq_class_t ps, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_iterator_t cit, ppl_Pointset_Powerset_BD_Shape_mpq_class_iterator_t it)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_drop_disjuncts (ppl_Pointset_Powerset_BD_Shape_mpq_class_t ps, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_iterator_t first, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_iterator_t last)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_BHZ03_H79_BHMZ05_widening_assign (ppl_Pointset_Powerset_BD_Shape_mpq_class_t x, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t y)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_BHZ03_H79_H79_widening_assign (ppl_Pointset_Powerset_BD_Shape_mpq_class_t x, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t y)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_BGP99_BHMZ05_extrapolation_assign (ppl_Pointset_Powerset_BD_Shape_mpq_class_t x, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t y, int disjuncts)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_BGP99_H79_extrapolation_assign (ppl_Pointset_Powerset_BD_Shape_mpq_class_t x, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t y, int disjuncts)
- int ppl_io_print_Pointset_Powerset_BD_Shape_mpq_class (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t x)
- int ppl_io_fprint_Pointset_Powerset_BD_Shape_mpq_class (FILE *stream, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t x)
- int ppl_io_asprint_Pointset_Powerset_BD_Shape_mpq_class (char **strp, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t x)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_ascii_dump (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t x, FILE *stream)
- int ppl_Pointset_Powerset_BD_Shape_mpq_class_ascii_load (ppl_Pointset_Powerset_BD_Shape_mpq_class_t x, FILE *stream)

7.75.1 Detailed Description

Types and functions for ppl_Pointset_Powerset_BD_Shape_mpq_class_tag.

7.75.2 Friends And Related Function Documentation

7.75.2.1 int ppl_delete_Pointset_Powerset_BD_Shape_mpq_class (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *ph*) [related]

7.75.2.2 int ppl_new_Pointset_Powerset_BD_Shape_mpq_class_from_space_dimension (ppl_Pointset_Powerset_BD_Shape_mpq_class_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.75.2.3 int ppl_new_Pointset_Powerset_BD_Shape_mpq_class_from_Pointset_Powerset_BD_Shape_mpq_class (ppl_Pointset_Powerset_BD_Shape_mpq_class_t * *pph*, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *ph*) [related]

7.75.2.4 int ppl_new_Pointset_Powerset_BD_Shape_mpq_class_from_BD_Shape_mpq_class (ppl_Pointset_Powerset_BD_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.75.2.5 int ppl_new_Pointset_Powerset_BD_Shape_mpq_class_from_Pointset_Powerset_BD_Shape_mpq_class_with_complexity (ppl_Pointset_Powerset_BD_Shape_mpq_class_t * *pph*, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.75.2.6 int ppl_new_Pointset_Powerset_BD_Shape_mpq_class_from_BD_Shape_mpq_class_with_complexity (ppl_Pointset_Powerset_BD_Shape_mpq_class_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.75.2.7 int ppl_new_Pointset_Powerset_BD_Shape_mpq_class_from_Constraint_System (ppl_Pointset_Powerset_BD_Shape_mpq_class_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.75.2.8 int ppl_new_Pointset_Powerset_BD_Shape_mpq_class_from_Congruence_System (ppl_Pointset_Powerset_BD_Shape_mpq_class_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.75.2.9 int ppl_Pointset_Powerset_BD_Shape_mpq_class_space_dimension (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_dimension_type * *m*) [related]

7.75.2.10 int ppl_Pointset_Powerset_BD_Shape_mpq_class_affine_dimension (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_dimension_type * *m*) [related]

7.75.2.11 int ppl_Pointset_Powerset_BD_Shape_mpq_class_relation_with_Constraint (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_const_Constraint_t *c*) [related]

7.75.2.12 int ppl_Pointset_Powerset_BD_Shape_mpq_class_relation_with_Generator (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_const_Generator_t *c*) [related]

7.75.2.13 int ppl_Pointset_Powerset_BD_Shape_mpq_class_relation_with_Congruence (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_const_Congruence_t *c*) [related]

7.75.2.14 int ppl_Pointset_Powerset_BD_Shape_mpq_class_is_empty (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *ph*) [related]

7.75.2.15 int ppl_Pointset_Powerset_BD_Shape_mpq_class_is_universe (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *ph*) [related]

7.75.2.16 int ppl_Pointset_Powerset_BD_Shape_mpq_class_is_bounded (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *ph*) [related]

7.75.2.17 int ppl_Pointset_Powerset_BD_Shape_mpq_class_contains_integer_point (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *ph*) [related]

7.75.2.18 int ppl_Pointset_Powerset_BD_Shape_mpq_class_is_topologically_closed (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *ph*) [related]

7.75.2.19 int ppl_Pointset_Powerset_BD_Shape_mpq_class_is_discrete (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *ph*) [related]

7.75.2.20 int ppl_Pointset_Powerset_BD_Shape_mpq_class_topological_closure_assign (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *ph*) [related]

7.75.2.21 int ppl_Pointset_Powerset_BD_Shape_mpq_class_pairwise_reduce (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *ph*) [related]

7.75.2.22 int ppl_Pointset_Powerset_BD_Shape_mpq_class_omega_reduce (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *ph*) [related]

7.75.2.23 int ppl_Pointset_Powerset_BD_Shape_mpq_class_bounds_from_above (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.75.2.24 int ppl_Pointset_Powerset_BD_Shape_mpq_class_bounds_from_below (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.75.2.25 int ppl_Pointset_Powerset_BD_Shape_mpq_class_maximize (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.75.2.26 int ppl_Pointset_Powerset_BD_Shape_mpq_class_minimize (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.75.2.27 int ppl_Pointset_Powerset_BD_Shape_mpq_class_maximize_with_point (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.75.2.28 int ppl_Pointset_Powerset_BD_Shape_mpq_class_minimize_with_point (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.75.2.29 int ppl_Pointset_Powerset_BD_Shape_mpq_class_contains_Pointset_Powerset_BD_Shape_mpq_class (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *y*) [related]

7.75.2.30 int ppl_Pointset_Powerset_BD_Shape_mpq_class_strictly_contains_Pointset_Powerset_BD_Shape_mpq_class (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *y*) [related]

7.75.2.31 int ppl_Pointset_Powerset_BD_Shape_mpq_class_is_disjoint_from_Pointset_Powerset_BD_Shape_mpq_class (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *y*) [related]

7.75.2.32 int ppl_Pointset_Powerset_BD_Shape_mpq_class_geometrically_covers_Pointset_Powerset_BD_Shape_mpq_class (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *y*) [related]

7.75.2.33 int ppl_Pointset_Powerset_BD_Shape_mpq_class_geometrically_equals_Pointset_Powerset_BD_Shape_mpq_class (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *y*) [related]

7.75.2.34 int ppl_Pointset_Powerset_BD_Shape_mpq_class_equals_Pointset_Powerset_BD_Shape_mpq_class (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *y*) [related]

7.75.2.35 int ppl_Pointset_Powerset_BD_Shape_mpq_class_OK (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *ph*) [related]

7.75.2.36 int ppl_Pointset_Powerset_BD_Shape_mpq_class_add_constraint (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_const_Constraint_t *c*) [related]

7.75.2.37 int ppl_Pointset_Powerset_BD_Shape_mpq_class_add_congruence (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_const_Congruence_t *c*) [related]

7.75.2.38 int ppl_Pointset_Powerset_BD_Shape_mpq_class_add_constraints (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.75.2.39 int ppl_Pointset_Powerset_BD_Shape_mpq_class_add_congruences (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.75.2.40 int ppl_Pointset_Powerset_BD_Shape_mpq_class_refine_with_constraint (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_const_Constraint_t *c*) [related]

7.75.2.41 int ppl_Pointset_Powerset_BD_Shape_mpq_class_refine_with_congruence (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_const_Congruence_t *c*) [related]

7.75.2.42 int ppl_Pointset_Powerset_BD_Shape_mpq_class_refine_with_constraints (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.75.2.43 int ppl_Pointset_Powerset_BD_Shape_mpq_class_refine_with_congruences (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.75.2.44 int ppl_Pointset_Powerset_BD_Shape_mpq_class_intersection_assign (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *y*) [related]

7.75.2.45 int ppl_Pointset_Powerset_BD_Shape_mpq_class_upper_bound_assign (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *y*) [related]

7.75.2.46 int ppl_Pointset_Powerset_BD_Shape_mpq_class_difference_assign (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *y*) [related]

7.75.2.47 int ppl_Pointset_Powerset_BD_Shape_mpq_class_concatenate_assign (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *y*) [related]

7.75.2.48 int ppl_Pointset_Powerset_BD_Shape_mpq_class_time_elapse_assign (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *y*) [related]

7.75.2.49 int ppl_Pointset_Powerset_BD_Shape_mpq_class_upper_bound_assign_if_exact (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *y*) [related]

7.75.2.50 int ppl_Pointset_Powerset_BD_Shape_mpq_class_simplify_using_context_assign (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *y*) [related]

7.75.2.51 int ppl_Pointset_Powerset_BD_Shape_mpq_class_constrains (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_dimension_type *var*) [related]

7.75.2.52 int ppl_Pointset_Powerset_BD_Shape_mpq_class_unconstrain_space_dimension (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_dimension_type *var*) [related]

7.75.2.53 int ppl_Pointset_Powerset_BD_Shape_mpq_class_unconstrain_space_dimensions (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.75.2.54 int ppl_Pointset_Powerset_BD_Shape_mpq_class_affine_image (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.75.2.55 int ppl_Pointset_Powerset_BD_Shape_mpq_class_affine_preimage (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.75.2.56 int ppl_Pointset_Powerset_BD_Shape_mpq_class_bounded_affine_image (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.75.2.57 int ppl_Pointset_Powerset_BD_Shape_mpq_class_bounded_affine_preimage (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.75.2.58 int ppl_Pointset_Powerset_BD_Shape_mpq_class_generalized_affine_image (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.75.2.59 int ppl_Pointset_Powerset_BD_Shape_mpq_class_generalized_affine_preimage (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.75.2.60 int ppl_Pointset_Powerset_BD_Shape_mpq_class_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.75.2.61 int ppl_Pointset_Powerset_BD_Shape_mpq_class_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.75.2.62 int ppl_Pointset_Powerset_BD_Shape_mpq_class_add_space_dimensions_and_embed (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_dimension_type *d*) [related]

7.75.2.63 int ppl_Pointset_Powerset_BD_Shape_mpq_class_add_space_dimensions_and_project (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_dimension_type *d*) [related]

7.75.2.64 int ppl_Pointset_Powerset_BD_Shape_mpq_class_remove_space_dimensions (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.75.2.65 int ppl_Pointset_Powerset_BD_Shape_mpq_class_remove_higher_space_dimensions (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_dimension_type *d*) [related]

7.75.2.66 int ppl_Pointset_Powerset_BD_Shape_mpq_class_expand_space_dimension (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.75.2.67 int ppl_Pointset_Powerset_BD_Shape_mpq_class_fold_space_dimensions (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.75.2.68 int ppl_Pointset_Powerset_BD_Shape_mpq_class_map_space_dimensions (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.75.2.69 int ppl_Pointset_Powerset_BD_Shape_mpq_class_drop_some_non_integer_points (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.75.2.70 int ppl_Pointset_Powerset_BD_Shape_mpq_class_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.75.2.71 int ppl_Pointset_Powerset_BD_Shape_mpq_class_external_memory_in_bytes (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *ps*, size_t * *sz*) [related]

7.75.2.72 int ppl_Pointset_Powerset_BD_Shape_mpq_class_total_memory_in_bytes (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *ps*, size_t * *sz*) [related]

7.75.2.73 int ppl_Pointset_Powerset_BD_Shape_mpq_class_size (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *ps*, size_t * *sz*) [related]

7.75.2.74 int ppl_Pointset_Powerset_BD_Shape_mpq_class_add_disjunct (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *ps*, ppl_const_BD_Shape_mpq_class_t *d*) [related]

7.75.2.75 int ppl_Pointset_Powerset_BD_Shape_mpq_class_drop_disjunct (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *ps*, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_iterator_t *cit*, ppl_Pointset_Powerset_BD_Shape_mpq_class_iterator_t *it*) [related]

7.75.2.76 int ppl_Pointset_Powerset_BD_Shape_mpq_class_drop_disjuncts (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *ps*, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_iterator_t *first*, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_iterator_t *last*) [related]

7.75.2.77 int ppl_Pointset_Powerset_BD_Shape_mpq_class_BHZ03_H79_BHMZ05_widening_assign (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *y*) [related]

7.75.2.78 int ppl_Pointset_Powerset_BD_Shape_mpq_class_BHZ03_H79_H79_widening_assign (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *y*) [related]

7.75.2.79 int ppl_Pointset_Powerset_BD_Shape_mpq_class_BGP99_BHMZ05_extrapolation_assign (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *y*, int *disjuncts*) [related]

7.75.2.80 int ppl_Pointset_Powerset_BD_Shape_mpq_class_BGP99_H79_extrapolation_assign (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *y*, int *disjuncts*) [related]

7.75.2.81 int ppl_io_print_Pointset_Powerset_BD_Shape_mpq_class (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *x*) [related]

7.75.2.82 int ppl_io_fprint_Pointset_Powerset_BD_Shape_mpq_class (FILE * *stream*, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *x*) [related]

7.75.2.83 int ppl_io_asprint_Pointset_Powerset_BD_Shape_mpq_class (char ** *strp*, ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *x*) [related]

7.75.2.84 int ppl_Pointset_Powerset_BD_Shape_mpq_class_ascii_dump (ppl_const_Pointset_Powerset_BD_Shape_mpq_class_t *x*, FILE * *stream*) [related]

7.75.2.85 int ppl_Pointset_Powerset_BD_Shape_mpq_class_ascii_load (ppl_Pointset_Powerset_BD_Shape_mpq_class_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.76 ppl_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_BD_Shape_mpz_class_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_BD_Shape_mpz_class_const_iterator (ppl_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_t *pit)
- int ppl_new_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_from_const_iterator (ppl_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_t *px, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_t y)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_begin (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t ps, ppl_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_end (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t ps, ppl_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_equal_test (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_t x, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_t y)

- int ppl_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_increment (ppl_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_decrement (ppl_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_dereference (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_t ps, ppl_const_BD_Shape_mpz_class_t *d)
- int ppl_delete_Pointset_Powerset_BD_Shape_mpz_class_const_iterator (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_t psit)

7.76.1 Detailed Description

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_BD_Shape_mpz_class_tag.

7.76.2 Friends And Related Function Documentation

7.76.2.1 int ppl_new_Pointset_Powerset_BD_Shape_mpz_class_const_iterator (ppl_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_t * *pit*) [related]

7.76.2.2 int ppl_new_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_from_const_iterator (ppl_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_t * *px*, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_t *y*) [related]

7.76.2.3 int ppl_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_begin (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *ps*, ppl_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_t *psit*) [related]

7.76.2.4 int ppl_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_end (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *ps*, ppl_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_t *psit*) [related]

7.76.2.5 int ppl_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_equal_test (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_t *y*) [related]

7.76.2.6 int ppl_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_increment (ppl_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_t *psit*) [related]

7.76.2.7 int ppl_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_decrement (ppl_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_t *psit*) [related]

7.76.2.8 int ppl_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_dereference (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_t *ps*, ppl_const_BD_Shape_mpz_class_t * *d*) [related]

7.76.2.9 int ppl_delete_Pointset_Powerset_BD_Shape_mpz_class_const_iterator (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_const_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.77 ppl_Pointset_Powerset_BD_Shape_mpz_class_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_BD_Shape_mpz_class_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_BD_Shape_mpz_class_iterator (ppl_Pointset_Powerset_BD_Shape_mpz_class_iterator_t *pit)
- int ppl_new_Pointset_Powerset_BD_Shape_mpz_class_iterator_from_iterator (ppl_Pointset_Powerset_BD_Shape_mpz_class_iterator_t *px, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_iterator_t y)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_iterator_begin (ppl_Pointset_Powerset_BD_Shape_mpz_class_t ps, ppl_Pointset_Powerset_BD_Shape_mpz_class_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_iterator_end (ppl_Pointset_Powerset_BD_Shape_mpz_class_t ps, ppl_Pointset_Powerset_BD_Shape_mpz_class_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_iterator_equal_test (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_iterator_t x, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_iterator_t y)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_iterator_increment (ppl_Pointset_Powerset_BD_Shape_mpz_class_iterator_t psit)

- int ppl_Pointset_Powerset_BD_Shape_mpz_class_iterator_decrement (ppl_Pointset_Powerset_-BD_Shape_mpz_class_iterator_t psit)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_iterator_dereference (ppl_const_Pointset_-Powerset_BD_Shape_mpz_class_iterator_t ps, ppl_const_BD_Shape_mpz_class_t *d)
- int ppl_delete_Pointset_Powerset_BD_Shape_mpz_class_iterator (ppl_const_Pointset_Powerset_-BD_Shape_mpz_class_iterator_t psit)

7.77.1 Detailed Description

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_BD_Shape_mpz_class_tag.

7.77.2 Friends And Related Function Documentation

7.77.2.1 int ppl_new_Pointset_Powerset_BD_Shape_mpz_class_iterator (ppl_Pointset_Powerset_BD_Shape_mpz_class_iterator_t * *pit*) [related]

7.77.2.2 int ppl_new_Pointset_Powerset_BD_Shape_mpz_class_iterator_from_iterator (ppl_Pointset_Powerset_BD_Shape_mpz_class_iterator_t * *px*, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_iterator_t *y*) [related]

7.77.2.3 int ppl_Pointset_Powerset_BD_Shape_mpz_class_iterator_begin (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *ps*, ppl_Pointset_Powerset_BD_Shape_-mpz_class_iterator_t *psit*) [related]

7.77.2.4 int ppl_Pointset_Powerset_BD_Shape_mpz_class_iterator_end (ppl_Pointset_Powerset_-BD_Shape_mpz_class_t *ps*, ppl_Pointset_Powerset_BD_Shape_mpz_class_iterator_t *psit*) [related]

7.77.2.5 int ppl_Pointset_Powerset_BD_Shape_mpz_class_iterator_equal_test (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_iterator_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_iterator_t *y*) [related]

7.77.2.6 int ppl_Pointset_Powerset_BD_Shape_mpz_class_iterator_increment (ppl_Pointset_Powerset_BD_Shape_mpz_class_iterator_t *psit*) [related]

7.77.2.7 int ppl_Pointset_Powerset_BD_Shape_mpz_class_iterator_decrement (ppl_Pointset_Powerset_BD_Shape_mpz_class_iterator_t *psit*) [related]

7.77.2.8 int ppl_Pointset_Powerset_BD_Shape_mpz_class_iterator_dereference (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_iterator_t *ps*, ppl_const_BD_Shape_mpz_class_t * *d*) [related]

7.77.2.9 int ppl_delete_Pointset_Powerset_BD_Shape_mpz_class_iterator (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.78 ppl_Pointset_Powerset_BD_Shape_mpz_class_tag Interface Reference

Types and functions for ppl_Pointset_Powerset_BD_Shape_mpz_class_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Pointset_Powerset_BD_Shape_mpz_class (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t ph)
- int ppl_new_Pointset_Powerset_BD_Shape_mpz_class_from_space_dimension (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Pointset_Powerset_BD_Shape_mpz_class_from_Pointset_Powerset_BD_Shape_mpz_class (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *pph, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t ph)
- int ppl_new_Pointset_Powerset_BD_Shape_mpz_class_from_BD_Shape_mpz_class (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_Pointset_Powerset_BD_Shape_mpz_class_from_Pointset_Powerset_BD_Shape_mpz_class_with_complexity (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *pph, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Pointset_Powerset_BD_Shape_mpz_class_from_BD_Shape_mpz_class_with_complexity (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Pointset_Powerset_BD_Shape_mpz_class_from_Constraint_System (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Pointset_Powerset_BD_Shape_mpz_class_from_Congruence_System (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_space_dimension (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_dimension_type *m)

- int ppl_Pointset_Powerset_BD_Shape_mpz_class_affine_dimension (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_relation_with_Constraint (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_relation_with_Generator (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_const_Generator_t c)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_relation_with_Congruence (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_is_empty (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t ph)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_is_universe (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t ph)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_is_bounded (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t ph)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_contains_integer_point (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t ph)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_is_topologically_closed (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t ph)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_is_discrete (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t ph)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_topological_closure_assign (ppl_Pointset_Powerset_BD_Shape_mpz_class_t ph)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_pairwise_reduce (ppl_Pointset_Powerset_BD_Shape_mpz_class_t ph)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_omega_reduce (ppl_Pointset_Powerset_BD_Shape_mpz_class_t ph)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_bounds_from_above (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_bounds_from_below (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_maximize (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_minimize (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_maximize_with_point (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_minimize_with_point (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_contains_Pointset_Powerset_BD_Shape_mpz_class (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t x, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t y)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_strictly_contains_Pointset_Powerset_BD_Shape_mpz_class (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t x, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t y)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_is_disjoint_from_Pointset_Powerset_BD_Shape_mpz_class (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t x, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t y)

- int ppl_Pointset_Powerset_BD_Shape_mpz_class_geometrically_covers_Pointset_Powerset_BD_Shape_mpz_class (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t x, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t y)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_geometrically_equals_Pointset_Powerset_BD_Shape_mpz_class (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t x, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t y)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_equals_Pointset_Powerset_BD_Shape_mpz_class (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t x, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t y)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_OK (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t ph)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_add_constraint (ppl_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_add_congruence (ppl_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_add_constraints (ppl_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_add_congruences (ppl_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_refine_with_constraint (ppl_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_refine_with_congruence (ppl_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_refine_with_constraints (ppl_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_refine_with_congruences (ppl_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_intersection_assign (ppl_Pointset_Powerset_BD_Shape_mpz_class_t x, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t y)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_upper_bound_assign (ppl_Pointset_Powerset_BD_Shape_mpz_class_t x, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t y)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_difference_assign (ppl_Pointset_Powerset_BD_Shape_mpz_class_t x, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t y)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_concatenate_assign (ppl_Pointset_Powerset_BD_Shape_mpz_class_t x, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t y)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_time_elapse_assign (ppl_Pointset_Powerset_BD_Shape_mpz_class_t x, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t y)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_upper_bound_assign_if_exact (ppl_Pointset_Powerset_BD_Shape_mpz_class_t x, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t y)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_simplify_using_context_assign (ppl_Pointset_Powerset_BD_Shape_mpz_class_t x, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t y)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_constrains (ppl_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_unconstrain_space_dimension (ppl_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_unconstrain_space_dimensions (ppl_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_affine_image (ppl_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_affine_preimage (ppl_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)

- int ppl_Pointset_Powerset_BD_Shape_mpz_class_bounded_affine_image (ppl_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_bounded_affine_preimage (ppl_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_generalized_affine_image (ppl_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_generalized_affine_preimage (ppl_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_add_space_dimensions_and_embed (ppl_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_add_space_dimensions_and_project (ppl_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_remove_space_dimensions (ppl_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_remove_higher_space_dimensions (ppl_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_expand_space_dimension (ppl_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_fold_space_dimensions (ppl_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_map_space_dimensions (ppl_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_drop_some_non_integer_points (ppl_Pointset_Powerset_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_BD_Shape_mpz_class_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_external_memory_in_bytes (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t ps, size_t *sz)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_total_memory_in_bytes (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t ps, size_t *sz)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_size (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t ps, size_t *sz)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_add_disjunct (ppl_Pointset_Powerset_BD_Shape_mpz_class_t ps, ppl_const_BD_Shape_mpz_class_t d)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_drop_disjunct (ppl_Pointset_Powerset_BD_Shape_mpz_class_t ps, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_iterator_t cit, ppl_Pointset_Powerset_BD_Shape_mpz_class_iterator_t it)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_drop_disjuncts (ppl_Pointset_Powerset_BD_Shape_mpz_class_t ps, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_iterator_t first, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_iterator_t last)

- int ppl_Pointset_Powerset_BD_Shape_mpz_class_BHZ03_H79_BHMZ05_widening_assign (ppl_Pointset_Powerset_BD_Shape_mpz_class_t x, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t y)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_BHZ03_H79_H79_widening_assign (ppl_Pointset_Powerset_BD_Shape_mpz_class_t x, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t y)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_BGP99_BHMZ05_extrapolation_assign (ppl_Pointset_Powerset_BD_Shape_mpz_class_t x, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t y, int disjuncts)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_BGP99_H79_extrapolation_assign (ppl_Pointset_Powerset_BD_Shape_mpz_class_t x, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t y, int disjuncts)
- int ppl_io_print_Pointset_Powerset_BD_Shape_mpz_class (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t x)
- int ppl_io_fprint_Pointset_Powerset_BD_Shape_mpz_class (FILE *stream, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t x)
- int ppl_io_asprint_Pointset_Powerset_BD_Shape_mpz_class (char **strp, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t x)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_ascii_dump (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t x, FILE *stream)
- int ppl_Pointset_Powerset_BD_Shape_mpz_class_ascii_load (ppl_Pointset_Powerset_BD_Shape_mpz_class_t x, FILE *stream)

7.78.1 Detailed Description

Types and functions for ppl_Pointset_Powerset_BD_Shape_mpz_class_tag.

7.78.2 Friends And Related Function Documentation

7.78.2.1 int ppl_delete_Pointset_Powerset_BD_Shape_mpz_class (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *ph*) [related]

7.78.2.2 int ppl_new_Pointset_Powerset_BD_Shape_mpz_class_from_space_dimension (ppl_Pointset_Powerset_BD_Shape_mpz_class_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.78.2.3 int ppl_new_Pointset_Powerset_BD_Shape_mpz_class_from_Pointset_Powerset_BD_Shape_mpz_class (ppl_Pointset_Powerset_BD_Shape_mpz_class_t * *pph*, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *ph*) [related]

7.78.2.4 int ppl_new_Pointset_Powerset_BD_Shape_mpz_class_from_BD_-Shape_mpz_class (ppl_Pointset_Powerset_BD_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.78.2.5 int ppl_new_Pointset_Powerset_BD_Shape_mpz_class_from_Pointset_Powerset_BD_-Shape_mpz_class_with_complexity (ppl_Pointset_Powerset_BD_Shape_mpz_class_t * *pph*, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.78.2.6 int ppl_new_Pointset_Powerset_BD_Shape_mpz_class_from_BD_Shape_mpz_-class_with_complexity (ppl_Pointset_Powerset_BD_Shape_mpz_class_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.78.2.7 int ppl_new_Pointset_Powerset_BD_Shape_mpz_class_from_Constraint_System (ppl_Pointset_Powerset_BD_Shape_mpz_class_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.78.2.8 int ppl_new_Pointset_Powerset_BD_Shape_mpz_class_from_Congruence_System (ppl_Pointset_Powerset_BD_Shape_mpz_class_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.78.2.9 int ppl_Pointset_Powerset_BD_Shape_mpz_class_space_dimension (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_dimension_type * *m*) [related]

7.78.2.10 int ppl_Pointset_Powerset_BD_Shape_mpz_class_affine_dimension (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_dimension_type * *m*) [related]

7.78.2.11 int ppl_Pointset_Powerset_BD_Shape_mpz_class_relation_with_Constraint (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_const_Constraint_t *c*) [related]

7.78.2.12 int ppl_Pointset_Powerset_BD_Shape_mpz_class_relation_with_Generator (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_const_Generator_t *c*) [related]

7.78.2.13 int ppl_Pointset_Powerset_BD_Shape_mpz_class_relation_with_Congruence (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_const_Congruence_t *c*) [related]

7.78.2.14 int ppl_Pointset_Powerset_BD_Shape_mpz_class_is_empty (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *ph*) [related]

7.78.2.15 int ppl_Pointset_Powerset_BD_Shape_mpz_class_is_universe (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *ph*) [related]

7.78.2.16 int ppl_Pointset_Powerset_BD_Shape_mpz_class_is_bounded (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *ph*) [related]

7.78.2.17 int ppl_Pointset_Powerset_BD_Shape_mpz_class_contains_integer_point (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *ph*) [related]

7.78.2.18 int ppl_Pointset_Powerset_BD_Shape_mpz_class_is_topologically_closed (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *ph*) [related]

7.78.2.19 int ppl_Pointset_Powerset_BD_Shape_mpz_class_is_discrete (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *ph*) [related]

7.78.2.20 int ppl_Pointset_Powerset_BD_Shape_mpz_class_topological_closure_assign (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *ph*) [related]

7.78.2.21 int ppl_Pointset_Powerset_BD_Shape_mpz_class_pairwise_reduce (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *ph*) [related]

7.78.2.22 int ppl_Pointset_Powerset_BD_Shape_mpz_class_omega_reduce (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *ph*) [related]

7.78.2.23 int ppl_Pointset_Powerset_BD_Shape_mpz_class_bounds_from_above (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.78.2.24 int ppl_Pointset_Powerset_BD_Shape_mpz_class_bounds_from_below (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.78.2.25 int ppl_Pointset_Powerset_BD_Shape_mpz_class_maximize (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.78.2.26 int ppl_Pointset_Powerset_BD_Shape_mpz_class_minimize (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.78.2.27 int ppl_Pointset_Powerset_BD_Shape_mpz_class_maximize_with_point (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.78.2.28 int ppl_Pointset_Powerset_BD_Shape_mpz_class_minimize_with_point (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.78.2.29 int ppl_Pointset_Powerset_BD_Shape_mpz_class_contains_Pointset_Powerset_BD_Shape_mpz_class (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *y*) [related]

7.78.2.30 int ppl_Pointset_Powerset_BD_Shape_mpz_class_strictly_contains_Pointset_Powerset_BD_Shape_mpz_class (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *y*) [related]

7.78.2.31 int ppl_Pointset_Powerset_BD_Shape_mpz_class_is_disjoint_from_Pointset_Powerset_BD_Shape_mpz_class (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *y*) [related]

7.78.2.32 int ppl_Pointset_Powerset_BD_Shape_mpz_class_geometrically_covers_Pointset_Powerset_BD_Shape_mpz_class (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *y*) [related]

7.78.2.33 int ppl_Pointset_Powerset_BD_Shape_mpz_class_geometrically_equals_Pointset_Powerset_BD_Shape_mpz_class (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *y*) [related]

7.78.2.34 int ppl_Pointset_Powerset_BD_Shape_mpz_class_equals_Pointset_Powerset_BD_Shape_mpz_class (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *y*) [related]

7.78.2.35 int ppl_Pointset_Powerset_BD_Shape_mpz_class_OK (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *ph*) [related]

7.78.2.36 int ppl_Pointset_Powerset_BD_Shape_mpz_class_add_constraint (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_const_Constraint_t *c*) [related]

7.78.2.37 int ppl_Pointset_Powerset_BD_Shape_mpz_class_add_congruence (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_const_Congruence_t *c*) [related]

7.78.2.38 int ppl_Pointset_Powerset_BD_Shape_mpz_class_add_constraints (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.78.2.39 int ppl_Pointset_Powerset_BD_Shape_mpz_class_add_congruences (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.78.2.40 int ppl_Pointset_Powerset_BD_Shape_mpz_class_refine_with_constraint (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_const_Constraint_t *c*) [related]

7.78.2.41 int ppl_Pointset_Powerset_BD_Shape_mpz_class_refine_with_congruence (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_const_Congruence_t *c*) [related]

7.78.2.42 int ppl_Pointset_Powerset_BD_Shape_mpz_class_refine_with_constraints (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.78.2.43 int ppl_Pointset_Powerset_BD_Shape_mpz_class_refine_with_congruences (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.78.2.44 int ppl_Pointset_Powerset_BD_Shape_mpz_class_intersection_assign (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *x*, ppl_const_Pointset_Powerset_BD_-Shape_mpz_class_t *y*) [related]

7.78.2.45 int ppl_Pointset_Powerset_BD_Shape_mpz_class_upper_bound_assign (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *y*) [related]

7.78.2.46 int ppl_Pointset_Powerset_BD_Shape_mpz_class_difference_assign (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *y*) [related]

7.78.2.47 int ppl_Pointset_Powerset_BD_Shape_mpz_class_concatenate_assign (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *y*) [related]

7.78.2.48 int ppl_Pointset_Powerset_BD_Shape_mpz_class_time_elapse_assign (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *y*) [related]

7.78.2.49 int ppl_Pointset_Powerset_BD_Shape_mpz_class_upper_bound_assign_if_exact (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *y*) [related]

7.78.2.50 int ppl_Pointset_Powerset_BD_Shape_mpz_class_simplify_using_context_assign (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *y*) [related]

7.78.2.51 int ppl_Pointset_Powerset_BD_Shape_mpz_class_constrains (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_dimension_type *var*) [related]

7.78.2.52 int ppl_Pointset_Powerset_BD_Shape_mpz_class_unconstrain_space_dimension (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_dimension_type *var*) [related]

7.78.2.53 int ppl_Pointset_Powerset_BD_Shape_mpz_class_unconstrain_space_dimensions (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.78.2.54 int ppl_Pointset_Powerset_BD_Shape_mpz_class_affine_image (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.78.2.55 int ppl_Pointset_Powerset_BD_Shape_mpz_class_affine_preimage (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.78.2.56 int ppl_Pointset_Powerset_BD_Shape_mpz_class_bounded_affine_image (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.78.2.57 int ppl_Pointset_Powerset_BD_Shape_mpz_class_bounded_affine_preimage (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.78.2.58 int ppl_Pointset_Powerset_BD_Shape_mpz_class_generalized_affine_image (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.78.2.59 int ppl_Pointset_Powerset_BD_Shape_mpz_class_generalized_affine_preimage (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.78.2.60 int ppl_Pointset_Powerset_BD_Shape_mpz_class_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.78.2.61 int ppl_Pointset_Powerset_BD_Shape_mpz_class_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.78.2.62 int ppl_Pointset_Powerset_BD_Shape_mpz_class_add_space_dimensions_and_embed (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_dimension_type *d*) [related]

7.78.2.63 int ppl_Pointset_Powerset_BD_Shape_mpz_class_add_space_dimensions_and_project (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_dimension_type *d*) [related]

7.78.2.64 int ppl_Pointset_Powerset_BD_Shape_mpz_class_remove_space_dimensions (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.78.2.65 int ppl_Pointset_Powerset_BD_Shape_mpz_class_remove_higher_space_dimensions (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_dimension_type *d*) [related]

7.78.2.66 int ppl_Pointset_Powerset_BD_Shape_mpz_class_expand_space_dimension (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.78.2.67 int ppl_Pointset_Powerset_BD_Shape_mpz_class_fold_space_dimensions (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.78.2.68 int ppl_Pointset_Powerset_BD_Shape_mpz_class_map_space_dimensions (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.78.2.69 int ppl_Pointset_Powerset_BD_Shape_mpz_class_drop_some_non_integer_points (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.78.2.70 int ppl_Pointset_Powerset_BD_Shape_mpz_class_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.78.2.71 int ppl_Pointset_Powerset_BD_Shape_mpz_class_external_memory_in_bytes (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *ps*, size_t * *sz*) [related]

7.78.2.72 int ppl_Pointset_Powerset_BD_Shape_mpz_class_total_memory_in_bytes (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *ps*, size_t * *sz*) [related]

7.78.2.73 int ppl_Pointset_Powerset_BD_Shape_mpz_class_size (ppl_const_Pointset_Powerset_-BD_Shape_mpz_class_t *ps*, size_t * *sz*) [related]

7.78.2.74 int ppl_Pointset_Powerset_BD_Shape_mpz_class_add_disjunct (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *ps*, ppl_const_BD_Shape_mpz_class_t *d*) [related]

7.78.2.75 int ppl_Pointset_Powerset_BD_Shape_mpz_class_drop_disjunct (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *ps*, ppl_-const_Pointset_Powerset_BD_Shape_mpz_class_iterator_t *cit*, ppl_Pointset_Powerset_BD_Shape_mpz_class_iterator_t *it*) [related]

7.78.2.76 int ppl_Pointset_Powerset_BD_Shape_mpz_class_drop_disjuncts (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *ps*, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_iterator_t *first*, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_iterator_t *last*) [related]

7.78.2.77 int ppl_Pointset_Powerset_BD_Shape_mpz_class_BHZ03_H79_BHMZ05_widening_assign (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *y*) [related]

7.78.2.78 int ppl_Pointset_Powerset_BD_Shape_mpz_class_BHZ03_H79_H79_widening_assign (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *y*) [related]

7.78.2.79 int ppl_Pointset_Powerset_BD_Shape_mpz_class_BGP99_BHMZ05_extrapolation_assign (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *y*, int *disjuncts*) [related]

7.78.2.80 int ppl_Pointset_Powerset_BD_Shape_mpz_class_BGP99_H79_extrapolation_assign (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *x*, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *y*, int *disjuncts*) [related]

7.78.2.81 int ppl_io_print_Pointset_Powerset_BD_Shape_mpz_class (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *x*) [related]

7.78.2.82 int ppl_io_fprint_Pointset_Powerset_BD_Shape_mpz_class (FILE * *stream*, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *x*) [related]

7.78.2.83 int ppl_io_asprint_Pointset_Powerset_BD_Shape_mpz_class (char ** *strp*, ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *x*) [related]

7.78.2.84 int ppl_Pointset_Powerset_BD_Shape_mpz_class_ascii_dump (ppl_const_Pointset_Powerset_BD_Shape_mpz_class_t *x*, FILE * *stream*) [related]

7.78.2.85 int ppl_Pointset_Powerset_BD_Shape_mpz_class_ascii_load (ppl_Pointset_Powerset_BD_Shape_mpz_class_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.79 ppl_Pointset_Powerset_C_Polyhedron_const_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_C_Polyhedron_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

Construction, Initialization and Destruction

- int ppl_new_Pointset_Powerset_C_Polyhedron_const_iterator (ppl_Pointset_Powerset_C_Polyhedron_const_iterator_t *pit)
  Builds a new 'const iterator' and writes a handle to it at address `pit`.
- int ppl_new_Pointset_Powerset_C_Polyhedron_const_iterator_from_const_iterator (ppl_Pointset_Powerset_C_Polyhedron_const_iterator_t *pit, ppl_const_Pointset_Powerset_C_Polyhedron_const_iterator_t y)
  Builds a copy of `y` *and writes a handle to it at address* `pit`.
- int ppl_Pointset_Powerset_C_Polyhedron_const_iterator_begin (ppl_const_Pointset_Powerset_C_Polyhedron_t ps, ppl_Pointset_Powerset_C_Polyhedron_const_iterator_t psit)
  Assigns to `psit` *a const iterator "pointing" to the beginning of the sequence of disjuncts of* `ps`.
- int ppl_Pointset_Powerset_C_Polyhedron_const_iterator_end (ppl_const_Pointset_Powerset_C_Polyhedron_t ps, ppl_Pointset_Powerset_C_Polyhedron_const_iterator_t psit)
  Assigns to `psit` *a const iterator "pointing" past the end of the sequence of disjuncts of* `ps`.
- int ppl_delete_Pointset_Powerset_C_Polyhedron_const_iterator (ppl_const_Pointset_Powerset_C_Polyhedron_const_iterator_t it)
  Invalidates the handle `it`*: this makes sure the corresponding resources will eventually be released.*

Dereferencing, Increment, Decrement and Equality Testing

- int ppl_Pointset_Powerset_C_Polyhedron_const_iterator_dereference (ppl_const_Pointset_Powerset_C_Polyhedron_const_iterator_t it, ppl_const_Polyhedron_t *d)

Dereferences `it` *writing a const handle to the resulting disjunct at address* `d`.

- int ppl_Pointset_Powerset_C_Polyhedron_const_iterator_increment (ppl_Pointset_Powerset_C_Polyhedron_const_iterator_t it)

  Increments `it` *so that it "points" to the next disjunct.*

- int ppl_Pointset_Powerset_C_Polyhedron_const_iterator_decrement (ppl_Pointset_Powerset_C_Polyhedron_const_iterator_t it)

  Decrements `it` *so that it "points" to the previous disjunct.*

- int ppl_Pointset_Powerset_C_Polyhedron_const_iterator_equal_test (ppl_const_Pointset_Powerset_C_Polyhedron_const_iterator_t x, ppl_const_Pointset_Powerset_C_Polyhedron_const_iterator_t y)

  Returns a positive integer if the iterators corresponding to `x` *and* `y` *are equal; returns 0 if they are different.*

7.79.1 Detailed Description

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_C_Polyhedron_tag.

7.79.2 Friends And Related Function Documentation

7.79.2.1 int ppl_new_Pointset_Powerset_C_Polyhedron_const_iterator (ppl_Pointset_Powerset_C_Polyhedron_const_iterator_t * *pit*) [related]

Builds a new 'const iterator' and writes a handle to it at address `pit`.

7.79.2.2 int ppl_new_Pointset_Powerset_C_Polyhedron_const_iterator_from_const_iterator (ppl_Pointset_Powerset_C_Polyhedron_const_iterator_t * *pit*, ppl_const_Pointset_Powerset_C_Polyhedron_const_iterator_t *y*) [related]

Builds a copy of `y` and writes a handle to it at address `pit`.

7.79.2.3 int ppl_Pointset_Powerset_C_Polyhedron_const_iterator_begin (ppl_const_Pointset_Powerset_C_Polyhedron_t *ps*, ppl_Pointset_Powerset_C_Polyhedron_const_iterator_t *psit*) [related]

Assigns to `psit` a const iterator "pointing" to the beginning of the sequence of disjuncts of `ps`.

7.79.2.4 int ppl_Pointset_Powerset_C_Polyhedron_const_iterator_end (ppl_const_Pointset_Powerset_C_Polyhedron_t *ps*, ppl_Pointset_Powerset_C_Polyhedron_const_iterator_t *psit*) [related]

Assigns to `psit` a const iterator "pointing" past the end of the sequence of disjuncts of `ps`.

7.79.2.5 int ppl_delete_Pointset_Powerset_C_Polyhedron_const_iterator (ppl_const_Pointset_Powerset_C_Polyhedron_const_iterator_t *it*) [related]

Invalidates the handle `it`: this makes sure the corresponding resources will eventually be released.

7.79.2.6 int ppl_Pointset_Powerset_C_Polyhedron_const_iterator_dereference (ppl_const_Pointset_Powerset_C_Polyhedron_const_iterator_t *it*, ppl_const_Polyhedron_t * *d*) [related]

Dereferences `it` writing a const handle to the resulting disjunct at address `d`.

Warning

On exit, the disjunct `d` is still owned by the powerset object: any function call on the owning powerset object may invalidate it. Moreover, `d` should **not** be deleted directly: its resources will be released when deleting the owning powerset.

7.79.2.7 int ppl_Pointset_Powerset_C_Polyhedron_const_iterator_increment (ppl_Pointset_Powerset_C_Polyhedron_const_iterator_t *it*) [related]

Increments `it` so that it "points" to the next disjunct.

7.79.2.8 int ppl_Pointset_Powerset_C_Polyhedron_const_iterator_decrement (ppl_Pointset_Powerset_C_Polyhedron_const_iterator_t *it*) [related]

Decrements `it` so that it "points" to the previous disjunct.

7.79.2.9 int ppl_Pointset_Powerset_C_Polyhedron_const_iterator_equal_test (ppl_const_Pointset_Powerset_C_Polyhedron_const_iterator_t *x*, ppl_const_Pointset_Powerset_C_Polyhedron_const_iterator_t *y*) [related]

Returns a positive integer if the iterators corresponding to `x` and `y` are equal; returns 0 if they are different.

The documentation for this interface was generated from the following files:

- ppl_c.h
- C_interface.dox

7.80 ppl_Pointset_Powerset_C_Polyhedron_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_C_Polyhedron_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

Construction, Initialization and Destruction

- int ppl_new_Pointset_Powerset_C_Polyhedron_iterator (ppl_Pointset_Powerset_C_Polyhedron_iterator_t *pit)

  Builds a new 'iterator' and writes a handle to it at address `pit`.

- int ppl_new_Pointset_Powerset_C_Polyhedron_iterator_from_iterator (ppl_Pointset_Powerset_C_Polyhedron_iterator_t *pit, ppl_const_Pointset_Powerset_C_Polyhedron_iterator_t y)

  Builds a copy of `y` *and writes a handle to it at address* `pit`.

- int ppl_Pointset_Powerset_C_Polyhedron_iterator_begin (ppl_Pointset_Powerset_C_Polyhedron_t ps, ppl_Pointset_Powerset_C_Polyhedron_iterator_t psit)

  Assigns to `psit` *an iterator "pointing" to the beginning of the sequence of disjuncts of* `ps`.

- int ppl_Pointset_Powerset_C_Polyhedron_iterator_end (ppl_Pointset_Powerset_C_Polyhedron_t ps, ppl_Pointset_Powerset_C_Polyhedron_iterator_t psit)

  Assigns to `psit` *an iterator "pointing" past the end of the sequence of disjuncts of* `ps`.

- int ppl_delete_Pointset_Powerset_C_Polyhedron_iterator (ppl_const_Pointset_Powerset_C_Polyhedron_iterator_t it)

  Invalidates the handle `it`*: this makes sure the corresponding resources will eventually be released.*

Dereferencing, Increment, Decrement and Equality Testing

- int ppl_Pointset_Powerset_C_Polyhedron_iterator_dereference (ppl_const_Pointset_Powerset_C_Polyhedron_iterator_t it, ppl_const_Polyhedron_t *d)

  Dereferences `it` *writing a const handle to the resulting disjunct at address* `d`.

- int ppl_Pointset_Powerset_C_Polyhedron_iterator_increment (ppl_Pointset_Powerset_C_Polyhedron_iterator_t it)

  Increments `it` *so that it "points" to the next disjunct.*

- int ppl_Pointset_Powerset_C_Polyhedron_iterator_decrement (ppl_Pointset_Powerset_C_Polyhedron_iterator_t it)

  Decrements `it` *so that it "points" to the previous disjunct.*

- int ppl_Pointset_Powerset_C_Polyhedron_iterator_equal_test (ppl_const_Pointset_Powerset_C_Polyhedron_iterator_t x, ppl_const_Pointset_Powerset_C_Polyhedron_iterator_t y)

  Returns a positive integer if the iterators corresponding to `x` *and* `y` *are equal; returns 0 if they are different.*

7.80.1 Detailed Description

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_C_Polyhedron_tag.

7.80.2 Friends And Related Function Documentation

7.80.2.1 int ppl_new_Pointset_Powerset_C_Polyhedron_iterator (ppl_Pointset_Powerset_C_-Polyhedron_iterator_t * *pit*) [related]

Builds a new 'iterator' and writes a handle to it at address `pit`.

7.80.2.2 int ppl_new_Pointset_Powerset_C_Polyhedron_iterator_from_-iterator (ppl_Pointset_Powerset_C_Polyhedron_iterator_t * *pit*, ppl_const_Pointset_Powerset_C_Polyhedron_iterator_t *y*) [related]

Builds a copy of `y` and writes a handle to it at address `pit`.

7.80.2.3 int ppl_Pointset_Powerset_C_Polyhedron_iterator_begin (ppl_Pointset_Powerset_-C_Polyhedron_t *ps*, ppl_Pointset_Powerset_C_Polyhedron_iterator_t *psit*) [related]

Assigns to `psit` an iterator "pointing" to the beginning of the sequence of disjuncts of `ps`.

7.80.2.4 int ppl_Pointset_Powerset_C_Polyhedron_iterator_end (ppl_Pointset_Powerset_-C_Polyhedron_t *ps*, ppl_Pointset_Powerset_C_Polyhedron_iterator_t *psit*) [related]

Assigns to `psit` an iterator "pointing" past the end of the sequence of disjuncts of `ps`.

7.80.2.5 int ppl_delete_Pointset_Powerset_C_Polyhedron_iterator (ppl_const_Pointset_-Powerset_C_Polyhedron_iterator_t *it*) [related]

Invalidates the handle `it`: this makes sure the corresponding resources will eventually be released.

7.80.2.6 int ppl_Pointset_Powerset_C_Polyhedron_iterator_dereference (ppl_const_-Pointset_Powerset_C_Polyhedron_iterator_t *it*, ppl_const_Polyhedron_t * *d*) [related]

Dereferences `it` writing a const handle to the resulting disjunct at address `d`.

Note

Even though `it` is an non-const iterator, dereferencing it results in a handle to a **const** disjunct. This is because mutable iterators are meant to allow for the modification of the sequence of disjuncts (e.g., by dropping elements), while preventing direct modifications of the disjuncts they point to.

Warning

On exit, the disjunct `d` is still owned by the powerset object: any function call on the owning powerset object may invalidate it. Moreover, `d` should **not** be deleted directly: its resources will be released when deleting the owning powerset.

7.80.2.7 int ppl_Pointset_Powerset_C_Polyhedron_iterator_increment (ppl_Pointset_Powerset_C_Polyhedron_iterator_t *it*) [related]

Increments `it` so that it "points" to the next disjunct.

7.80.2.8 int ppl_Pointset_Powerset_C_Polyhedron_iterator_decrement (ppl_Pointset_Powerset_C_Polyhedron_iterator_t *it*) [related]

Decrements `it` so that it "points" to the previous disjunct.

7.80.2.9 int ppl_Pointset_Powerset_C_Polyhedron_iterator_equal_test (ppl_const_Pointset_Powerset_C_Polyhedron_iterator_t *x*, ppl_const_Pointset_Powerset_C_Polyhedron_iterator_t *y*) [related]

Returns a positive integer if the iterators corresponding to `x` and `y` are equal; returns 0 if they are different.

The documentation for this interface was generated from the following files:

- ppl_c.h
- C_interface.dox

7.81 ppl_Pointset_Powerset_C_Polyhedron_tag Interface Reference

Types and functions for the Pointset_Powerset of C_Polyhedron objects.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Pointset_Powerset_C_Polyhedron (ppl_const_Pointset_Powerset_C_Polyhedron_t ph)
- int ppl_new_Pointset_Powerset_C_Polyhedron_from_space_dimension (ppl_Pointset_Powerset_C_Polyhedron_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Pointset_Powerset_C_Polyhedron_from_Pointset_Powerset_C_Polyhedron (ppl_Pointset_Powerset_C_Polyhedron_t *pph, ppl_const_Pointset_Powerset_C_Polyhedron_t ph)
- int ppl_new_Pointset_Powerset_C_Polyhedron_from_C_Polyhedron (ppl_Pointset_Powerset_C_Polyhedron_t *pph, ppl_const_Polyhedron_t ph)

- int ppl_new_Pointset_Powerset_C_Polyhedron_from_Pointset_Powerset_C_Polyhedron_with_complexity (ppl_Pointset_Powerset_C_Polyhedron_t *pph, ppl_const_Pointset_Powerset_C_Polyhedron_t ph, int complexity)
- int ppl_new_Pointset_Powerset_C_Polyhedron_from_C_Polyhedron_with_complexity (ppl_Pointset_Powerset_C_Polyhedron_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Pointset_Powerset_C_Polyhedron_from_Constraint_System (ppl_Pointset_Powerset_C_Polyhedron_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Pointset_Powerset_C_Polyhedron_from_Congruence_System (ppl_Pointset_Powerset_C_Polyhedron_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_C_Polyhedron_space_dimension (ppl_const_Pointset_Powerset_C_Polyhedron_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_C_Polyhedron_affine_dimension (ppl_const_Pointset_Powerset_C_Polyhedron_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_C_Polyhedron_relation_with_Constraint (ppl_const_Pointset_Powerset_C_Polyhedron_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_C_Polyhedron_relation_with_Generator (ppl_const_Pointset_Powerset_C_Polyhedron_t ph, ppl_const_Generator_t c)
- int ppl_Pointset_Powerset_C_Polyhedron_relation_with_Congruence (ppl_const_Pointset_Powerset_C_Polyhedron_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_C_Polyhedron_is_empty (ppl_const_Pointset_Powerset_C_Polyhedron_t ph)
- int ppl_Pointset_Powerset_C_Polyhedron_is_universe (ppl_const_Pointset_Powerset_C_Polyhedron_t ph)
- int ppl_Pointset_Powerset_C_Polyhedron_is_bounded (ppl_const_Pointset_Powerset_C_Polyhedron_t ph)
- int ppl_Pointset_Powerset_C_Polyhedron_contains_integer_point (ppl_const_Pointset_Powerset_C_Polyhedron_t ph)
- int ppl_Pointset_Powerset_C_Polyhedron_is_topologically_closed (ppl_const_Pointset_Powerset_C_Polyhedron_t ph)
- int ppl_Pointset_Powerset_C_Polyhedron_is_discrete (ppl_const_Pointset_Powerset_C_Polyhedron_t ph)
- int ppl_Pointset_Powerset_C_Polyhedron_topological_closure_assign (ppl_Pointset_Powerset_C_Polyhedron_t ph)
- int ppl_Pointset_Powerset_C_Polyhedron_omega_reduce (ppl_Pointset_Powerset_C_Polyhedron_t ph)
- int ppl_Pointset_Powerset_C_Polyhedron_bounds_from_above (ppl_const_Pointset_Powerset_C_Polyhedron_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_C_Polyhedron_bounds_from_below (ppl_const_Pointset_Powerset_C_Polyhedron_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_C_Polyhedron_maximize (ppl_const_Pointset_Powerset_C_Polyhedron_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_C_Polyhedron_minimize (ppl_const_Pointset_Powerset_C_Polyhedron_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_C_Polyhedron_maximize_with_point (ppl_const_Pointset_Powerset_C_Polyhedron_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_C_Polyhedron_minimize_with_point (ppl_const_Pointset_Powerset_C_Polyhedron_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)

- int ppl_Pointset_Powerset_C_Polyhedron_contains_Pointset_Powerset_C_Polyhedron (ppl_const_Pointset_Powerset_C_Polyhedron_t x, ppl_const_Pointset_Powerset_C_Polyhedron_t y)
- int ppl_Pointset_Powerset_C_Polyhedron_strictly_contains_Pointset_Powerset_C_Polyhedron (ppl_const_Pointset_Powerset_C_Polyhedron_t x, ppl_const_Pointset_Powerset_C_Polyhedron_t y)
- int ppl_Pointset_Powerset_C_Polyhedron_is_disjoint_from_Pointset_Powerset_C_Polyhedron (ppl_const_Pointset_Powerset_C_Polyhedron_t x, ppl_const_Pointset_Powerset_C_Polyhedron_t y)
- int ppl_Pointset_Powerset_C_Polyhedron_equals_Pointset_Powerset_C_Polyhedron (ppl_const_Pointset_Powerset_C_Polyhedron_t x, ppl_const_Pointset_Powerset_C_Polyhedron_t y)
- int ppl_Pointset_Powerset_C_Polyhedron_OK (ppl_const_Pointset_Powerset_C_Polyhedron_t ph)
- int ppl_Pointset_Powerset_C_Polyhedron_add_constraint (ppl_Pointset_Powerset_C_Polyhedron_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_C_Polyhedron_add_congruence (ppl_Pointset_Powerset_C_Polyhedron_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_C_Polyhedron_add_constraints (ppl_Pointset_Powerset_C_Polyhedron_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_C_Polyhedron_add_congruences (ppl_Pointset_Powerset_C_Polyhedron_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_C_Polyhedron_refine_with_constraint (ppl_Pointset_Powerset_C_Polyhedron_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_C_Polyhedron_refine_with_congruence (ppl_Pointset_Powerset_C_Polyhedron_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_C_Polyhedron_refine_with_constraints (ppl_Pointset_Powerset_C_Polyhedron_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_C_Polyhedron_refine_with_congruences (ppl_Pointset_Powerset_C_Polyhedron_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_C_Polyhedron_intersection_assign (ppl_Pointset_Powerset_C_Polyhedron_t x, ppl_const_Pointset_Powerset_C_Polyhedron_t y)
- int ppl_Pointset_Powerset_C_Polyhedron_upper_bound_assign (ppl_Pointset_Powerset_C_Polyhedron_t x, ppl_const_Pointset_Powerset_C_Polyhedron_t y)
- int ppl_Pointset_Powerset_C_Polyhedron_difference_assign (ppl_Pointset_Powerset_C_Polyhedron_t x, ppl_const_Pointset_Powerset_C_Polyhedron_t y)
- int ppl_Pointset_Powerset_C_Polyhedron_concatenate_assign (ppl_Pointset_Powerset_C_Polyhedron_t x, ppl_const_Pointset_Powerset_C_Polyhedron_t y)
- int ppl_Pointset_Powerset_C_Polyhedron_time_elapse_assign (ppl_Pointset_Powerset_C_Polyhedron_t x, ppl_const_Pointset_Powerset_C_Polyhedron_t y)
- int ppl_Pointset_Powerset_C_Polyhedron_upper_bound_assign_if_exact (ppl_Pointset_Powerset_C_Polyhedron_t x, ppl_const_Pointset_Powerset_C_Polyhedron_t y)
- int ppl_Pointset_Powerset_C_Polyhedron_simplify_using_context_assign (ppl_Pointset_Powerset_C_Polyhedron_t x, ppl_const_Pointset_Powerset_C_Polyhedron_t y)
- int ppl_Pointset_Powerset_C_Polyhedron_constrains (ppl_Pointset_Powerset_C_Polyhedron_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_C_Polyhedron_unconstrain_space_dimension (ppl_Pointset_Powerset_C_Polyhedron_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_C_Polyhedron_unconstrain_space_dimensions (ppl_Pointset_Powerset_C_Polyhedron_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_C_Polyhedron_affine_image (ppl_Pointset_Powerset_C_Polyhedron_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_C_Polyhedron_affine_preimage (ppl_Pointset_Powerset_C_Polyhedron_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)

- int ppl_Pointset_Powerset_C_Polyhedron_bounded_affine_image (ppl_Pointset_Powerset_C_Polyhedron_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_C_Polyhedron_bounded_affine_preimage (ppl_Pointset_Powerset_C_Polyhedron_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_C_Polyhedron_generalized_affine_image (ppl_Pointset_Powerset_C_Polyhedron_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_C_Polyhedron_generalized_affine_preimage (ppl_Pointset_Powerset_C_Polyhedron_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_C_Polyhedron_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_C_Polyhedron_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_C_Polyhedron_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_C_Polyhedron_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_C_Polyhedron_add_space_dimensions_and_embed (ppl_Pointset_Powerset_C_Polyhedron_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_C_Polyhedron_add_space_dimensions_and_project (ppl_Pointset_Powerset_C_Polyhedron_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_C_Polyhedron_remove_space_dimensions (ppl_Pointset_Powerset_C_Polyhedron_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_C_Polyhedron_remove_higher_space_dimensions (ppl_Pointset_Powerset_C_Polyhedron_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_C_Polyhedron_expand_space_dimension (ppl_Pointset_Powerset_C_Polyhedron_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Pointset_Powerset_C_Polyhedron_fold_space_dimensions (ppl_Pointset_Powerset_C_Polyhedron_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Pointset_Powerset_C_Polyhedron_map_space_dimensions (ppl_Pointset_Powerset_C_Polyhedron_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Pointset_Powerset_C_Polyhedron_drop_some_non_integer_points (ppl_Pointset_Powerset_C_Polyhedron_t ph, int complexity)
- int ppl_Pointset_Powerset_C_Polyhedron_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_C_Polyhedron_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Pointset_Powerset_C_Polyhedron_external_memory_in_bytes (ppl_const_Pointset_Powerset_C_Polyhedron_t ps, size_t *sz)
- int ppl_Pointset_Powerset_C_Polyhedron_total_memory_in_bytes (ppl_const_Pointset_Powerset_C_Polyhedron_t ps, size_t *sz)
- int ppl_Pointset_Powerset_C_Polyhedron_BHZ03_BHRZ03_BHRZ03_widening_assign (ppl_Pointset_Powerset_C_Polyhedron_t x, ppl_const_Pointset_Powerset_C_Polyhedron_t y)
- int ppl_Pointset_Powerset_C_Polyhedron_BHZ03_H79_H79_widening_assign (ppl_Pointset_Powerset_C_Polyhedron_t x, ppl_const_Pointset_Powerset_C_Polyhedron_t y)
- int ppl_Pointset_Powerset_C_Polyhedron_BGP99_BHRZ03_extrapolation_assign (ppl_Pointset_Powerset_C_Polyhedron_t x, ppl_const_Pointset_Powerset_C_Polyhedron_t y, int disjuncts)
- int ppl_Pointset_Powerset_C_Polyhedron_BGP99_H79_extrapolation_assign (ppl_Pointset_Powerset_C_Polyhedron_t x, ppl_const_Pointset_Powerset_C_Polyhedron_t y, int disjuncts)
- int ppl_io_print_Pointset_Powerset_C_Polyhedron (ppl_const_Pointset_Powerset_C_Polyhedron_t x)
- int ppl_io_fprint_Pointset_Powerset_C_Polyhedron (FILE *stream, ppl_const_Pointset_Powerset_C_Polyhedron_t x)

- int ppl_io_asprint_Pointset_Powerset_C_Polyhedron (char **strp, ppl_const_Pointset_Powerset_C_Polyhedron_t x)
- int ppl_Pointset_Powerset_C_Polyhedron_ascii_dump (ppl_const_Pointset_Powerset_C_Polyhedron_t x, FILE *stream)
- int ppl_Pointset_Powerset_C_Polyhedron_ascii_load (ppl_Pointset_Powerset_C_Polyhedron_t x, FILE *stream)

Ad Hoc Functions for Pointset_Powerset domains

- int ppl_Pointset_Powerset_C_Polyhedron_omega_reduce (ppl_const_Pointset_Powerset_C_Polyhedron_t ps)

  Drops from the sequence of disjuncts in `ps` all the non-maximal elements so that `ps` is non-redundant.

- int ppl_Pointset_Powerset_C_Polyhedron_size (ppl_const_Pointset_Powerset_C_Polyhedron_t ps, size_t *sz)

  Writes to `sz` the number of disjuncts in `ps`.

- int ppl_Pointset_Powerset_C_Polyhedron_geometrically_covers_Pointset_Powerset_C_Polyhedron (ppl_const_Pointset_Powerset_C_Polyhedron_t x, ppl_const_Pointset_Powerset_C_Polyhedron_t y)

  Returns a positive integer if powerset `x` geometrically covers powerset `y`; returns 0 otherwise.

- int ppl_Pointset_Powerset_C_Polyhedron_geometrically_equals_Pointset_Powerset_C_Polyhedron (ppl_const_Pointset_Powerset_C_Polyhedron_t x, ppl_const_Pointset_Powerset_C_Polyhedron_t y)

  Returns a positive integer if powerset `x` is geometrically equal to powerset `y`; returns 0 otherwise.

- int ppl_Pointset_Powerset_C_Polyhedron_add_disjunct (ppl_Pointset_Powerset_C_Polyhedron_t ps, ppl_const_Polyhedron_t d)

  Adds to `ps` a copy of disjunct `d`.

- int ppl_Pointset_Powerset_C_Polyhedron_drop_disjunct (ppl_Pointset_Powerset_C_Polyhedron_t ps, ppl_const_Pointset_Powerset_C_Polyhedron_iterator_t cit, ppl_Pointset_Powerset_C_Polyhedron_iterator_t it)

  Drops from `ps` the disjunct pointed to by `cit`, assigning to `it` an iterator to the disjunct following `cit`.

- int ppl_Pointset_Powerset_C_Polyhedron_drop_disjuncts (ppl_Pointset_Powerset_C_Polyhedron_t ps, ppl_const_Pointset_Powerset_C_Polyhedron_iterator_t first, ppl_const_Pointset_Powerset_C_Polyhedron_iterator_t last)

  Drops from `ps` all the disjuncts from `first` to `last` (excluded).

- int ppl_Pointset_Powerset_C_Polyhedron_pairwise_reduce (ppl_Pointset_Powerset_C_Polyhedron_t ps)

  Modifies `ps` by (recursively) merging together the pairs of disjuncts whose upper-bound is the same as their set-theoretical union.

7.81.1 Detailed Description

Types and functions for the Pointset_Powerset of C_Polyhedron objects. Types and functions for ppl_Pointset_Powerset_C_Polyhedron_tag.

The powerset domains can be instantiated by taking as a base domain any fixed semantic geometric description (C and NNC polyhedra, BD and octagonal shapes, boxes and grids). An element of the powerset

domain represents a disjunctive collection of base objects (its disjuncts), all having the same space dimension.

Besides the functions that are available in all semantic geometric descriptions (whose documentation is not repeated here), the powerset domain also provides several ad hoc functions. In particular, the iterator types allow for the examination and manipulation of the collection of disjuncts.

7.81.2 Friends And Related Function Documentation

7.81.2.1 int ppl_Pointset_Powerset_C_Polyhedron_size (ppl_const_Pointset_Powerset_C_Polyhedron_t *ps*, size_t * *sz*) [related]

Writes to `sz` the number of disjuncts in `ps`.

Note

If present, Omega-redundant elements will be counted too.

7.81.2.2 int ppl_Pointset_Powerset_C_Polyhedron_geometrically_covers_Pointset_Powerset_C_Polyhedron (ppl_const_Pointset_Powerset_C_Polyhedron_t *x*, ppl_const_Pointset_Powerset_C_Polyhedron_t *y*) [related]

Returns a positive integer if powerset `x` geometrically covers powerset `y`; returns 0 otherwise.

7.81.2.3 int ppl_Pointset_Powerset_C_Polyhedron_geometrically_equals_Pointset_Powerset_C_Polyhedron (ppl_const_Pointset_Powerset_C_Polyhedron_t *x*, ppl_const_Pointset_Powerset_C_Polyhedron_t *y*) [related]

Returns a positive integer if powerset `x` is geometrically equal to powerset `y`; returns 0 otherwise.

7.81.2.4 int ppl_Pointset_Powerset_C_Polyhedron_add_disjunct (ppl_Pointset_Powerset_C_Polyhedron_t *ps*, ppl_const_Polyhedron_t *d*) [related]

Adds to `ps` a copy of disjunct `d`.

7.81.2.5 int ppl_Pointset_Powerset_C_Polyhedron_drop_disjunct (ppl_Pointset_Powerset_C_Polyhedron_t *ps*, ppl_const_Pointset_Powerset_C_Polyhedron_iterator_t *cit*, ppl_Pointset_Powerset_C_Polyhedron_iterator_t *it*) [related]

Drops from `ps` the disjunct pointed to by `cit`, assigning to `it` an iterator to the disjunct following `cit`.

7.81.2.6 int ppl_Pointset_Powerset_C_Polyhedron_drop_disjuncts (ppl_Pointset_Powerset_C_Polyhedron_t *ps*, ppl_const_Pointset_Powerset_C_Polyhedron_iterator_t *first*, ppl_const_Pointset_Powerset_C_Polyhedron_iterator_t *last*) [related]

Drops from `ps` all the disjuncts from `first` to `last` (excluded).

7.81.2.7 int ppl_Pointset_Powerset_C_Polyhedron_pairwise_reduce (ppl_Pointset_Powerset_C_Polyhedron_t *ps*) [related]

Modifies `ps` by (recursively) merging together the pairs of disjuncts whose upper-bound is the same as their set-theoretical union.

7.81.2.8 int ppl_delete_Pointset_Powerset_C_Polyhedron (ppl_const_Pointset_Powerset_C_Polyhedron_t *ph*) [related]

7.81.2.9 int ppl_new_Pointset_Powerset_C_Polyhedron_from_space_dimension (ppl_Pointset_Powerset_C_Polyhedron_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.81.2.10 int ppl_new_Pointset_Powerset_C_Polyhedron_from_Pointset_Powerset_C_Polyhedron (ppl_Pointset_Powerset_C_Polyhedron_t * *pph*, ppl_const_Pointset_Powerset_C_Polyhedron_t *ph*) [related]

7.81.2.11 int ppl_new_Pointset_Powerset_C_Polyhedron_from_C_Polyhedron (ppl_Pointset_Powerset_C_Polyhedron_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.81.2.12 int ppl_new_Pointset_Powerset_C_Polyhedron_from_Pointset_Powerset_C_Polyhedron_with_complexity (ppl_Pointset_Powerset_C_Polyhedron_t * *pph*, ppl_const_Pointset_Powerset_C_Polyhedron_t *ph*, int *complexity*) [related]

7.81.2.13 int ppl_new_Pointset_Powerset_C_Polyhedron_from_C_Polyhedron_with_complexity (ppl_Pointset_Powerset_C_Polyhedron_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.81.2.14 int ppl_new_Pointset_Powerset_C_Polyhedron_from_Constraint_System (ppl_Pointset_Powerset_C_Polyhedron_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.81.2.15 int ppl_new_Pointset_Powerset_C_Polyhedron_from_Congruence_System (ppl_Pointset_Powerset_C_Polyhedron_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.81.2.16 int ppl_Pointset_Powerset_C_Polyhedron_space_dimension (ppl_const_Pointset_Powerset_C_Polyhedron_t *ph*, ppl_dimension_type * *m*) [related]

7.81.2.17 int ppl_Pointset_Powerset_C_Polyhedron_affine_dimension (ppl_const_Pointset_Powerset_C_Polyhedron_t *ph*, ppl_dimension_type * *m*) [related]

7.81.2.18 int ppl_Pointset_Powerset_C_Polyhedron_relation_with_Constraint (ppl_const_Pointset_Powerset_C_Polyhedron_t *ph*, ppl_const_Constraint_t *c*) [related]

7.81.2.19 int ppl_Pointset_Powerset_C_Polyhedron_relation_with_Generator (ppl_const_Pointset_Powerset_C_Polyhedron_t *ph*, ppl_const_Generator_t *c*) [related]

7.81.2.20 int ppl_Pointset_Powerset_C_Polyhedron_relation_with_Congruence (ppl_const_Pointset_Powerset_C_Polyhedron_t *ph*, ppl_const_Congruence_t *c*) [related]

7.81.2.21 int ppl_Pointset_Powerset_C_Polyhedron_is_empty (ppl_const_Pointset_Powerset_C_Polyhedron_t *ph*) [related]

7.81.2.22 int ppl_Pointset_Powerset_C_Polyhedron_is_universe (ppl_const_Pointset_Powerset_C_Polyhedron_t *ph*) [related]

7.81.2.23 int ppl_Pointset_Powerset_C_Polyhedron_is_bounded (ppl_const_Pointset_Powerset_C_Polyhedron_t *ph*) [related]

7.81.2.24 int ppl_Pointset_Powerset_C_Polyhedron_contains_integer_point (ppl_const_Pointset_Powerset_C_Polyhedron_t *ph*) [related]

7.81.2.25 int ppl_Pointset_Powerset_C_Polyhedron_is_topologically_closed (ppl_const_Pointset_Powerset_C_Polyhedron_t *ph*) [related]

7.81.2.26 int ppl_Pointset_Powerset_C_Polyhedron_is_discrete (ppl_const_Pointset_Powerset_C_Polyhedron_t *ph*) [related]

7.81.2.27 int ppl_Pointset_Powerset_C_Polyhedron_topological_closure_assign (ppl_Pointset_Powerset_C_Polyhedron_t *ph*) [related]

7.81.2.28 int ppl_Pointset_Powerset_C_Polyhedron_omega_reduce (ppl_Pointset_Powerset_C_Polyhedron_t *ph*) [related]

7.81.2.29 int ppl_Pointset_Powerset_C_Polyhedron_bounds_from_above (ppl_const_Pointset_Powerset_C_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.81.2.30 int ppl_Pointset_Powerset_C_Polyhedron_bounds_from_below (ppl_const_Pointset_Powerset_C_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.81.2.31 int ppl_Pointset_Powerset_C_Polyhedron_maximize (ppl_const_Pointset_Powerset_C_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.81.2.32 int ppl_Pointset_Powerset_C_Polyhedron_minimize (ppl_const_Pointset_Powerset_C_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.81.2.33 int ppl_Pointset_Powerset_C_Polyhedron_maximize_with_point (ppl_const_Pointset_Powerset_C_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.81.2.34 int ppl_Pointset_Powerset_C_Polyhedron_minimize_with_point (ppl_const_Pointset_Powerset_C_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.81.2.35 int ppl_Pointset_Powerset_C_Polyhedron_contains_Pointset_Powerset_C_Polyhedron (ppl_const_Pointset_Powerset_C_Polyhedron_t *x*, ppl_const_Pointset_Powerset_C_Polyhedron_t *y*) [related]

7.81.2.36 int ppl_Pointset_Powerset_C_Polyhedron_strictly_contains_Pointset_Powerset_C_Polyhedron (ppl_const_Pointset_Powerset_C_Polyhedron_t *x*, ppl_const_Pointset_Powerset_C_Polyhedron_t *y*) [related]

7.81.2.37 int ppl_Pointset_Powerset_C_Polyhedron_is_disjoint_from_Pointset_Powerset_C_Polyhedron (ppl_const_Pointset_Powerset_C_Polyhedron_t *x*, ppl_const_Pointset_Powerset_C_Polyhedron_t *y*) [related]

7.81.2.38 int ppl_Pointset_Powerset_C_Polyhedron_equals_Pointset_Powerset_C_Polyhedron (ppl_const_Pointset_Powerset_C_Polyhedron_t *x*, ppl_const_Pointset_Powerset_C_Polyhedron_t *y*) [related]

7.81.2.39 int ppl_Pointset_Powerset_C_Polyhedron_OK (ppl_const_Pointset_Powerset_C_-Polyhedron_t *ph*) [related]

7.81.2.40 int ppl_Pointset_Powerset_C_Polyhedron_add_constraint (ppl_-Pointset_Powerset_C_Polyhedron_t *ph*, ppl_const_Constraint_t *c*) [related]

7.81.2.41 int ppl_Pointset_Powerset_C_Polyhedron_add_congruence (ppl_-Pointset_Powerset_C_Polyhedron_t *ph*, ppl_const_Congruence_t *c*) [related]

7.81.2.42 int ppl_Pointset_Powerset_C_Polyhedron_add_constraints (ppl_Pointset_-Powerset_C_Polyhedron_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.81.2.43 int ppl_Pointset_Powerset_C_Polyhedron_add_congruences (ppl_Pointset_-Powerset_C_Polyhedron_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.81.2.44 int ppl_Pointset_Powerset_C_Polyhedron_refine_with_constraint (ppl_Pointset_Powerset_C_Polyhedron_t *ph*, ppl_const_Constraint_t *c*) [related]

7.81.2.45 int ppl_Pointset_Powerset_C_Polyhedron_refine_with_congruence (ppl_Pointset_Powerset_C_Polyhedron_t *ph*, ppl_const_Congruence_t *c*) [related]

7.81.2.46 int ppl_Pointset_Powerset_C_Polyhedron_refine_with_constraints (ppl_Pointset_Powerset_C_Polyhedron_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.81.2.47 int ppl_Pointset_Powerset_C_Polyhedron_refine_with_congruences (ppl_Pointset_Powerset_C_Polyhedron_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.81.2.48 int ppl_Pointset_Powerset_C_Polyhedron_intersection_assign (ppl_Pointset_Powerset_C_Polyhedron_t *x*, ppl_const_Pointset_Powerset_C_Polyhedron_t *y*) [related]

7.81.2.49 int ppl_Pointset_Powerset_C_Polyhedron_upper_bound_assign (ppl_Pointset_Powerset_C_Polyhedron_t *x*, ppl_const_Pointset_Powerset_C_Polyhedron_t *y*) [related]

7.81.2.50 int ppl_Pointset_Powerset_C_Polyhedron_difference_assign (ppl_Pointset_Powerset_C_Polyhedron_t *x*, ppl_const_Pointset_Powerset_C_Polyhedron_t *y*) [related]

7.81.2.51 int ppl_Pointset_Powerset_C_Polyhedron_concatenate_assign (ppl_Pointset_Powerset_C_Polyhedron_t *x*, ppl_const_Pointset_Powerset_C_Polyhedron_t *y*) [related]

7.81.2.52 int ppl_Pointset_Powerset_C_Polyhedron_time_elapse_assign (ppl_Pointset_Powerset_C_Polyhedron_t *x*, ppl_const_Pointset_Powerset_C_Polyhedron_t *y*) [related]

7.81.2.53 int ppl_Pointset_Powerset_C_Polyhedron_upper_bound_assign_if_exact (ppl_Pointset_Powerset_C_Polyhedron_t *x*, ppl_const_Pointset_Powerset_C_Polyhedron_t *y*) [related]

7.81.2.54 int ppl_Pointset_Powerset_C_Polyhedron_simplify_using_context_assign (ppl_Pointset_Powerset_C_Polyhedron_t *x*, ppl_const_Pointset_Powerset_C_Polyhedron_t *y*) [related]

7.81.2.55 int ppl_Pointset_Powerset_C_Polyhedron_constrains (ppl_Pointset_Powerset_C_Polyhedron_t *ph*, ppl_dimension_type *var*) [related]

7.81.2.56 int ppl_Pointset_Powerset_C_Polyhedron_unconstrain_space_dimension (ppl_Pointset_Powerset_C_Polyhedron_t *ph*, ppl_dimension_type *var*) [related]

7.81.2.57 int ppl_Pointset_Powerset_C_Polyhedron_unconstrain_space_dimensions (ppl_Pointset_Powerset_C_Polyhedron_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.81.2.58 int ppl_Pointset_Powerset_C_Polyhedron_affine_image (ppl_Pointset_Powerset_C_Polyhedron_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.81.2.59 int ppl_Pointset_Powerset_C_Polyhedron_affine_preimage (ppl_Pointset_Powerset_C_Polyhedron_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.81.2.60 int ppl_Pointset_Powerset_C_Polyhedron_bounded_affine_image (ppl_Pointset_Powerset_C_Polyhedron_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.81.2.61 int ppl_Pointset_Powerset_C_Polyhedron_bounded_affine_preimage (ppl_Pointset_Powerset_C_Polyhedron_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.81.2.62 int ppl_Pointset_Powerset_C_Polyhedron_generalized_affine_image (ppl_Pointset_Powerset_C_Polyhedron_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.81.2.63 int ppl_Pointset_Powerset_C_Polyhedron_generalized_affine_preimage (ppl_Pointset_Powerset_C_Polyhedron_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.81.2.64 int ppl_Pointset_Powerset_C_Polyhedron_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_C_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.81.2.65 int ppl_Pointset_Powerset_C_Polyhedron_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_C_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.81.2.66 int ppl_Pointset_Powerset_C_Polyhedron_add_space_dimensions_and_embed (ppl_Pointset_Powerset_C_Polyhedron_t *ph*, ppl_dimension_type *d*) [related]

7.81.2.67 int ppl_Pointset_Powerset_C_Polyhedron_add_space_dimensions_and_project (ppl_Pointset_Powerset_C_Polyhedron_t *ph*, ppl_dimension_type *d*) [related]

7.81.2.68 int ppl_Pointset_Powerset_C_Polyhedron_remove_space_dimensions (ppl_Pointset_Powerset_C_Polyhedron_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.81.2.69 int ppl_Pointset_Powerset_C_Polyhedron_remove_higher_space_dimensions (ppl_Pointset_Powerset_C_Polyhedron_t *ph*, ppl_dimension_type *d*) [related]

7.81.2.70 int ppl_Pointset_Powerset_C_Polyhedron_expand_space_dimension (ppl_Pointset_Powerset_C_Polyhedron_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.81.2.71 int ppl_Pointset_Powerset_C_Polyhedron_fold_space_dimensions (ppl_Pointset_Powerset_C_Polyhedron_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.81.2.72 int ppl_Pointset_Powerset_C_Polyhedron_map_space_dimensions (ppl_Pointset_Powerset_C_Polyhedron_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.81.2.73 int ppl_Pointset_Powerset_C_Polyhedron_drop_some_non_integer_points (ppl_Pointset_Powerset_C_Polyhedron_t *ph*, int *complexity*) [related]

7.81.2.74 int ppl_Pointset_Powerset_C_Polyhedron_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_C_Polyhedron_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.81.2.75 int ppl_Pointset_Powerset_C_Polyhedron_external_memory_in_bytes (ppl_const_Pointset_Powerset_C_Polyhedron_t *ps*, size_t * *sz*) [related]

7.81.2.76 int ppl_Pointset_Powerset_C_Polyhedron_total_memory_in_bytes (ppl_const_Pointset_Powerset_C_Polyhedron_t *ps*, size_t * *sz*) [related]

7.81.2.77 int ppl_Pointset_Powerset_C_Polyhedron_BHZ03_BHRZ03_-BHRZ03_widening_assign (ppl_Pointset_Powerset_C_Polyhedron_t *x*, ppl_const_Pointset_Powerset_C_Polyhedron_t *y*) [related]

7.81.2.78 int ppl_Pointset_Powerset_C_Polyhedron_BHZ03_H79_H79_widening_assign (ppl_-Pointset_Powerset_C_Polyhedron_t *x*, ppl_const_Pointset_Powerset_C_Polyhedron_t *y*) [related]

7.81.2.79 int ppl_Pointset_Powerset_C_Polyhedron_BGP99_BHRZ03_extrapolation_assign (ppl_Pointset_Powerset_C_Polyhedron_t *x*, ppl_const_Pointset_Powerset_C_Polyhedron_t *y*, int *disjuncts*) [related]

7.81.2.80 int ppl_Pointset_Powerset_C_Polyhedron_BGP99_H79_extrapolation_assign (ppl_Pointset_Powerset_C_Polyhedron_t *x*, ppl_const_Pointset_Powerset_C_Polyhedron_t *y*, int *disjuncts*) [related]

7.81.2.81 int ppl_io_print_Pointset_Powerset_C_Polyhedron (ppl_const_Pointset_Powerset_C_Polyhedron_t *x*) [related]

7.81.2.82 int ppl_io_fprint_Pointset_Powerset_C_Polyhedron (FILE * *stream*, ppl_const_Pointset_Powerset_C_Polyhedron_t *x*) [related]

7.81.2.83 int ppl_io_asprint_Pointset_Powerset_C_Polyhedron (char ** *strp*, ppl_const_Pointset_Powerset_C_Polyhedron_t *x*) [related]

7.81.2.84 int ppl_Pointset_Powerset_C_Polyhedron_ascii_dump (ppl_const_Pointset_Powerset_C_Polyhedron_t *x*, FILE * *stream*) [related]

7.81.2.85 int ppl_Pointset_Powerset_C_Polyhedron_ascii_load (ppl_Pointset_Powerset_C_Polyhedron_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following files:

- C_interface.dox
- ppl_c.h

7.82 ppl_Pointset_Powerset_Double_Box_const_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Double_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Double_Box_const_iterator (ppl_Pointset_Powerset_Double_Box_const_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Double_Box_const_iterator_from_const_iterator (ppl_Pointset_Powerset_Double_Box_const_iterator_t *px, ppl_const_Pointset_Powerset_Double_Box_const_iterator_t y)
- int ppl_Pointset_Powerset_Double_Box_const_iterator_begin (ppl_const_Pointset_Powerset_Double_Box_t ps, ppl_Pointset_Powerset_Double_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Double_Box_const_iterator_end (ppl_const_Pointset_Powerset_Double_Box_t ps, ppl_Pointset_Powerset_Double_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Double_Box_const_iterator_equal_test (ppl_const_Pointset_Powerset_Double_Box_const_iterator_t x, ppl_const_Pointset_Powerset_Double_Box_const_iterator_t y)
- int ppl_Pointset_Powerset_Double_Box_const_iterator_increment (ppl_Pointset_Powerset_Double_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Double_Box_const_iterator_decrement (ppl_Pointset_Powerset_Double_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Double_Box_const_iterator_dereference (ppl_const_Pointset_Powerset_Double_Box_const_iterator_t ps, ppl_const_Double_Box_t *d)
- int ppl_delete_Pointset_Powerset_Double_Box_const_iterator (ppl_const_Pointset_Powerset_Double_Box_const_iterator_t psit)

7.82.1 Detailed Description

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Double_Box_tag.

7.82.2 Friends And Related Function Documentation

7.82.2.1 int ppl_new_Pointset_Powerset_Double_Box_const_iterator (ppl_Pointset_Powerset_Double_Box_const_iterator_t * *pit*) [related]

7.82.2.2 int ppl_new_Pointset_Powerset_Double_Box_const_iterator_from_const_iterator (ppl_Pointset_Powerset_Double_Box_const_iterator_t * *px*, ppl_const_Pointset_Powerset_Double_Box_const_iterator_t *y*) [related]

7.82.2.3 int ppl_Pointset_Powerset_Double_Box_const_iterator_begin (ppl_const_Pointset_Powerset_Double_Box_t *ps*, ppl_Pointset_Powerset_Double_Box_const_iterator_t *psit*) [related]

7.82.2.4 int ppl_Pointset_Powerset_Double_Box_const_iterator_end (ppl_const_Pointset_Powerset_Double_Box_t *ps*, ppl_Pointset_Powerset_Double_Box_const_iterator_t *psit*) [related]

7.82.2.5 int ppl_Pointset_Powerset_Double_Box_const_iterator_equal_test (ppl_const_Pointset_Powerset_Double_Box_const_iterator_t *x*, ppl_const_Pointset_Powerset_Double_Box_const_iterator_t *y*) [related]

7.82.2.6 int ppl_Pointset_Powerset_Double_Box_const_iterator_increment (ppl_Pointset_Powerset_Double_Box_const_iterator_t *psit*) [related]

7.82.2.7 int ppl_Pointset_Powerset_Double_Box_const_iterator_decrement (ppl_Pointset_Powerset_Double_Box_const_iterator_t *psit*) [related]

7.82.2.8 int ppl_Pointset_Powerset_Double_Box_const_iterator_dereference (ppl_const_Pointset_Powerset_Double_Box_const_iterator_t *ps*, ppl_const_Double_Box_t * *d*) [related]

7.82.2.9 int ppl_delete_Pointset_Powerset_Double_Box_const_iterator (ppl_const_Pointset_Powerset_Double_Box_const_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.83 ppl_Pointset_Powerset_Double_Box_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Double_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Double_Box_iterator (ppl_Pointset_Powerset_Double_Box_iterator_t *pit)

- int ppl_new_Pointset_Powerset_Double_Box_iterator_from_iterator (ppl_Pointset_Powerset_Double_Box_iterator_t *px, ppl_const_Pointset_Powerset_Double_Box_iterator_t y)
- int ppl_Pointset_Powerset_Double_Box_iterator_begin (ppl_Pointset_Powerset_Double_Box_t ps, ppl_Pointset_Powerset_Double_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Double_Box_iterator_end (ppl_Pointset_Powerset_Double_Box_t ps, ppl_Pointset_Powerset_Double_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Double_Box_iterator_equal_test (ppl_const_Pointset_Powerset_Double_Box_iterator_t x, ppl_const_Pointset_Powerset_Double_Box_iterator_t y)
- int ppl_Pointset_Powerset_Double_Box_iterator_increment (ppl_Pointset_Powerset_Double_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Double_Box_iterator_decrement (ppl_Pointset_Powerset_Double_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Double_Box_iterator_dereference (ppl_const_Pointset_Powerset_Double_Box_iterator_t ps, ppl_const_Double_Box_t *d)
- int ppl_delete_Pointset_Powerset_Double_Box_iterator (ppl_const_Pointset_Powerset_Double_Box_iterator_t psit)

7.83.1 Detailed Description

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Double_Box_tag.

7.83.2 Friends And Related Function Documentation

7.83.2.1 int ppl_new_Pointset_Powerset_Double_Box_iterator (ppl_Pointset_Powerset_Double_Box_iterator_t * *pit*) [related]

7.83.2.2 int ppl_new_Pointset_Powerset_Double_Box_iterator_from_iterator (ppl_Pointset_Powerset_Double_Box_iterator_t * *px*, ppl_const_Pointset_Powerset_Double_Box_iterator_t *y*) [related]

7.83.2.3 int ppl_Pointset_Powerset_Double_Box_iterator_begin (ppl_Pointset_Powerset_Double_Box_t *ps*, ppl_Pointset_Powerset_Double_Box_iterator_t *psit*) [related]

7.83.2.4 int ppl_Pointset_Powerset_Double_Box_iterator_end (ppl_Pointset_Powerset_Double_Box_t *ps*, ppl_Pointset_Powerset_Double_Box_iterator_t *psit*) [related]

7.83.2.5 int ppl_Pointset_Powerset_Double_Box_iterator_equal_test (ppl_const_Pointset_Powerset_Double_Box_iterator_t *x*, ppl_const_Pointset_Powerset_Double_Box_iterator_t *y*) [related]

7.83.2.6 int ppl_Pointset_Powerset_Double_Box_iterator_increment (ppl_Pointset_Powerset_Double_Box_iterator_t *psit*) [related]

7.83.2.7 int ppl_Pointset_Powerset_Double_Box_iterator_decrement (ppl_Pointset_Powerset_Double_Box_iterator_t *psit*) [related]

7.83.2.8 int ppl_Pointset_Powerset_Double_Box_iterator_dereference (ppl_const_Pointset_Powerset_Double_Box_iterator_t *ps*, ppl_const_Double_Box_t * *d*) [related]

7.83.2.9 int ppl_delete_Pointset_Powerset_Double_Box_iterator (ppl_const_Pointset_Powerset_Double_Box_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.84 ppl_Pointset_Powerset_Double_Box_tag Interface Reference

Types and functions for ppl_Pointset_Powerset_Double_Box_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Pointset_Powerset_Double_Box (ppl_const_Pointset_Powerset_Double_Box_t ph)
- int ppl_new_Pointset_Powerset_Double_Box_from_space_dimension (ppl_Pointset_Powerset_Double_Box_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Pointset_Powerset_Double_Box_from_Pointset_Powerset_Double_Box (ppl_Pointset_Powerset_Double_Box_t *pph, ppl_const_Pointset_Powerset_Double_Box_t ph)
- int ppl_new_Pointset_Powerset_Double_Box_from_Double_Box (ppl_Pointset_Powerset_Double_Box_t *pph, ppl_const_Double_Box_t ph)

- int ppl_new_Pointset_Powerset_Double_Box_from_Pointset_Powerset_Double_Box_with_complexity (ppl_Pointset_Powerset_Double_Box_t *pph, ppl_const_Pointset_Powerset_Double_Box_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Double_Box_from_Double_Box_with_complexity (ppl_Pointset_Powerset_Double_Box_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Double_Box_from_Constraint_System (ppl_Pointset_Powerset_Double_Box_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Pointset_Powerset_Double_Box_from_Congruence_System (ppl_Pointset_Powerset_Double_Box_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Double_Box_space_dimension (ppl_const_Pointset_Powerset_Double_Box_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Double_Box_affine_dimension (ppl_const_Pointset_Powerset_Double_Box_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Double_Box_relation_with_Constraint (ppl_const_Pointset_Powerset_Double_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Double_Box_relation_with_Generator (ppl_const_Pointset_Powerset_Double_Box_t ph, ppl_const_Generator_t c)
- int ppl_Pointset_Powerset_Double_Box_relation_with_Congruence (ppl_const_Pointset_Powerset_Double_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Double_Box_is_empty (ppl_const_Pointset_Powerset_Double_Box_t ph)
- int ppl_Pointset_Powerset_Double_Box_is_universe (ppl_const_Pointset_Powerset_Double_Box_t ph)
- int ppl_Pointset_Powerset_Double_Box_is_bounded (ppl_const_Pointset_Powerset_Double_Box_t ph)
- int ppl_Pointset_Powerset_Double_Box_contains_integer_point (ppl_const_Pointset_Powerset_Double_Box_t ph)
- int ppl_Pointset_Powerset_Double_Box_is_topologically_closed (ppl_const_Pointset_Powerset_Double_Box_t ph)
- int ppl_Pointset_Powerset_Double_Box_is_discrete (ppl_const_Pointset_Powerset_Double_Box_t ph)
- int ppl_Pointset_Powerset_Double_Box_topological_closure_assign (ppl_Pointset_Powerset_Double_Box_t ph)
- int ppl_Pointset_Powerset_Double_Box_pairwise_reduce (ppl_Pointset_Powerset_Double_Box_t ph)
- int ppl_Pointset_Powerset_Double_Box_omega_reduce (ppl_Pointset_Powerset_Double_Box_t ph)
- int ppl_Pointset_Powerset_Double_Box_bounds_from_above (ppl_const_Pointset_Powerset_Double_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Double_Box_bounds_from_below (ppl_const_Pointset_Powerset_Double_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Double_Box_maximize (ppl_const_Pointset_Powerset_Double_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Double_Box_minimize (ppl_const_Pointset_Powerset_Double_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Double_Box_maximize_with_point (ppl_const_Pointset_Powerset_Double_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Double_Box_minimize_with_point (ppl_const_Pointset_Powerset_Double_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)

- int ppl_Pointset_Powerset_Double_Box_contains_Pointset_Powerset_Double_Box (ppl_const_Pointset_Powerset_Double_Box_t x, ppl_const_Pointset_Powerset_Double_Box_t y)
- int ppl_Pointset_Powerset_Double_Box_strictly_contains_Pointset_Powerset_Double_Box (ppl_const_Pointset_Powerset_Double_Box_t x, ppl_const_Pointset_Powerset_Double_Box_t y)
- int ppl_Pointset_Powerset_Double_Box_is_disjoint_from_Pointset_Powerset_Double_Box (ppl_const_Pointset_Powerset_Double_Box_t x, ppl_const_Pointset_Powerset_Double_Box_t y)
- int ppl_Pointset_Powerset_Double_Box_geometrically_covers_Pointset_Powerset_Double_Box (ppl_const_Pointset_Powerset_Double_Box_t x, ppl_const_Pointset_Powerset_Double_Box_t y)
- int ppl_Pointset_Powerset_Double_Box_geometrically_equals_Pointset_Powerset_Double_Box (ppl_const_Pointset_Powerset_Double_Box_t x, ppl_const_Pointset_Powerset_Double_Box_t y)
- int ppl_Pointset_Powerset_Double_Box_equals_Pointset_Powerset_Double_Box (ppl_const_Pointset_Powerset_Double_Box_t x, ppl_const_Pointset_Powerset_Double_Box_t y)
- int ppl_Pointset_Powerset_Double_Box_OK (ppl_const_Pointset_Powerset_Double_Box_t ph)
- int ppl_Pointset_Powerset_Double_Box_add_constraint (ppl_Pointset_Powerset_Double_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Double_Box_add_congruence (ppl_Pointset_Powerset_Double_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Double_Box_add_constraints (ppl_Pointset_Powerset_Double_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Double_Box_add_congruences (ppl_Pointset_Powerset_Double_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Double_Box_refine_with_constraint (ppl_Pointset_Powerset_Double_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Double_Box_refine_with_congruence (ppl_Pointset_Powerset_Double_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Double_Box_refine_with_constraints (ppl_Pointset_Powerset_Double_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Double_Box_refine_with_congruences (ppl_Pointset_Powerset_Double_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Double_Box_intersection_assign (ppl_Pointset_Powerset_Double_Box_t x, ppl_const_Pointset_Powerset_Double_Box_t y)
- int ppl_Pointset_Powerset_Double_Box_upper_bound_assign (ppl_Pointset_Powerset_Double_Box_t x, ppl_const_Pointset_Powerset_Double_Box_t y)
- int ppl_Pointset_Powerset_Double_Box_difference_assign (ppl_Pointset_Powerset_Double_Box_t x, ppl_const_Pointset_Powerset_Double_Box_t y)
- int ppl_Pointset_Powerset_Double_Box_concatenate_assign (ppl_Pointset_Powerset_Double_Box_t x, ppl_const_Pointset_Powerset_Double_Box_t y)
- int ppl_Pointset_Powerset_Double_Box_time_elapse_assign (ppl_Pointset_Powerset_Double_Box_t x, ppl_const_Pointset_Powerset_Double_Box_t y)
- int ppl_Pointset_Powerset_Double_Box_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Double_Box_t x, ppl_const_Pointset_Powerset_Double_Box_t y)
- int ppl_Pointset_Powerset_Double_Box_simplify_using_context_assign (ppl_Pointset_Powerset_Double_Box_t x, ppl_const_Pointset_Powerset_Double_Box_t y)
- int ppl_Pointset_Powerset_Double_Box_constrains (ppl_Pointset_Powerset_Double_Box_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Double_Box_unconstrain_space_dimension (ppl_Pointset_Powerset_Double_Box_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Double_Box_unconstrain_space_dimensions (ppl_Pointset_Powerset_Double_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Double_Box_affine_image (ppl_Pointset_Powerset_Double_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)

- int ppl_Pointset_Powerset_Double_Box_affine_preimage (ppl_Pointset_Powerset_Double_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Double_Box_bounded_affine_image (ppl_Pointset_Powerset_Double_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Double_Box_bounded_affine_preimage (ppl_Pointset_Powerset_Double_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Double_Box_generalized_affine_image (ppl_Pointset_Powerset_Double_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Double_Box_generalized_affine_preimage (ppl_Pointset_Powerset_Double_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Double_Box_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Double_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Double_Box_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Double_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Double_Box_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Double_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Double_Box_add_space_dimensions_and_project (ppl_Pointset_Powerset_Double_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Double_Box_remove_space_dimensions (ppl_Pointset_Powerset_Double_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Double_Box_remove_higher_space_dimensions (ppl_Pointset_Powerset_Double_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Double_Box_expand_space_dimension (ppl_Pointset_Powerset_Double_Box_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Pointset_Powerset_Double_Box_fold_space_dimensions (ppl_Pointset_Powerset_Double_Box_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Double_Box_map_space_dimensions (ppl_Pointset_Powerset_Double_Box_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Pointset_Powerset_Double_Box_drop_some_non_integer_points (ppl_Pointset_Powerset_Double_Box_t ph, int complexity)
- int ppl_Pointset_Powerset_Double_Box_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Double_Box_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Pointset_Powerset_Double_Box_external_memory_in_bytes (ppl_const_Pointset_Powerset_Double_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Double_Box_total_memory_in_bytes (ppl_const_Pointset_Powerset_Double_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Double_Box_size (ppl_const_Pointset_Powerset_Double_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Double_Box_add_disjunct (ppl_Pointset_Powerset_Double_Box_t ps, ppl_const_Double_Box_t d)
- int ppl_Pointset_Powerset_Double_Box_drop_disjunct (ppl_Pointset_Powerset_Double_Box_t ps, ppl_const_Pointset_Powerset_Double_Box_iterator_t cit, ppl_Pointset_Powerset_Double_Box_iterator_t it)
- int ppl_Pointset_Powerset_Double_Box_drop_disjuncts (ppl_Pointset_Powerset_Double_Box_t ps, ppl_const_Pointset_Powerset_Double_Box_iterator_t first, ppl_const_Pointset_Powerset_Double_Box_iterator_t last)

- int ppl_io_print_Pointset_Powerset_Double_Box (ppl_const_Pointset_Powerset_Double_Box_t x)
- int ppl_io_fprint_Pointset_Powerset_Double_Box (FILE *stream, ppl_const_Pointset_Powerset_Double_Box_t x)
- int ppl_io_asprint_Pointset_Powerset_Double_Box (char **strp, ppl_const_Pointset_Powerset_Double_Box_t x)
- int ppl_Pointset_Powerset_Double_Box_ascii_dump (ppl_const_Pointset_Powerset_Double_Box_t x, FILE *stream)
- int ppl_Pointset_Powerset_Double_Box_ascii_load (ppl_Pointset_Powerset_Double_Box_t x, FILE *stream)

7.84.1 Detailed Description

Types and functions for ppl_Pointset_Powerset_Double_Box_tag.

7.84.2 Friends And Related Function Documentation

7.84.2.1 int ppl_delete_Pointset_Powerset_Double_Box (ppl_const_Pointset_Powerset_Double_Box_t *ph*) [related]

7.84.2.2 int ppl_new_Pointset_Powerset_Double_Box_from_space_dimension (ppl_Pointset_Powerset_Double_Box_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.84.2.3 int ppl_new_Pointset_Powerset_Double_Box_from_Pointset_Powerset_Double_Box (ppl_Pointset_Powerset_Double_Box_t * *pph*, ppl_const_Pointset_Powerset_Double_Box_t *ph*) [related]

7.84.2.4 int ppl_new_Pointset_Powerset_Double_Box_from_Double_Box (ppl_Pointset_Powerset_Double_Box_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.84.2.5 int ppl_new_Pointset_Powerset_Double_Box_from_Pointset_Powerset_Double_Box_with_complexity (ppl_Pointset_Powerset_Double_Box_t * *pph*, ppl_const_Pointset_Powerset_Double_Box_t *ph*, int *complexity*) [related]

7.84.2.6 int ppl_new_Pointset_Powerset_Double_Box_from_Double_Box_with_complexity (ppl_Pointset_Powerset_Double_Box_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.84.2.7 int ppl_new_Pointset_Powerset_Double_Box_from_Constraint_System (ppl_Pointset_Powerset_Double_Box_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.84.2.8 int ppl_new_Pointset_Powerset_Double_Box_from_Congruence_System (ppl_Pointset_Powerset_Double_Box_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.84.2.9 int ppl_Pointset_Powerset_Double_Box_space_dimension (ppl_const_Pointset_Powerset_Double_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.84.2.10 int ppl_Pointset_Powerset_Double_Box_affine_dimension (ppl_const_Pointset_Powerset_Double_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.84.2.11 int ppl_Pointset_Powerset_Double_Box_relation_with_Constraint (ppl_const_Pointset_Powerset_Double_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.84.2.12 int ppl_Pointset_Powerset_Double_Box_relation_with_Generator (ppl_const_Pointset_Powerset_Double_Box_t *ph*, ppl_const_Generator_t *c*) [related]

7.84.2.13 int ppl_Pointset_Powerset_Double_Box_relation_with_Congruence (ppl_const_Pointset_Powerset_Double_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.84.2.14 int ppl_Pointset_Powerset_Double_Box_is_empty (ppl_const_Pointset_Powerset_-Double_Box_t *ph*) [related]

7.84.2.15 int ppl_Pointset_Powerset_Double_Box_is_universe (ppl_const_Pointset_Powerset_-Double_Box_t *ph*) [related]

7.84.2.16 int ppl_Pointset_Powerset_Double_Box_is_bounded (ppl_const_Pointset_Powerset_-Double_Box_t *ph*) [related]

7.84.2.17 int ppl_Pointset_Powerset_Double_Box_contains_integer_point (ppl_const_Pointset_Powerset_Double_Box_t *ph*) [related]

7.84.2.18 int ppl_Pointset_Powerset_Double_Box_is_topologically_closed (ppl_const_Pointset_Powerset_Double_Box_t *ph*) [related]

7.84.2.19 int ppl_Pointset_Powerset_Double_Box_is_discrete (ppl_const_Pointset_Powerset_-Double_Box_t *ph*) [related]

7.84.2.20 int ppl_Pointset_Powerset_Double_Box_topological_closure_assign (ppl_Pointset_Powerset_Double_Box_t *ph*) [related]

7.84.2.21 int ppl_Pointset_Powerset_Double_Box_pairwise_reduce (ppl_Pointset_Powerset_-Double_Box_t *ph*) [related]

7.84.2.22 int ppl_Pointset_Powerset_Double_Box_omega_reduce (ppl_Pointset_Powerset_-Double_Box_t *ph*) [related]

7.84.2.23 int ppl_Pointset_Powerset_Double_Box_bounds_from_above (ppl_const_Pointset_Powerset_Double_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.84.2.24 int ppl_Pointset_Powerset_Double_Box_bounds_from_below (ppl_const_Pointset_Powerset_Double_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.84.2.25 int ppl_Pointset_Powerset_Double_Box_maximize (ppl_const_Pointset_Powerset_Double_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.84.2.26 int ppl_Pointset_Powerset_Double_Box_minimize (ppl_const_Pointset_Powerset_Double_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.84.2.27 int ppl_Pointset_Powerset_Double_Box_maximize_with_point (ppl_const_Pointset_Powerset_Double_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.84.2.28 int ppl_Pointset_Powerset_Double_Box_minimize_with_point (ppl_const_Pointset_Powerset_Double_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.84.2.29 int ppl_Pointset_Powerset_Double_Box_contains_Pointset_Powerset_Double_Box (ppl_const_Pointset_Powerset_Double_Box_t *x*, ppl_const_Pointset_Powerset_Double_Box_t *y*) [related]

7.84.2.30 int ppl_Pointset_Powerset_Double_Box_strictly_contains_Pointset_Powerset_Double_Box (ppl_const_Pointset_Powerset_Double_Box_t *x*, ppl_const_Pointset_Powerset_Double_Box_t *y*) [related]

7.84.2.31 int ppl_Pointset_Powerset_Double_Box_is_disjoint_from_Pointset_-Powerset_Double_Box (ppl_const_Pointset_Powerset_Double_Box_t *x*, ppl_const_Pointset_Powerset_Double_Box_t *y*) [related]

7.84.2.32 int ppl_Pointset_Powerset_Double_Box_geometrically_covers_Pointset_-Powerset_Double_Box (ppl_const_Pointset_Powerset_Double_Box_t *x*, ppl_const_Pointset_Powerset_Double_Box_t *y*) [related]

7.84.2.33 int ppl_Pointset_Powerset_Double_Box_geometrically_equals_Pointset_-Powerset_Double_Box (ppl_const_Pointset_Powerset_Double_Box_t *x*, ppl_const_Pointset_Powerset_Double_Box_t *y*) [related]

7.84.2.34 int ppl_Pointset_Powerset_Double_Box_equals_Pointset_Powerset_Double_Box (ppl_-const_Pointset_Powerset_Double_Box_t *x*, ppl_const_Pointset_Powerset_Double_Box_t *y*) [related]

7.84.2.35 int ppl_Pointset_Powerset_Double_Box_OK (ppl_const_Pointset_Powerset_Double_-Box_t *ph*) [related]

7.84.2.36 int ppl_Pointset_Powerset_Double_Box_add_constraint (ppl_-Pointset_Powerset_Double_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.84.2.37 int ppl_Pointset_Powerset_Double_Box_add_congruence (ppl_-Pointset_Powerset_Double_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.84.2.38 int ppl_Pointset_Powerset_Double_Box_add_constraints (ppl_Pointset_-Powerset_Double_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.84.2.39 int ppl_Pointset_Powerset_Double_Box_add_congruences (ppl_Pointset_-Powerset_Double_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.84.2.40 int ppl_Pointset_Powerset_Double_Box_refine_with_constraint (ppl_Pointset_Powerset_Double_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.84.2.41 int ppl_Pointset_Powerset_Double_Box_refine_with_congruence (ppl_Pointset_Powerset_Double_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.84.2.42 int ppl_Pointset_Powerset_Double_Box_refine_with_constraints (ppl_Pointset_Powerset_Double_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.84.2.43 int ppl_Pointset_Powerset_Double_Box_refine_with_congruences (ppl_Pointset_Powerset_Double_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.84.2.44 int ppl_Pointset_Powerset_Double_Box_intersection_assign (ppl_Pointset_-Powerset_Double_Box_t *x*, ppl_const_Pointset_Powerset_Double_Box_t *y*) [related]

7.84.2.45 int ppl_Pointset_Powerset_Double_Box_upper_bound_assign (ppl_Pointset_-Powerset_Double_Box_t *x*, ppl_const_Pointset_Powerset_Double_Box_t *y*) [related]

7.84.2.46 int ppl_Pointset_Powerset_Double_Box_difference_assign (ppl_Pointset_-Powerset_Double_Box_t *x*, ppl_const_Pointset_Powerset_Double_Box_t *y*) [related]

7.84.2.47 int ppl_Pointset_Powerset_Double_Box_concatenate_assign (ppl_Pointset_Powerset_Double_Box_t *x*, ppl_const_Pointset_Powerset_Double_Box_t *y*) [related]

7.84.2.48 int ppl_Pointset_Powerset_Double_Box_time_elapse_assign (ppl_Pointset_Powerset_Double_Box_t *x*, ppl_const_Pointset_Powerset_Double_Box_t *y*) [related]

7.84.2.49 int ppl_Pointset_Powerset_Double_Box_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Double_Box_t *x*, ppl_const_Pointset_Powerset_Double_Box_t *y*) [related]

7.84.2.50 int ppl_Pointset_Powerset_Double_Box_simplify_using_context_assign (ppl_Pointset_Powerset_Double_Box_t *x*, ppl_const_Pointset_Powerset_Double_Box_t *y*) [related]

7.84.2.51 int ppl_Pointset_Powerset_Double_Box_constrains (ppl_Pointset_Powerset_Double_Box_t *ph*, ppl_dimension_type *var*) [related]

7.84.2.52 int ppl_Pointset_Powerset_Double_Box_unconstrain_space_dimension (ppl_Pointset_Powerset_Double_Box_t *ph*, ppl_dimension_type *var*) [related]

7.84.2.53 int ppl_Pointset_Powerset_Double_Box_unconstrain_space_dimensions (ppl_Pointset_Powerset_Double_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.84.2.54 int ppl_Pointset_Powerset_Double_Box_affine_image (ppl_Pointset_Powerset_Double_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.84.2.55 int ppl_Pointset_Powerset_Double_Box_affine_preimage (ppl_Pointset_Powerset_-Double_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.84.2.56 int ppl_Pointset_Powerset_Double_Box_bounded_affine_image (ppl_Pointset_-Powerset_Double_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.84.2.57 int ppl_Pointset_Powerset_Double_Box_bounded_affine_preimage (ppl_Pointset_Powerset_Double_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.84.2.58 int ppl_Pointset_Powerset_Double_Box_generalized_affine_image (ppl_Pointset_Powerset_Double_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.84.2.59 int ppl_Pointset_Powerset_Double_Box_generalized_affine_preimage (ppl_Pointset_Powerset_Double_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.84.2.60 int ppl_Pointset_Powerset_Double_Box_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Double_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.84.2.61 int ppl_Pointset_Powerset_Double_Box_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Double_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.84.2.62 int ppl_Pointset_Powerset_Double_Box_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Double_Box_t *ph*, ppl_dimension_type *d*) [related]

7.84.2.63 int ppl_Pointset_Powerset_Double_Box_add_space_dimensions_and_project (ppl_Pointset_Powerset_Double_Box_t *ph*, ppl_dimension_type *d*) [related]

7.84.2.64 int ppl_Pointset_Powerset_Double_Box_remove_space_dimensions (ppl_Pointset_Powerset_Double_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.84.2.65 int ppl_Pointset_Powerset_Double_Box_remove_higher_space_dimensions (ppl_Pointset_Powerset_Double_Box_t *ph*, ppl_dimension_type *d*) [related]

7.84.2.66 int ppl_Pointset_Powerset_Double_Box_expand_space_dimension (ppl_Pointset_Powerset_Double_Box_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.84.2.67 int ppl_Pointset_Powerset_Double_Box_fold_space_dimensions (ppl_Pointset_Powerset_Double_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.84.2.68 int ppl_Pointset_Powerset_Double_Box_map_space_dimensions (ppl_Pointset_Powerset_Double_Box_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.84.2.69 int ppl_Pointset_Powerset_Double_Box_drop_some_non_integer_points (ppl_Pointset_Powerset_Double_Box_t *ph*, int *complexity*) [related]

7.84.2.70 int ppl_Pointset_Powerset_Double_Box_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Double_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.84.2.71 int ppl_Pointset_Powerset_Double_Box_external_memory_in_bytes (ppl_const_Pointset_Powerset_Double_Box_t *ps*, size_t * *sz*) [related]

7.84.2.72 int ppl_Pointset_Powerset_Double_Box_total_memory_in_bytes (ppl_const_Pointset_Powerset_Double_Box_t *ps*, size_t * *sz*) [related]

7.84.2.73 int ppl_Pointset_Powerset_Double_Box_size (ppl_const_Pointset_Powerset_Double_Box_t *ps*, size_t * *sz*) [related]

7.84.2.74 int ppl_Pointset_Powerset_Double_Box_add_disjunct (ppl_Pointset_Powerset_Double_Box_t *ps*, ppl_const_Double_Box_t *d*) [related]

7.84.2.75 int ppl_Pointset_Powerset_Double_Box_drop_disjunct (ppl_Pointset_Powerset_Double_Box_t *ps*, ppl_const_Pointset_Powerset_Double_Box_iterator_t *cit*, ppl_Pointset_Powerset_Double_Box_iterator_t *it*) [related]

7.84.2.76 int ppl_Pointset_Powerset_Double_Box_drop_disjuncts (ppl_Pointset_Powerset_Double_Box_t *ps*, ppl_const_Pointset_Powerset_Double_Box_iterator_t *first*, ppl_const_Pointset_Powerset_Double_Box_iterator_t *last*) [related]

7.84.2.77 int ppl_io_print_Pointset_Powerset_Double_Box (ppl_const_Pointset_Powerset_Double_Box_t *x*) [related]

7.84.2.78 int ppl_io_fprint_Pointset_Powerset_Double_Box (FILE * *stream*, ppl_const_Pointset_Powerset_Double_Box_t *x*) [related]

7.84.2.79 int ppl_io_asprint_Pointset_Powerset_Double_Box (char ** *strp*, ppl_const_Pointset_Powerset_Double_Box_t *x*) [related]

7.84.2.80 int ppl_Pointset_Powerset_Double_Box_ascii_dump (ppl_const_Pointset_Powerset_Double_Box_t *x*, FILE * *stream*) [related]

7.84.2.81 int ppl_Pointset_Powerset_Double_Box_ascii_load (ppl_Pointset_Powerset_Double_Box_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.85 ppl_Pointset_Powerset_Float_Box_const_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Float_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Float_Box_const_iterator (ppl_Pointset_Powerset_Float_Box_const_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Float_Box_const_iterator_from_const_iterator (ppl_Pointset_Powerset_Float_Box_const_iterator_t *px, ppl_const_Pointset_Powerset_Float_Box_const_iterator_t y)
- int ppl_Pointset_Powerset_Float_Box_const_iterator_begin (ppl_const_Pointset_Powerset_Float_Box_t ps, ppl_Pointset_Powerset_Float_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Float_Box_const_iterator_end (ppl_const_Pointset_Powerset_Float_Box_t ps, ppl_Pointset_Powerset_Float_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Float_Box_const_iterator_equal_test (ppl_const_Pointset_Powerset_Float_Box_const_iterator_t x, ppl_const_Pointset_Powerset_Float_Box_const_iterator_t y)
- int ppl_Pointset_Powerset_Float_Box_const_iterator_increment (ppl_Pointset_Powerset_Float_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Float_Box_const_iterator_decrement (ppl_Pointset_Powerset_Float_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Float_Box_const_iterator_dereference (ppl_const_Pointset_Powerset_Float_Box_const_iterator_t ps, ppl_const_Float_Box_t *d)
- int ppl_delete_Pointset_Powerset_Float_Box_const_iterator (ppl_const_Pointset_Powerset_Float_Box_const_iterator_t psit)

7.85.1 Detailed Description

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Float_Box_tag.

7.85.2 Friends And Related Function Documentation

7.85.2.1 int ppl_new_Pointset_Powerset_Float_Box_const_iterator (ppl_Pointset_Powerset_Float_Box_const_iterator_t * *pit*) [related]

7.85.2.2 int ppl_new_Pointset_Powerset_Float_Box_const_iterator_from_const_iterator (ppl_Pointset_Powerset_Float_Box_const_iterator_t * *px*, ppl_const_Pointset_Powerset_Float_Box_const_iterator_t *y*) [related]

7.85.2.3 int ppl_Pointset_Powerset_Float_Box_const_iterator_begin (ppl_const_Pointset_Powerset_Float_Box_t *ps*, ppl_Pointset_Powerset_Float_Box_const_iterator_t *psit*) [related]

7.85.2.4 int ppl_Pointset_Powerset_Float_Box_const_iterator_end (ppl_const_Pointset_Powerset_Float_Box_t *ps*, ppl_Pointset_Powerset_Float_Box_const_iterator_t *psit*) [related]

7.85.2.5 int ppl_Pointset_Powerset_Float_Box_const_iterator_equal_test (ppl_const_Pointset_Powerset_Float_Box_const_iterator_t *x*, ppl_const_Pointset_Powerset_Float_Box_const_iterator_t *y*) [related]

7.85.2.6 int ppl_Pointset_Powerset_Float_Box_const_iterator_increment (ppl_Pointset_Powerset_Float_Box_const_iterator_t *psit*) [related]

7.85.2.7 int ppl_Pointset_Powerset_Float_Box_const_iterator_decrement (ppl_Pointset_Powerset_Float_Box_const_iterator_t *psit*) [related]

7.85.2.8 int ppl_Pointset_Powerset_Float_Box_const_iterator_dereference (ppl_const_Pointset_Powerset_Float_Box_const_iterator_t *ps*, ppl_const_Float_Box_t * *d*) [related]

7.85.2.9 int ppl_delete_Pointset_Powerset_Float_Box_const_iterator (ppl_const_Pointset_Powerset_Float_Box_const_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.86 ppl_Pointset_Powerset_Float_Box_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Float_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Float_Box_iterator (ppl_Pointset_Powerset_Float_Box_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Float_Box_iterator_from_iterator (ppl_Pointset_Powerset_Float_Box_iterator_t *px, ppl_const_Pointset_Powerset_Float_Box_iterator_t y)
- int ppl_Pointset_Powerset_Float_Box_iterator_begin (ppl_Pointset_Powerset_Float_Box_t ps, ppl_Pointset_Powerset_Float_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Float_Box_iterator_end (ppl_Pointset_Powerset_Float_Box_t ps, ppl_Pointset_Powerset_Float_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Float_Box_iterator_equal_test (ppl_const_Pointset_Powerset_Float_Box_iterator_t x, ppl_const_Pointset_Powerset_Float_Box_iterator_t y)
- int ppl_Pointset_Powerset_Float_Box_iterator_increment (ppl_Pointset_Powerset_Float_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Float_Box_iterator_decrement (ppl_Pointset_Powerset_Float_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Float_Box_iterator_dereference (ppl_const_Pointset_Powerset_Float_Box_iterator_t ps, ppl_const_Float_Box_t *d)
- int ppl_delete_Pointset_Powerset_Float_Box_iterator (ppl_const_Pointset_Powerset_Float_Box_iterator_t psit)

7.86.1 Detailed Description

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Float_Box_tag.

7.86.2 Friends And Related Function Documentation

7.86.2.1 int ppl_new_Pointset_Powerset_Float_Box_iterator (ppl_Pointset_Powerset_Float_Box_iterator_t * *pit*) [related]

7.86.2.2 int ppl_new_Pointset_Powerset_Float_Box_iterator_from_iterator (ppl_Pointset_Powerset_Float_Box_iterator_t * *px*, ppl_const_Pointset_Powerset_Float_Box_iterator_t *y*) [related]

7.86.2.3 int ppl_Pointset_Powerset_Float_Box_iterator_begin (ppl_Pointset_Powerset_Float_Box_t *ps*, ppl_Pointset_Powerset_Float_Box_iterator_t *psit*) [related]

7.86.2.4 int ppl_Pointset_Powerset_Float_Box_iterator_end (ppl_Pointset_Powerset_Float_Box_t *ps*, ppl_Pointset_Powerset_Float_Box_iterator_t *psit*) [related]

7.86.2.5 int ppl_Pointset_Powerset_Float_Box_iterator_equal_test (ppl_const_Pointset_Powerset_Float_Box_iterator_t *x*, ppl_const_Pointset_Powerset_Float_Box_iterator_t *y*) [related]

7.86.2.6 int ppl_Pointset_Powerset_Float_Box_iterator_increment (ppl_Pointset_Powerset_Float_Box_iterator_t *psit*) [related]

7.86.2.7 int ppl_Pointset_Powerset_Float_Box_iterator_decrement (ppl_Pointset_Powerset_Float_Box_iterator_t *psit*) [related]

7.86.2.8 int ppl_Pointset_Powerset_Float_Box_iterator_dereference (ppl_const_Pointset_Powerset_Float_Box_iterator_t *ps*, ppl_const_Float_Box_t * *d*) [related]

7.86.2.9 int ppl_delete_Pointset_Powerset_Float_Box_iterator (ppl_const_Pointset_Powerset_Float_Box_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.87 ppl_Pointset_Powerset_Float_Box_tag Interface Reference

Types and functions for ppl_Pointset_Powerset_Float_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Pointset_Powerset_Float_Box (ppl_const_Pointset_Powerset_Float_Box_t ph)
- int ppl_new_Pointset_Powerset_Float_Box_from_space_dimension (ppl_Pointset_Powerset_Float_Box_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Pointset_Powerset_Float_Box_from_Pointset_Powerset_Float_Box (ppl_Pointset_Powerset_Float_Box_t *pph, ppl_const_Pointset_Powerset_Float_Box_t ph)
- int ppl_new_Pointset_Powerset_Float_Box_from_Float_Box (ppl_Pointset_Powerset_Float_Box_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_Pointset_Powerset_Float_Box_from_Pointset_Powerset_Float_Box_with_complexity (ppl_Pointset_Powerset_Float_Box_t *pph, ppl_const_Pointset_Powerset_Float_Box_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Float_Box_from_Float_Box_with_complexity (ppl_Pointset_Powerset_Float_Box_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Float_Box_from_Constraint_System (ppl_Pointset_Powerset_Float_Box_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Pointset_Powerset_Float_Box_from_Congruence_System (ppl_Pointset_Powerset_Float_Box_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Float_Box_space_dimension (ppl_const_Pointset_Powerset_Float_Box_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Float_Box_affine_dimension (ppl_const_Pointset_Powerset_Float_Box_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Float_Box_relation_with_Constraint (ppl_const_Pointset_Powerset_Float_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Float_Box_relation_with_Generator (ppl_const_Pointset_Powerset_Float_Box_t ph, ppl_const_Generator_t c)
- int ppl_Pointset_Powerset_Float_Box_relation_with_Congruence (ppl_const_Pointset_Powerset_Float_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Float_Box_is_empty (ppl_const_Pointset_Powerset_Float_Box_t ph)
- int ppl_Pointset_Powerset_Float_Box_is_universe (ppl_const_Pointset_Powerset_Float_Box_t ph)
- int ppl_Pointset_Powerset_Float_Box_is_bounded (ppl_const_Pointset_Powerset_Float_Box_t ph)
- int ppl_Pointset_Powerset_Float_Box_contains_integer_point (ppl_const_Pointset_Powerset_Float_Box_t ph)
- int ppl_Pointset_Powerset_Float_Box_is_topologically_closed (ppl_const_Pointset_Powerset_Float_Box_t ph)
- int ppl_Pointset_Powerset_Float_Box_is_discrete (ppl_const_Pointset_Powerset_Float_Box_t ph)
- int ppl_Pointset_Powerset_Float_Box_topological_closure_assign (ppl_Pointset_Powerset_Float_Box_t ph)
- int ppl_Pointset_Powerset_Float_Box_pairwise_reduce (ppl_Pointset_Powerset_Float_Box_t ph)
- int ppl_Pointset_Powerset_Float_Box_omega_reduce (ppl_Pointset_Powerset_Float_Box_t ph)
- int ppl_Pointset_Powerset_Float_Box_bounds_from_above (ppl_const_Pointset_Powerset_Float_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Float_Box_bounds_from_below (ppl_const_Pointset_Powerset_Float_Box_t ph, ppl_const_Linear_Expression_t le)

- int ppl_Pointset_Powerset_Float_Box_maximize (ppl_const_Pointset_Powerset_Float_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Float_Box_minimize (ppl_const_Pointset_Powerset_Float_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Float_Box_maximize_with_point (ppl_const_Pointset_Powerset_Float_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Float_Box_minimize_with_point (ppl_const_Pointset_Powerset_Float_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Float_Box_contains_Pointset_Powerset_Float_Box (ppl_const_Pointset_Powerset_Float_Box_t x, ppl_const_Pointset_Powerset_Float_Box_t y)
- int ppl_Pointset_Powerset_Float_Box_strictly_contains_Pointset_Powerset_Float_Box (ppl_const_Pointset_Powerset_Float_Box_t x, ppl_const_Pointset_Powerset_Float_Box_t y)
- int ppl_Pointset_Powerset_Float_Box_is_disjoint_from_Pointset_Powerset_Float_Box (ppl_const_Pointset_Powerset_Float_Box_t x, ppl_const_Pointset_Powerset_Float_Box_t y)
- int ppl_Pointset_Powerset_Float_Box_geometrically_covers_Pointset_Powerset_Float_Box (ppl_const_Pointset_Powerset_Float_Box_t x, ppl_const_Pointset_Powerset_Float_Box_t y)
- int ppl_Pointset_Powerset_Float_Box_geometrically_equals_Pointset_Powerset_Float_Box (ppl_const_Pointset_Powerset_Float_Box_t x, ppl_const_Pointset_Powerset_Float_Box_t y)
- int ppl_Pointset_Powerset_Float_Box_equals_Pointset_Powerset_Float_Box (ppl_const_Pointset_Powerset_Float_Box_t x, ppl_const_Pointset_Powerset_Float_Box_t y)
- int ppl_Pointset_Powerset_Float_Box_OK (ppl_const_Pointset_Powerset_Float_Box_t ph)
- int ppl_Pointset_Powerset_Float_Box_add_constraint (ppl_Pointset_Powerset_Float_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Float_Box_add_congruence (ppl_Pointset_Powerset_Float_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Float_Box_add_constraints (ppl_Pointset_Powerset_Float_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Float_Box_add_congruences (ppl_Pointset_Powerset_Float_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Float_Box_refine_with_constraint (ppl_Pointset_Powerset_Float_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Float_Box_refine_with_congruence (ppl_Pointset_Powerset_Float_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Float_Box_refine_with_constraints (ppl_Pointset_Powerset_Float_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Float_Box_refine_with_congruences (ppl_Pointset_Powerset_Float_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Float_Box_intersection_assign (ppl_Pointset_Powerset_Float_Box_t x, ppl_const_Pointset_Powerset_Float_Box_t y)
- int ppl_Pointset_Powerset_Float_Box_upper_bound_assign (ppl_Pointset_Powerset_Float_Box_t x, ppl_const_Pointset_Powerset_Float_Box_t y)
- int ppl_Pointset_Powerset_Float_Box_difference_assign (ppl_Pointset_Powerset_Float_Box_t x, ppl_const_Pointset_Powerset_Float_Box_t y)
- int ppl_Pointset_Powerset_Float_Box_concatenate_assign (ppl_Pointset_Powerset_Float_Box_t x, ppl_const_Pointset_Powerset_Float_Box_t y)
- int ppl_Pointset_Powerset_Float_Box_time_elapse_assign (ppl_Pointset_Powerset_Float_Box_t x, ppl_const_Pointset_Powerset_Float_Box_t y)
- int ppl_Pointset_Powerset_Float_Box_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Float_Box_t x, ppl_const_Pointset_Powerset_Float_Box_t y)

- int ppl_Pointset_Powerset_Float_Box_simplify_using_context_assign (ppl_Pointset_Powerset_Float_Box_t x, ppl_const_Pointset_Powerset_Float_Box_t y)
- int ppl_Pointset_Powerset_Float_Box_constrains (ppl_Pointset_Powerset_Float_Box_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Float_Box_unconstrain_space_dimension (ppl_Pointset_Powerset_Float_Box_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Float_Box_unconstrain_space_dimensions (ppl_Pointset_Powerset_Float_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Float_Box_affine_image (ppl_Pointset_Powerset_Float_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Float_Box_affine_preimage (ppl_Pointset_Powerset_Float_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Float_Box_bounded_affine_image (ppl_Pointset_Powerset_Float_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Float_Box_bounded_affine_preimage (ppl_Pointset_Powerset_Float_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Float_Box_generalized_affine_image (ppl_Pointset_Powerset_Float_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Float_Box_generalized_affine_preimage (ppl_Pointset_Powerset_Float_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Float_Box_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Float_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Float_Box_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Float_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Float_Box_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Float_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Float_Box_add_space_dimensions_and_project (ppl_Pointset_Powerset_Float_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Float_Box_remove_space_dimensions (ppl_Pointset_Powerset_Float_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Float_Box_remove_higher_space_dimensions (ppl_Pointset_Powerset_Float_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Float_Box_expand_space_dimension (ppl_Pointset_Powerset_Float_Box_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Pointset_Powerset_Float_Box_fold_space_dimensions (ppl_Pointset_Powerset_Float_Box_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Float_Box_map_space_dimensions (ppl_Pointset_Powerset_Float_Box_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Pointset_Powerset_Float_Box_drop_some_non_integer_points (ppl_Pointset_Powerset_Float_Box_t ph, int complexity)
- int ppl_Pointset_Powerset_Float_Box_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Float_Box_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Pointset_Powerset_Float_Box_external_memory_in_bytes (ppl_const_Pointset_Powerset_Float_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Float_Box_total_memory_in_bytes (ppl_const_Pointset_Powerset_Float_Box_t ps, size_t *sz)

- int ppl_Pointset_Powerset_Float_Box_size (ppl_const_Pointset_Powerset_Float_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Float_Box_add_disjunct (ppl_Pointset_Powerset_Float_Box_t ps, ppl_const_Float_Box_t d)
- int ppl_Pointset_Powerset_Float_Box_drop_disjunct (ppl_Pointset_Powerset_Float_Box_t ps, ppl_const_Pointset_Powerset_Float_Box_iterator_t cit, ppl_Pointset_Powerset_Float_Box_iterator_t it)
- int ppl_Pointset_Powerset_Float_Box_drop_disjuncts (ppl_Pointset_Powerset_Float_Box_t ps, ppl_const_Pointset_Powerset_Float_Box_iterator_t first, ppl_const_Pointset_Powerset_Float_Box_iterator_t last)
- int ppl_io_print_Pointset_Powerset_Float_Box (ppl_const_Pointset_Powerset_Float_Box_t x)
- int ppl_io_fprint_Pointset_Powerset_Float_Box (FILE *stream, ppl_const_Pointset_Powerset_Float_Box_t x)
- int ppl_io_asprint_Pointset_Powerset_Float_Box (char **strp, ppl_const_Pointset_Powerset_Float_Box_t x)
- int ppl_Pointset_Powerset_Float_Box_ascii_dump (ppl_const_Pointset_Powerset_Float_Box_t x, FILE *stream)
- int ppl_Pointset_Powerset_Float_Box_ascii_load (ppl_Pointset_Powerset_Float_Box_t x, FILE *stream)

7.87.1 Detailed Description

Types and functions for ppl_Pointset_Powerset_Float_Box_tag.

7.87.2 Friends And Related Function Documentation

7.87.2.1 int ppl_delete_Pointset_Powerset_Float_Box (ppl_const_Pointset_Powerset_Float_Box_t *ph*) [related]

7.87.2.2 int ppl_new_Pointset_Powerset_Float_Box_from_space_dimension (ppl_Pointset_Powerset_Float_Box_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.87.2.3 int ppl_new_Pointset_Powerset_Float_Box_from_Pointset_Powerset_Float_Box (ppl_Pointset_Powerset_Float_Box_t * *pph*, ppl_const_Pointset_Powerset_Float_Box_t *ph*) [related]

7.87.2.4 int ppl_new_Pointset_Powerset_Float_Box_from_Float_Box (ppl_Pointset_Powerset_Float_Box_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.87.2.5 int ppl_new_Pointset_Powerset_Float_Box_from_Pointset_Powerset_-Float_Box_with_complexity (ppl_Pointset_Powerset_Float_Box_t * *pph*, ppl_const_Pointset_Powerset_Float_Box_t *ph*, int *complexity*) [related]

7.87.2.6 int ppl_new_Pointset_Powerset_Float_Box_from_Float_Box_with_complexity (ppl_Pointset_Powerset_Float_Box_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.87.2.7 int ppl_new_Pointset_Powerset_Float_Box_from_Constraint_System (ppl_Pointset_Powerset_Float_Box_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.87.2.8 int ppl_new_Pointset_Powerset_Float_Box_from_Congruence_System (ppl_Pointset_Powerset_Float_Box_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.87.2.9 int ppl_Pointset_Powerset_Float_Box_space_dimension (ppl_const_-Pointset_Powerset_Float_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.87.2.10 int ppl_Pointset_Powerset_Float_Box_affine_dimension (ppl_const_-Pointset_Powerset_Float_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.87.2.11 int ppl_Pointset_Powerset_Float_Box_relation_with_Constraint (ppl_const_Pointset_Powerset_Float_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.87.2.12 int ppl_Pointset_Powerset_Float_Box_relation_with_Generator (ppl_const_Pointset_Powerset_Float_Box_t *ph*, ppl_const_Generator_t *c*) [related]

7.87.2.13 int ppl_Pointset_Powerset_Float_Box_relation_with_Congruence (ppl_const_Pointset_Powerset_Float_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.87.2.14 int ppl_Pointset_Powerset_Float_Box_is_empty (ppl_const_Pointset_Powerset_Float_Box_t *ph*) [related]

7.87.2.15 int ppl_Pointset_Powerset_Float_Box_is_universe (ppl_const_Pointset_Powerset_Float_Box_t *ph*) [related]

7.87.2.16 int ppl_Pointset_Powerset_Float_Box_is_bounded (ppl_const_Pointset_Powerset_Float_Box_t *ph*) [related]

7.87.2.17 int ppl_Pointset_Powerset_Float_Box_contains_integer_point (ppl_const_Pointset_Powerset_Float_Box_t *ph*) [related]

7.87.2.18 int ppl_Pointset_Powerset_Float_Box_is_topologically_closed (ppl_const_Pointset_Powerset_Float_Box_t *ph*) [related]

7.87.2.19 int ppl_Pointset_Powerset_Float_Box_is_discrete (ppl_const_Pointset_Powerset_Float_Box_t *ph*) [related]

7.87.2.20 int ppl_Pointset_Powerset_Float_Box_topological_closure_assign (ppl_Pointset_Powerset_Float_Box_t *ph*) [related]

7.87.2.21 int ppl_Pointset_Powerset_Float_Box_pairwise_reduce (ppl_Pointset_Powerset_Float_Box_t *ph*) [related]

7.87.2.22 int ppl_Pointset_Powerset_Float_Box_omega_reduce (ppl_Pointset_Powerset_Float_Box_t *ph*) [related]

7.87.2.23 int ppl_Pointset_Powerset_Float_Box_bounds_from_above (ppl_const_Pointset_Powerset_Float_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.87.2.24 int ppl_Pointset_Powerset_Float_Box_bounds_from_below (ppl_const_Pointset_Powerset_Float_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.87.2.25 int ppl_Pointset_Powerset_Float_Box_maximize (ppl_const_Pointset_Powerset_Float_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.87.2.26 int ppl_Pointset_Powerset_Float_Box_minimize (ppl_const_Pointset_Powerset_Float_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.87.2.27 int ppl_Pointset_Powerset_Float_Box_maximize_with_point (ppl_const_Pointset_Powerset_Float_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.87.2.28 int ppl_Pointset_Powerset_Float_Box_minimize_with_point (ppl_const_Pointset_Powerset_Float_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.87.2.29 int ppl_Pointset_Powerset_Float_Box_contains_Pointset_Powerset_Float_Box (ppl_const_Pointset_Powerset_Float_Box_t *x*, ppl_const_Pointset_Powerset_Float_Box_t *y*) [related]

7.87.2.30 int ppl_Pointset_Powerset_Float_Box_strictly_contains_Pointset_Powerset_Float_Box (ppl_const_Pointset_Powerset_Float_Box_t *x*, ppl_const_Pointset_Powerset_Float_Box_t *y*) [related]

7.87.2.31 int ppl_Pointset_Powerset_Float_Box_is_disjoint_from_Pointset_Powerset_Float_Box (ppl_const_Pointset_Powerset_Float_Box_t *x*, ppl_const_Pointset_Powerset_Float_Box_t *y*) [related]

7.87.2.32 int ppl_Pointset_Powerset_Float_Box_geometrically_covers_Pointset_Powerset_Float_Box (ppl_const_Pointset_Powerset_Float_Box_t *x*, ppl_const_Pointset_Powerset_Float_Box_t *y*) [related]

7.87.2.33 int ppl_Pointset_Powerset_Float_Box_geometrically_equals_Pointset_Powerset_Float_Box (ppl_const_Pointset_Powerset_Float_Box_t *x*, ppl_const_Pointset_Powerset_Float_Box_t *y*) [related]

7.87.2.34 int ppl_Pointset_Powerset_Float_Box_equals_Pointset_Powerset_Float_Box (ppl_const_Pointset_Powerset_Float_Box_t *x*, ppl_const_Pointset_Powerset_Float_Box_t *y*) [related]

7.87.2.35 int ppl_Pointset_Powerset_Float_Box_OK (ppl_const_Pointset_Powerset_Float_Box_t *ph*) [related]

7.87.2.36 int ppl_Pointset_Powerset_Float_Box_add_constraint (ppl_Pointset_Powerset_Float_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.87.2.37 int ppl_Pointset_Powerset_Float_Box_add_congruence (ppl_Pointset_Powerset_Float_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.87.2.38 int ppl_Pointset_Powerset_Float_Box_add_constraints (ppl_Pointset_-Powerset_Float_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.87.2.39 int ppl_Pointset_Powerset_Float_Box_add_congruences (ppl_Pointset_-Powerset_Float_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.87.2.40 int ppl_Pointset_Powerset_Float_Box_refine_with_constraint (ppl_Pointset_Powerset_Float_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.87.2.41 int ppl_Pointset_Powerset_Float_Box_refine_with_congruence (ppl_Pointset_Powerset_Float_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.87.2.42 int ppl_Pointset_Powerset_Float_Box_refine_with_constraints (ppl_Pointset_Powerset_Float_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.87.2.43 int ppl_Pointset_Powerset_Float_Box_refine_with_congruences (ppl_Pointset_Powerset_Float_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.87.2.44 int ppl_Pointset_Powerset_Float_Box_intersection_assign (ppl_Pointset_-Powerset_Float_Box_t *x*, ppl_const_Pointset_Powerset_Float_Box_t *y*) [related]

7.87.2.45 int ppl_Pointset_Powerset_Float_Box_upper_bound_assign (ppl_Pointset_-Powerset_Float_Box_t *x*, ppl_const_Pointset_Powerset_Float_Box_t *y*) [related]

7.87.2.46 int ppl_Pointset_Powerset_Float_Box_difference_assign (ppl_Pointset_Powerset_Float_Box_t *x*, ppl_const_Pointset_Powerset_Float_Box_t *y*) [related]

7.87.2.47 int ppl_Pointset_Powerset_Float_Box_concatenate_assign (ppl_Pointset_Powerset_Float_Box_t *x*, ppl_const_Pointset_Powerset_Float_Box_t *y*) [related]

7.87.2.48 int ppl_Pointset_Powerset_Float_Box_time_elapse_assign (ppl_Pointset_Powerset_Float_Box_t *x*, ppl_const_Pointset_Powerset_Float_Box_t *y*) [related]

7.87.2.49 int ppl_Pointset_Powerset_Float_Box_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Float_Box_t *x*, ppl_const_Pointset_Powerset_Float_Box_t *y*) [related]

7.87.2.50 int ppl_Pointset_Powerset_Float_Box_simplify_using_context_assign (ppl_Pointset_Powerset_Float_Box_t *x*, ppl_const_Pointset_Powerset_Float_Box_t *y*) [related]

7.87.2.51 int ppl_Pointset_Powerset_Float_Box_constrains (ppl_Pointset_Powerset_Float_Box_t *ph*, ppl_dimension_type *var*) [related]

7.87.2.52 int ppl_Pointset_Powerset_Float_Box_unconstrain_space_dimension (ppl_Pointset_Powerset_Float_Box_t *ph*, ppl_dimension_type *var*) [related]

7.87.2.53 int ppl_Pointset_Powerset_Float_Box_unconstrain_space_dimensions (ppl_Pointset_Powerset_Float_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.87.2.54 int ppl_Pointset_Powerset_Float_Box_affine_image (ppl_Pointset_Powerset_-Float_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.87.2.55 int ppl_Pointset_Powerset_Float_Box_affine_preimage (ppl_Pointset_Powerset_-Float_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.87.2.56 int ppl_Pointset_Powerset_Float_Box_bounded_affine_image (ppl_Pointset_Powerset_-Float_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.87.2.57 int ppl_Pointset_Powerset_Float_Box_bounded_affine_preimage (ppl_Pointset_-Powerset_Float_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.87.2.58 int ppl_Pointset_Powerset_Float_Box_generalized_affine_image (ppl_Pointset_-Powerset_Float_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.87.2.59 int ppl_Pointset_Powerset_Float_Box_generalized_affine_preimage (ppl_Pointset_Powerset_Float_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.87.2.60 int ppl_Pointset_Powerset_Float_Box_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Float_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.87.2.61 int ppl_Pointset_Powerset_Float_Box_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Float_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.87.2.62 int ppl_Pointset_Powerset_Float_Box_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Float_Box_t *ph*, ppl_dimension_type *d*) [related]

7.87.2.63 int ppl_Pointset_Powerset_Float_Box_add_space_dimensions_and_project (ppl_Pointset_Powerset_Float_Box_t *ph*, ppl_dimension_type *d*) [related]

7.87.2.64 int ppl_Pointset_Powerset_Float_Box_remove_space_dimensions (ppl_Pointset_Powerset_Float_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.87.2.65 int ppl_Pointset_Powerset_Float_Box_remove_higher_space_dimensions (ppl_Pointset_Powerset_Float_Box_t *ph*, ppl_dimension_type *d*) [related]

7.87.2.66 int ppl_Pointset_Powerset_Float_Box_expand_space_dimension (ppl_Pointset_Powerset_Float_Box_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.87.2.67 int ppl_Pointset_Powerset_Float_Box_fold_space_dimensions (ppl_Pointset_Powerset_Float_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.87.2.68 int ppl_Pointset_Powerset_Float_Box_map_space_dimensions (ppl_Pointset_Powerset_Float_Box_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.87.2.69 int ppl_Pointset_Powerset_Float_Box_drop_some_non_integer_points (ppl_Pointset_Powerset_Float_Box_t *ph*, int *complexity*) [related]

7.87.2.70 int ppl_Pointset_Powerset_Float_Box_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Float_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.87.2.71 int ppl_Pointset_Powerset_Float_Box_external_memory_in_bytes (ppl_const_Pointset_Powerset_Float_Box_t *ps*, size_t * *sz*) [related]

7.87.2.72 int ppl_Pointset_Powerset_Float_Box_total_memory_in_bytes (ppl_const_Pointset_Powerset_Float_Box_t *ps*, size_t * *sz*) [related]

7.87.2.73 int ppl_Pointset_Powerset_Float_Box_size (ppl_const_Pointset_Powerset_Float_Box_t *ps*, size_t * *sz*) [related]

7.87.2.74 int ppl_Pointset_Powerset_Float_Box_add_disjunct (ppl_Pointset_Powerset_Float_Box_t *ps*, ppl_const_Float_Box_t *d*) [related]

7.87.2.75 int ppl_Pointset_Powerset_Float_Box_drop_disjunct (ppl_Pointset_Powerset_Float_Box_t *ps*, ppl_const_Pointset_Powerset_Float_Box_iterator_t *cit*, ppl_Pointset_Powerset_Float_Box_iterator_t *it*) [related]

7.87.2.76 int ppl_Pointset_Powerset_Float_Box_drop_disjuncts (ppl_Pointset_Powerset_Float_Box_t *ps*, ppl_const_Pointset_Powerset_Float_Box_iterator_t *first*, ppl_const_Pointset_Powerset_Float_Box_iterator_t *last*) [related]

7.87.2.77 int ppl_io_print_Pointset_Powerset_Float_Box (ppl_const_Pointset_Powerset_Float_Box_t *x*) [related]

7.87.2.78 int ppl_io_fprint_Pointset_Powerset_Float_Box (FILE * *stream*, ppl_const_Pointset_Powerset_Float_Box_t *x*) [related]

7.87.2.79 int ppl_io_asprint_Pointset_Powerset_Float_Box (char ** *strp*, ppl_const_Pointset_Powerset_Float_Box_t *x*) [related]

7.87.2.80 int ppl_Pointset_Powerset_Float_Box_ascii_dump (ppl_const_Pointset_Powerset_Float_Box_t *x*, FILE * *stream*) [related]

7.87.2.81 int ppl_Pointset_Powerset_Float_Box_ascii_load (ppl_Pointset_Powerset_Float_Box_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.88 ppl_Pointset_Powerset_Grid_const_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Grid_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Grid_const_iterator (ppl_Pointset_Powerset_Grid_const_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Grid_const_iterator_from_const_iterator (ppl_Pointset_Powerset_Grid_const_iterator_t *px, ppl_const_Pointset_Powerset_Grid_const_iterator_t y)
- int ppl_Pointset_Powerset_Grid_const_iterator_begin (ppl_const_Pointset_Powerset_Grid_t ps, ppl_Pointset_Powerset_Grid_const_iterator_t psit)
- int ppl_Pointset_Powerset_Grid_const_iterator_end (ppl_const_Pointset_Powerset_Grid_t ps, ppl_Pointset_Powerset_Grid_const_iterator_t psit)
- int ppl_Pointset_Powerset_Grid_const_iterator_equal_test (ppl_const_Pointset_Powerset_Grid_const_iterator_t x, ppl_const_Pointset_Powerset_Grid_const_iterator_t y)
- int ppl_Pointset_Powerset_Grid_const_iterator_increment (ppl_Pointset_Powerset_Grid_const_iterator_t psit)
- int ppl_Pointset_Powerset_Grid_const_iterator_decrement (ppl_Pointset_Powerset_Grid_const_iterator_t psit)
- int ppl_Pointset_Powerset_Grid_const_iterator_dereference (ppl_const_Pointset_Powerset_Grid_const_iterator_t ps, ppl_const_Grid_t *d)
- int ppl_delete_Pointset_Powerset_Grid_const_iterator (ppl_const_Pointset_Powerset_Grid_const_iterator_t psit)

7.88.1 Detailed Description

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Grid_tag.

7.88.2 Friends And Related Function Documentation

7.88.2.1 int ppl_new_Pointset_Powerset_Grid_const_iterator (ppl_Pointset_Powerset_Grid_const_iterator_t * *pit*) [related]

7.88.2.2 int ppl_new_Pointset_Powerset_Grid_const_iterator_from_const_iterator (ppl_Pointset_Powerset_Grid_const_iterator_t * *px*, ppl_const_Pointset_Powerset_Grid_const_iterator_t *y*) [related]

7.88.2.3 int ppl_Pointset_Powerset_Grid_const_iterator_begin (ppl_const_Pointset_Powerset_Grid_t *ps*, ppl_Pointset_Powerset_Grid_const_iterator_t *psit*) [related]

7.88.2.4 int ppl_Pointset_Powerset_Grid_const_iterator_end (ppl_const_Pointset_Powerset_Grid_t *ps*, ppl_Pointset_Powerset_Grid_const_iterator_t *psit*) [related]

7.88.2.5 int ppl_Pointset_Powerset_Grid_const_iterator_equal_test (ppl_const_Pointset_Powerset_Grid_const_iterator_t *x*, ppl_const_Pointset_Powerset_Grid_const_iterator_t *y*) [related]

7.88.2.6 int ppl_Pointset_Powerset_Grid_const_iterator_increment (ppl_Pointset_Powerset_Grid_const_iterator_t *psit*) [related]

7.88.2.7 int ppl_Pointset_Powerset_Grid_const_iterator_decrement (ppl_Pointset_Powerset_Grid_const_iterator_t *psit*) [related]

7.88.2.8 int ppl_Pointset_Powerset_Grid_const_iterator_dereference (ppl_const_Pointset_Powerset_Grid_const_iterator_t *ps*, ppl_const_Grid_t * *d*) [related]

7.88.2.9 int ppl_delete_Pointset_Powerset_Grid_const_iterator (ppl_const_Pointset_Powerset_Grid_const_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.89 ppl_Pointset_Powerset_Grid_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Grid_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Grid_iterator (ppl_Pointset_Powerset_Grid_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Grid_iterator_from_iterator (ppl_Pointset_Powerset_Grid_iterator_t *px, ppl_const_Pointset_Powerset_Grid_iterator_t y)
- int ppl_Pointset_Powerset_Grid_iterator_begin (ppl_Pointset_Powerset_Grid_t ps, ppl_Pointset_Powerset_Grid_iterator_t psit)
- int ppl_Pointset_Powerset_Grid_iterator_end (ppl_Pointset_Powerset_Grid_t ps, ppl_Pointset_Powerset_Grid_iterator_t psit)
- int ppl_Pointset_Powerset_Grid_iterator_equal_test (ppl_const_Pointset_Powerset_Grid_iterator_t x, ppl_const_Pointset_Powerset_Grid_iterator_t y)
- int ppl_Pointset_Powerset_Grid_iterator_increment (ppl_Pointset_Powerset_Grid_iterator_t psit)
- int ppl_Pointset_Powerset_Grid_iterator_decrement (ppl_Pointset_Powerset_Grid_iterator_t psit)
- int ppl_Pointset_Powerset_Grid_iterator_dereference (ppl_const_Pointset_Powerset_Grid_iterator_t ps, ppl_const_Grid_t *d)
- int ppl_delete_Pointset_Powerset_Grid_iterator (ppl_const_Pointset_Powerset_Grid_iterator_t psit)

7.89.1 Detailed Description

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Grid_tag.

7.89.2 Friends And Related Function Documentation

7.89.2.1 int ppl_new_Pointset_Powerset_Grid_iterator (ppl_Pointset_Powerset_Grid_iterator_t * *pit*) [related]

7.89.2.2 int ppl_new_Pointset_Powerset_Grid_iterator_from_iterator (ppl_Pointset_Powerset_Grid_iterator_t * *px*, ppl_const_Pointset_Powerset_Grid_iterator_t *y*) [related]

7.89.2.3 int ppl_Pointset_Powerset_Grid_iterator_begin (ppl_Pointset_Powerset_Grid_t *ps*, ppl_Pointset_Powerset_Grid_iterator_t *psit*) [related]

7.89.2.4 int ppl_Pointset_Powerset_Grid_iterator_end (ppl_Pointset_Powerset_Grid_t *ps*, ppl_Pointset_Powerset_Grid_iterator_t *psit*) [related]

7.89.2.5 int ppl_Pointset_Powerset_Grid_iterator_equal_test (ppl_const_Pointset_Powerset_Grid_iterator_t *x*, ppl_const_Pointset_Powerset_Grid_iterator_t *y*) [related]

7.89.2.6 int ppl_Pointset_Powerset_Grid_iterator_increment (ppl_Pointset_Powerset_Grid_iterator_t *psit*) [related]

7.89.2.7 int ppl_Pointset_Powerset_Grid_iterator_decrement (ppl_Pointset_Powerset_Grid_iterator_t *psit*) [related]

7.89.2.8 int ppl_Pointset_Powerset_Grid_iterator_dereference (ppl_const_Pointset_Powerset_Grid_iterator_t *ps*, ppl_const_Grid_t * *d*) [related]

7.89.2.9 int ppl_delete_Pointset_Powerset_Grid_iterator (ppl_const_Pointset_Powerset_Grid_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.90 ppl_Pointset_Powerset_Grid_tag Interface Reference

Types and functions for ppl_Pointset_Powerset_Grid_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Pointset_Powerset_Grid (ppl_const_Pointset_Powerset_Grid_t ph)
- int ppl_new_Pointset_Powerset_Grid_from_space_dimension (ppl_Pointset_Powerset_Grid_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Pointset_Powerset_Grid_from_Pointset_Powerset_Grid (ppl_Pointset_Powerset_Grid_t *pph, ppl_const_Pointset_Powerset_Grid_t ph)
- int ppl_new_Pointset_Powerset_Grid_from_Grid (ppl_Pointset_Powerset_Grid_t *pph, ppl_const_Grid_t ph)
- int ppl_new_Pointset_Powerset_Grid_from_Pointset_Powerset_Grid_with_complexity (ppl_Pointset_Powerset_Grid_t *pph, ppl_const_Pointset_Powerset_Grid_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Grid_from_Grid_with_complexity (ppl_Pointset_Powerset_Grid_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Grid_from_Constraint_System (ppl_Pointset_Powerset_Grid_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Pointset_Powerset_Grid_from_Congruence_System (ppl_Pointset_Powerset_Grid_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Grid_space_dimension (ppl_const_Pointset_Powerset_Grid_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Grid_affine_dimension (ppl_const_Pointset_Powerset_Grid_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Grid_relation_with_Constraint (ppl_const_Pointset_Powerset_Grid_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Grid_relation_with_Generator (ppl_const_Pointset_Powerset_Grid_t ph, ppl_const_Generator_t c)
- int ppl_Pointset_Powerset_Grid_relation_with_Congruence (ppl_const_Pointset_Powerset_Grid_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Grid_is_empty (ppl_const_Pointset_Powerset_Grid_t ph)
- int ppl_Pointset_Powerset_Grid_is_universe (ppl_const_Pointset_Powerset_Grid_t ph)
- int ppl_Pointset_Powerset_Grid_is_bounded (ppl_const_Pointset_Powerset_Grid_t ph)
- int ppl_Pointset_Powerset_Grid_contains_integer_point (ppl_const_Pointset_Powerset_Grid_t ph)
- int ppl_Pointset_Powerset_Grid_is_topologically_closed (ppl_const_Pointset_Powerset_Grid_t ph)
- int ppl_Pointset_Powerset_Grid_is_discrete (ppl_const_Pointset_Powerset_Grid_t ph)
- int ppl_Pointset_Powerset_Grid_topological_closure_assign (ppl_Pointset_Powerset_Grid_t ph)
- int ppl_Pointset_Powerset_Grid_pairwise_reduce (ppl_Pointset_Powerset_Grid_t ph)
- int ppl_Pointset_Powerset_Grid_omega_reduce (ppl_Pointset_Powerset_Grid_t ph)
- int ppl_Pointset_Powerset_Grid_bounds_from_above (ppl_const_Pointset_Powerset_Grid_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Grid_bounds_from_below (ppl_const_Pointset_Powerset_Grid_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Grid_maximize (ppl_const_Pointset_Powerset_Grid_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Grid_minimize (ppl_const_Pointset_Powerset_Grid_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Grid_maximize_with_point (ppl_const_Pointset_Powerset_Grid_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Grid_minimize_with_point (ppl_const_Pointset_Powerset_Grid_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)

- int ppl_Pointset_Powerset_Grid_contains_Pointset_Powerset_Grid (ppl_const_Pointset_Powerset_Grid_t x, ppl_const_Pointset_Powerset_Grid_t y)
- int ppl_Pointset_Powerset_Grid_strictly_contains_Pointset_Powerset_Grid (ppl_const_Pointset_Powerset_Grid_t x, ppl_const_Pointset_Powerset_Grid_t y)
- int ppl_Pointset_Powerset_Grid_is_disjoint_from_Pointset_Powerset_Grid (ppl_const_Pointset_Powerset_Grid_t x, ppl_const_Pointset_Powerset_Grid_t y)
- int ppl_Pointset_Powerset_Grid_geometrically_covers_Pointset_Powerset_Grid (ppl_const_Pointset_Powerset_Grid_t x, ppl_const_Pointset_Powerset_Grid_t y)
- int ppl_Pointset_Powerset_Grid_geometrically_equals_Pointset_Powerset_Grid (ppl_const_Pointset_Powerset_Grid_t x, ppl_const_Pointset_Powerset_Grid_t y)
- int ppl_Pointset_Powerset_Grid_equals_Pointset_Powerset_Grid (ppl_const_Pointset_Powerset_Grid_t x, ppl_const_Pointset_Powerset_Grid_t y)
- int ppl_Pointset_Powerset_Grid_OK (ppl_const_Pointset_Powerset_Grid_t ph)
- int ppl_Pointset_Powerset_Grid_add_constraint (ppl_Pointset_Powerset_Grid_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Grid_add_congruence (ppl_Pointset_Powerset_Grid_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Grid_add_constraints (ppl_Pointset_Powerset_Grid_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Grid_add_congruences (ppl_Pointset_Powerset_Grid_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Grid_refine_with_constraint (ppl_Pointset_Powerset_Grid_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Grid_refine_with_congruence (ppl_Pointset_Powerset_Grid_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Grid_refine_with_constraints (ppl_Pointset_Powerset_Grid_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Grid_refine_with_congruences (ppl_Pointset_Powerset_Grid_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Grid_intersection_assign (ppl_Pointset_Powerset_Grid_t x, ppl_const_Pointset_Powerset_Grid_t y)
- int ppl_Pointset_Powerset_Grid_upper_bound_assign (ppl_Pointset_Powerset_Grid_t x, ppl_const_Pointset_Powerset_Grid_t y)
- int ppl_Pointset_Powerset_Grid_difference_assign (ppl_Pointset_Powerset_Grid_t x, ppl_const_Pointset_Powerset_Grid_t y)
- int ppl_Pointset_Powerset_Grid_concatenate_assign (ppl_Pointset_Powerset_Grid_t x, ppl_const_Pointset_Powerset_Grid_t y)
- int ppl_Pointset_Powerset_Grid_time_elapse_assign (ppl_Pointset_Powerset_Grid_t x, ppl_const_Pointset_Powerset_Grid_t y)
- int ppl_Pointset_Powerset_Grid_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Grid_t x, ppl_const_Pointset_Powerset_Grid_t y)
- int ppl_Pointset_Powerset_Grid_simplify_using_context_assign (ppl_Pointset_Powerset_Grid_t x, ppl_const_Pointset_Powerset_Grid_t y)
- int ppl_Pointset_Powerset_Grid_constrains (ppl_Pointset_Powerset_Grid_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Grid_unconstrain_space_dimension (ppl_Pointset_Powerset_Grid_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Grid_unconstrain_space_dimensions (ppl_Pointset_Powerset_Grid_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Grid_affine_image (ppl_Pointset_Powerset_Grid_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)

- int ppl_Pointset_Powerset_Grid_affine_preimage (ppl_Pointset_Powerset_Grid_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Grid_bounded_affine_image (ppl_Pointset_Powerset_Grid_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Grid_bounded_affine_preimage (ppl_Pointset_Powerset_Grid_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Grid_generalized_affine_image (ppl_Pointset_Powerset_Grid_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Grid_generalized_affine_preimage (ppl_Pointset_Powerset_Grid_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Grid_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Grid_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Grid_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Grid_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Grid_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Grid_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Grid_add_space_dimensions_and_project (ppl_Pointset_Powerset_Grid_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Grid_remove_space_dimensions (ppl_Pointset_Powerset_Grid_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Grid_remove_higher_space_dimensions (ppl_Pointset_Powerset_Grid_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Grid_expand_space_dimension (ppl_Pointset_Powerset_Grid_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Pointset_Powerset_Grid_fold_space_dimensions (ppl_Pointset_Powerset_Grid_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Grid_map_space_dimensions (ppl_Pointset_Powerset_Grid_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Pointset_Powerset_Grid_drop_some_non_integer_points (ppl_Pointset_Powerset_Grid_t ph, int complexity)
- int ppl_Pointset_Powerset_Grid_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Grid_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Pointset_Powerset_Grid_external_memory_in_bytes (ppl_const_Pointset_Powerset_Grid_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Grid_total_memory_in_bytes (ppl_const_Pointset_Powerset_Grid_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Grid_size (ppl_const_Pointset_Powerset_Grid_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Grid_add_disjunct (ppl_Pointset_Powerset_Grid_t ps, ppl_const_Grid_t d)
- int ppl_Pointset_Powerset_Grid_drop_disjunct (ppl_Pointset_Powerset_Grid_t ps, ppl_const_Pointset_Powerset_Grid_iterator_t cit, ppl_Pointset_Powerset_Grid_iterator_t it)
- int ppl_Pointset_Powerset_Grid_drop_disjuncts (ppl_Pointset_Powerset_Grid_t ps, ppl_const_Pointset_Powerset_Grid_iterator_t first, ppl_const_Pointset_Powerset_Grid_iterator_t last)
- int ppl_Pointset_Powerset_Grid_BHZ03_Grid_congruence_widening_assign (ppl_Pointset_Powerset_Grid_t x, ppl_const_Pointset_Powerset_Grid_t y)

- int ppl_Pointset_Powerset_Grid_BHZ03_Grid_generator_widening_assign (ppl_Pointset_Powerset_Grid_t x, ppl_const_Pointset_Powerset_Grid_t y)
- int ppl_Pointset_Powerset_Grid_BGP99_congruence_extrapolation_assign (ppl_Pointset_Powerset_Grid_t x, ppl_const_Pointset_Powerset_Grid_t y, int disjuncts)
- int ppl_Pointset_Powerset_Grid_BGP99_generator_extrapolation_assign (ppl_Pointset_Powerset_Grid_t x, ppl_const_Pointset_Powerset_Grid_t y, int disjuncts)
- int ppl_io_print_Pointset_Powerset_Grid (ppl_const_Pointset_Powerset_Grid_t x)
- int ppl_io_fprint_Pointset_Powerset_Grid (FILE *stream, ppl_const_Pointset_Powerset_Grid_t x)
- int ppl_io_asprint_Pointset_Powerset_Grid (char **strp, ppl_const_Pointset_Powerset_Grid_t x)
- int ppl_Pointset_Powerset_Grid_ascii_dump (ppl_const_Pointset_Powerset_Grid_t x, FILE *stream)
- int ppl_Pointset_Powerset_Grid_ascii_load (ppl_Pointset_Powerset_Grid_t x, FILE *stream)

7.90.1 Detailed Description

Types and functions for ppl_Pointset_Powerset_Grid_tag.

7.90.2 Friends And Related Function Documentation

7.90.2.1 int ppl_delete_Pointset_Powerset_Grid (ppl_const_Pointset_Powerset_Grid_t *ph*) [related]

7.90.2.2 int ppl_new_Pointset_Powerset_Grid_from_space_dimension (ppl_Pointset_Powerset_Grid_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.90.2.3 int ppl_new_Pointset_Powerset_Grid_from_Pointset_Powerset_Grid (ppl_Pointset_Powerset_Grid_t * *pph*, ppl_const_Pointset_Powerset_Grid_t *ph*) [related]

7.90.2.4 int ppl_new_Pointset_Powerset_Grid_from_Grid (ppl_Pointset_Powerset_Grid_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.90.2.5 int ppl_new_Pointset_Powerset_Grid_from_Pointset_Powerset_Grid_with_complexity (ppl_Pointset_Powerset_Grid_t * *pph*, ppl_const_Pointset_Powerset_Grid_t *ph*, int *complexity*) [related]

7.90.2.6 int ppl_new_Pointset_Powerset_Grid_from_Grid_with_complexity (ppl_Pointset_Powerset_Grid_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.90.2.7 int ppl_new_Pointset_Powerset_Grid_from_Constraint_System (ppl_Pointset_Powerset_Grid_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.90.2.8 int ppl_new_Pointset_Powerset_Grid_from_Congruence_System (ppl_Pointset_Powerset_Grid_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.90.2.9 int ppl_Pointset_Powerset_Grid_space_dimension (ppl_const_Pointset_Powerset_Grid_t *ph*, ppl_dimension_type * *m*) [related]

7.90.2.10 int ppl_Pointset_Powerset_Grid_affine_dimension (ppl_const_Pointset_Powerset_Grid_t *ph*, ppl_dimension_type * *m*) [related]

7.90.2.11 int ppl_Pointset_Powerset_Grid_relation_with_Constraint (ppl_const_Pointset_Powerset_Grid_t *ph*, ppl_const_Constraint_t *c*) [related]

7.90.2.12 int ppl_Pointset_Powerset_Grid_relation_with_Generator (ppl_const_Pointset_Powerset_Grid_t *ph*, ppl_const_Generator_t *c*) [related]

7.90.2.13 int ppl_Pointset_Powerset_Grid_relation_with_Congruence (ppl_const_Pointset_Powerset_Grid_t *ph*, ppl_const_Congruence_t *c*) [related]

7.90.2.14 int ppl_Pointset_Powerset_Grid_is_empty (ppl_const_Pointset_Powerset_Grid_t *ph*) [related]

7.90.2.15 int ppl_Pointset_Powerset_Grid_is_universe (ppl_const_Pointset_Powerset_Grid_t *ph*) [related]

7.90.2.16 int ppl_Pointset_Powerset_Grid_is_bounded (ppl_const_Pointset_Powerset_Grid_t *ph*) [related]

7.90.2.17 int ppl_Pointset_Powerset_Grid_contains_integer_point (ppl_const_Pointset_Powerset_Grid_t *ph*) [related]

7.90.2.18 int ppl_Pointset_Powerset_Grid_is_topologically_closed (ppl_const_Pointset_Powerset_Grid_t *ph*) [related]

7.90.2.19 int ppl_Pointset_Powerset_Grid_is_discrete (ppl_const_Pointset_Powerset_Grid_t *ph*) [related]

7.90.2.20 int ppl_Pointset_Powerset_Grid_topological_closure_assign (ppl_Pointset_Powerset_Grid_t *ph*) [related]

7.90.2.21 int ppl_Pointset_Powerset_Grid_pairwise_reduce (ppl_Pointset_Powerset_Grid_t *ph*) [related]

7.90.2.22 int ppl_Pointset_Powerset_Grid_omega_reduce (ppl_Pointset_Powerset_Grid_t *ph*) [related]

7.90.2.23 int ppl_Pointset_Powerset_Grid_bounds_from_above (ppl_const_Pointset_Powerset_Grid_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.90.2.24 int ppl_Pointset_Powerset_Grid_bounds_from_below (ppl_const_Pointset_Powerset_Grid_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.90.2.25 int ppl_Pointset_Powerset_Grid_maximize (ppl_const_Pointset_Powerset_Grid_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.90.2.26 int ppl_Pointset_Powerset_Grid_minimize (ppl_const_Pointset_Powerset_Grid_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.90.2.27 int ppl_Pointset_Powerset_Grid_maximize_with_point (ppl_const_Pointset_Powerset_Grid_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.90.2.28 int ppl_Pointset_Powerset_Grid_minimize_with_point (ppl_const_Pointset_Powerset_Grid_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.90.2.29 int ppl_Pointset_Powerset_Grid_contains_Pointset_Powerset_Grid (ppl_const_Pointset_Powerset_Grid_t *x*, ppl_const_Pointset_Powerset_Grid_t *y*) [related]

7.90.2.30 int ppl_Pointset_Powerset_Grid_strictly_contains_Pointset_Powerset_Grid (ppl_const_Pointset_Powerset_Grid_t *x*, ppl_const_Pointset_Powerset_Grid_t *y*) [related]

7.90.2.31 int ppl_Pointset_Powerset_Grid_is_disjoint_from_Pointset_Powerset_Grid (ppl_const_Pointset_Powerset_Grid_t *x*, ppl_const_Pointset_Powerset_Grid_t *y*) [related]

7.90.2.32 int ppl_Pointset_Powerset_Grid_geometrically_covers_Pointset_Powerset_Grid (ppl_const_Pointset_Powerset_Grid_t *x*, ppl_const_Pointset_Powerset_Grid_t *y*) [related]

7.90.2.33 int ppl_Pointset_Powerset_Grid_geometrically_equals_Pointset_Powerset_Grid (ppl_const_Pointset_Powerset_Grid_t *x*, ppl_const_Pointset_Powerset_Grid_t *y*) [related]

7.90.2.34 int ppl_Pointset_Powerset_Grid_equals_Pointset_Powerset_Grid (ppl_const_Pointset_Powerset_Grid_t *x*, ppl_const_Pointset_Powerset_Grid_t *y*) [related]

7.90.2.35 int ppl_Pointset_Powerset_Grid_OK (ppl_const_Pointset_Powerset_Grid_t *ph*) [related]

7.90.2.36 int ppl_Pointset_Powerset_Grid_add_constraint (ppl_Pointset_Powerset_Grid_t *ph*, ppl_const_Constraint_t *c*) [related]

7.90.2.37 int ppl_Pointset_Powerset_Grid_add_congruence (ppl_Pointset_Powerset_Grid_t *ph*, ppl_const_Congruence_t *c*) [related]

7.90.2.38 int ppl_Pointset_Powerset_Grid_add_constraints (ppl_Pointset_Powerset_Grid_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.90.2.39 int ppl_Pointset_Powerset_Grid_add_congruences (ppl_Pointset_Powerset_Grid_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.90.2.40 int ppl_Pointset_Powerset_Grid_refine_with_constraint (ppl_Pointset_Powerset_Grid_t *ph*, ppl_const_Constraint_t *c*) [related]

7.90.2.41 int ppl_Pointset_Powerset_Grid_refine_with_congruence (ppl_Pointset_Powerset_Grid_t *ph*, ppl_const_Congruence_t *c*) [related]

7.90.2.42 int ppl_Pointset_Powerset_Grid_refine_with_constraints (ppl_Pointset_Powerset_Grid_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.90.2.43 int ppl_Pointset_Powerset_Grid_refine_with_congruences (ppl_Pointset_Powerset_Grid_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.90.2.44 int ppl_Pointset_Powerset_Grid_intersection_assign (ppl_Pointset_Powerset_Grid_t *x*, ppl_const_Pointset_Powerset_Grid_t *y*) [related]

7.90.2.45 int ppl_Pointset_Powerset_Grid_upper_bound_assign (ppl_Pointset_Powerset_Grid_t *x*, ppl_const_Pointset_Powerset_Grid_t *y*) [related]

7.90.2.46 int ppl_Pointset_Powerset_Grid_difference_assign (ppl_Pointset_Powerset_Grid_t *x*, ppl_const_Pointset_Powerset_Grid_t *y*) [related]

7.90.2.47 int ppl_Pointset_Powerset_Grid_concatenate_assign (ppl_Pointset_Powerset_Grid_t *x*, ppl_const_Pointset_Powerset_Grid_t *y*) [related]

7.90.2.48 int ppl_Pointset_Powerset_Grid_time_elapse_assign (ppl_Pointset_Powerset_Grid_t *x*, ppl_const_Pointset_Powerset_Grid_t *y*) [related]

7.90.2.49 int ppl_Pointset_Powerset_Grid_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Grid_t *x*, ppl_const_Pointset_Powerset_Grid_t *y*) [related]

7.90.2.50 int ppl_Pointset_Powerset_Grid_simplify_using_context_assign (ppl_Pointset_Powerset_Grid_t *x*, ppl_const_Pointset_Powerset_Grid_t *y*) [related]

7.90.2.51 int ppl_Pointset_Powerset_Grid_constrains (ppl_Pointset_Powerset_Grid_t *ph*, ppl_dimension_type *var*) [related]

7.90.2.52 int ppl_Pointset_Powerset_Grid_unconstrain_space_dimension (ppl_Pointset_Powerset_Grid_t *ph*, ppl_dimension_type *var*) [related]

7.90.2.53 int ppl_Pointset_Powerset_Grid_unconstrain_space_dimensions (ppl_Pointset_Powerset_Grid_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.90.2.54 int ppl_Pointset_Powerset_Grid_affine_image (ppl_Pointset_Powerset_Grid_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.90.2.55 int ppl_Pointset_Powerset_Grid_affine_preimage (ppl_Pointset_Powerset_Grid_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.90.2.56 int ppl_Pointset_Powerset_Grid_bounded_affine_image (ppl_Pointset_Powerset_Grid_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.90.2.57 int ppl_Pointset_Powerset_Grid_bounded_affine_preimage (ppl_Pointset_-Powerset_Grid_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.90.2.58 int ppl_Pointset_Powerset_Grid_generalized_affine_image (ppl_Pointset_Powerset_Grid_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.90.2.59 int ppl_Pointset_Powerset_Grid_generalized_affine_preimage (ppl_Pointset_Powerset_Grid_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.90.2.60 int ppl_Pointset_Powerset_Grid_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Grid_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.90.2.61 int ppl_Pointset_Powerset_Grid_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Grid_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.90.2.62 int ppl_Pointset_Powerset_Grid_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Grid_t *ph*, ppl_dimension_type *d*) [related]

7.90.2.63 int ppl_Pointset_Powerset_Grid_add_space_dimensions_and_project (ppl_Pointset_Powerset_Grid_t *ph*, ppl_dimension_type *d*) [related]

7.90.2.64 int ppl_Pointset_Powerset_Grid_remove_space_dimensions (ppl_Pointset_Powerset_Grid_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.90.2.65 int ppl_Pointset_Powerset_Grid_remove_higher_space_dimensions (ppl_Pointset_Powerset_Grid_t *ph*, ppl_dimension_type *d*) [related]

7.90.2.66 int ppl_Pointset_Powerset_Grid_expand_space_dimension (ppl_Pointset_Powerset_Grid_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.90.2.67 int ppl_Pointset_Powerset_Grid_fold_space_dimensions (ppl_Pointset_Powerset_Grid_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.90.2.68 int ppl_Pointset_Powerset_Grid_map_space_dimensions (ppl_Pointset_Powerset_Grid_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.90.2.69 int ppl_Pointset_Powerset_Grid_drop_some_non_integer_points (ppl_Pointset_Powerset_Grid_t *ph*, int *complexity*) [related]

7.90.2.70 int ppl_Pointset_Powerset_Grid_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Grid_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.90.2.71 int ppl_Pointset_Powerset_Grid_external_memory_in_bytes (ppl_const_Pointset_Powerset_Grid_t *ps*, size_t * *sz*) [related]

7.90.2.72 int ppl_Pointset_Powerset_Grid_total_memory_in_bytes (ppl_const_Pointset_Powerset_Grid_t *ps*, size_t * *sz*) [related]

7.90.2.73 int ppl_Pointset_Powerset_Grid_size (ppl_const_Pointset_Powerset_Grid_t *ps*, size_t * *sz*) [related]

7.90.2.74 int ppl_Pointset_Powerset_Grid_add_disjunct (ppl_Pointset_Powerset_Grid_t *ps*, ppl_const_Grid_t *d*) [related]

7.90.2.75 int ppl_Pointset_Powerset_Grid_drop_disjunct (ppl_Pointset_Powerset_Grid_t *ps*, ppl_const_Pointset_Powerset_Grid_iterator_t *cit*, ppl_Pointset_Powerset_Grid_iterator_t *it*) [related]

7.90.2.76 int ppl_Pointset_Powerset_Grid_drop_disjuncts (ppl_Pointset_Powerset_Grid_t *ps*, ppl_const_Pointset_Powerset_Grid_iterator_t *first*, ppl_const_Pointset_Powerset_Grid_iterator_t *last*) [related]

7.90.2.77 int ppl_Pointset_Powerset_Grid_BHZ03_Grid_congruence_widening_assign (ppl_Pointset_Powerset_Grid_t *x*, ppl_const_Pointset_Powerset_Grid_t *y*) [related]

7.90.2.78 int ppl_Pointset_Powerset_Grid_BHZ03_Grid_generator_widening_assign (ppl_Pointset_Powerset_Grid_t *x*, ppl_const_Pointset_Powerset_Grid_t *y*) [related]

7.90.2.79 int ppl_Pointset_Powerset_Grid_BGP99_congruence_extrapolation_assign (ppl_Pointset_Powerset_Grid_t *x*, ppl_const_Pointset_Powerset_Grid_t *y*, int *disjuncts*) [related]

7.90.2.80 int ppl_Pointset_Powerset_Grid_BGP99_generator_extrapolation_assign (ppl_Pointset_Powerset_Grid_t *x*, ppl_const_Pointset_Powerset_Grid_t *y*, int *disjuncts*) [related]

7.90.2.81 int ppl_io_print_Pointset_Powerset_Grid (ppl_const_Pointset_Powerset_Grid_t *x*) [related]

7.90.2.82 int ppl_io_fprint_Pointset_Powerset_Grid (FILE * *stream*, ppl_const_Pointset_Powerset_Grid_t *x*) [related]

7.90.2.83 int ppl_io_asprint_Pointset_Powerset_Grid (char ** *strp*, ppl_const_Pointset_Powerset_Grid_t *x*) [related]

7.90.2.84 int ppl_Pointset_Powerset_Grid_ascii_dump (ppl_const_Pointset_Powerset_Grid_t *x*, FILE * *stream*) [related]

7.90.2.85 int ppl_Pointset_Powerset_Grid_ascii_load (ppl_Pointset_Powerset_Grid_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.91 ppl_Pointset_Powerset_Int16_Box_const_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Int16_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Int16_Box_const_iterator (ppl_Pointset_Powerset_Int16_Box_const_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Int16_Box_const_iterator_from_const_iterator (ppl_Pointset_Powerset_Int16_Box_const_iterator_t *px, ppl_const_Pointset_Powerset_Int16_Box_const_iterator_t y)
- int ppl_Pointset_Powerset_Int16_Box_const_iterator_begin (ppl_const_Pointset_Powerset_Int16_Box_t ps, ppl_Pointset_Powerset_Int16_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Int16_Box_const_iterator_end (ppl_const_Pointset_Powerset_Int16_Box_t ps, ppl_Pointset_Powerset_Int16_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Int16_Box_const_iterator_equal_test (ppl_const_Pointset_Powerset_Int16_Box_const_iterator_t x, ppl_const_Pointset_Powerset_Int16_Box_const_iterator_t y)
- int ppl_Pointset_Powerset_Int16_Box_const_iterator_increment (ppl_Pointset_Powerset_Int16_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Int16_Box_const_iterator_decrement (ppl_Pointset_Powerset_Int16_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Int16_Box_const_iterator_dereference (ppl_const_Pointset_Powerset_Int16_Box_const_iterator_t ps, ppl_const_Int16_Box_t *d)
- int ppl_delete_Pointset_Powerset_Int16_Box_const_iterator (ppl_const_Pointset_Powerset_Int16_Box_const_iterator_t psit)

7.91.1 Detailed Description

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Int16_Box_tag.

7.91.2 Friends And Related Function Documentation

7.91.2.1 int ppl_new_Pointset_Powerset_Int16_Box_const_iterator (ppl_Pointset_Powerset_Int16_Box_const_iterator_t * *pit*) [related]

7.91.2.2 int ppl_new_Pointset_Powerset_Int16_Box_const_iterator_from_const_iterator (ppl_Pointset_Powerset_Int16_Box_const_iterator_t * *px*, ppl_const_Pointset_Powerset_Int16_Box_const_iterator_t *y*) [related]

7.91.2.3 int ppl_Pointset_Powerset_Int16_Box_const_iterator_begin (ppl_const_Pointset_Powerset_Int16_Box_t *ps*, ppl_Pointset_Powerset_Int16_Box_const_iterator_t *psit*) [related]

7.91.2.4 int ppl_Pointset_Powerset_Int16_Box_const_iterator_end (ppl_const_Pointset_Powerset_Int16_Box_t *ps*, ppl_Pointset_Powerset_Int16_Box_const_iterator_t *psit*) [related]

7.91.2.5 int ppl_Pointset_Powerset_Int16_Box_const_iterator_equal_test (ppl_const_Pointset_Powerset_Int16_Box_const_iterator_t *x*, ppl_const_Pointset_Powerset_Int16_Box_const_iterator_t *y*) [related]

7.91.2.6 int ppl_Pointset_Powerset_Int16_Box_const_iterator_increment (ppl_Pointset_Powerset_Int16_Box_const_iterator_t *psit*) [related]

7.91.2.7 int ppl_Pointset_Powerset_Int16_Box_const_iterator_decrement (ppl_Pointset_Powerset_Int16_Box_const_iterator_t *psit*) [related]

7.91.2.8 int ppl_Pointset_Powerset_Int16_Box_const_iterator_dereference (ppl_const_Pointset_Powerset_Int16_Box_const_iterator_t *ps*, ppl_const_Int16_Box_t * *d*) [related]

7.91.2.9 int ppl_delete_Pointset_Powerset_Int16_Box_const_iterator (ppl_const_Pointset_Powerset_Int16_Box_const_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.92 ppl_Pointset_Powerset_Int16_Box_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Int16_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Int16_Box_iterator (ppl_Pointset_Powerset_Int16_Box_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Int16_Box_iterator_from_iterator (ppl_Pointset_Powerset_Int16_Box_iterator_t *px, ppl_const_Pointset_Powerset_Int16_Box_iterator_t y)
- int ppl_Pointset_Powerset_Int16_Box_iterator_begin (ppl_Pointset_Powerset_Int16_Box_t ps, ppl_Pointset_Powerset_Int16_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Int16_Box_iterator_end (ppl_Pointset_Powerset_Int16_Box_t ps, ppl_Pointset_Powerset_Int16_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Int16_Box_iterator_equal_test (ppl_const_Pointset_Powerset_Int16_Box_iterator_t x, ppl_const_Pointset_Powerset_Int16_Box_iterator_t y)
- int ppl_Pointset_Powerset_Int16_Box_iterator_increment (ppl_Pointset_Powerset_Int16_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Int16_Box_iterator_decrement (ppl_Pointset_Powerset_Int16_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Int16_Box_iterator_dereference (ppl_const_Pointset_Powerset_Int16_Box_iterator_t ps, ppl_const_Int16_Box_t *d)
- int ppl_delete_Pointset_Powerset_Int16_Box_iterator (ppl_const_Pointset_Powerset_Int16_Box_iterator_t psit)

7.92.1 Detailed Description

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Int16_Box_tag.

7.92.2 Friends And Related Function Documentation

7.92.2.1 int ppl_new_Pointset_Powerset_Int16_Box_iterator (ppl_Pointset_Powerset_Int16_Box_-iterator_t * *pit*) [related]

7.92.2.2 int ppl_new_Pointset_Powerset_Int16_Box_iterator_from_iterator (ppl_Pointset_-Powerset_Int16_Box_iterator_t * *px*, ppl_const_Pointset_Powerset_Int16_Box_iterator_t *y*) [related]

7.92.2.3 int ppl_Pointset_Powerset_Int16_Box_iterator_begin (ppl_Pointset_-Powerset_Int16_Box_t *ps*, ppl_Pointset_Powerset_Int16_Box_iterator_t *psit*) [related]

7.92.2.4 int ppl_Pointset_Powerset_Int16_Box_iterator_end (ppl_Pointset_Powerset_Int16_Box_t *ps*, ppl_Pointset_Powerset_Int16_Box_iterator_t *psit*) [related]

7.92.2.5 int ppl_Pointset_Powerset_Int16_Box_iterator_equal_test (ppl_const_Pointset_-Powerset_Int16_Box_iterator_t *x*, ppl_const_Pointset_Powerset_Int16_Box_iterator_t *y*) [related]

7.92.2.6 int ppl_Pointset_Powerset_Int16_Box_iterator_increment (ppl_Pointset_Powerset_-Int16_Box_iterator_t *psit*) [related]

7.92.2.7 int ppl_Pointset_Powerset_Int16_Box_iterator_decrement (ppl_Pointset_Powerset_-Int16_Box_iterator_t *psit*) [related]

7.92.2.8 int ppl_Pointset_Powerset_Int16_Box_iterator_dereference (ppl_const_-Pointset_Powerset_Int16_Box_iterator_t *ps*, ppl_const_Int16_Box_t * *d*) [related]

7.92.2.9 int ppl_delete_Pointset_Powerset_Int16_Box_iterator (ppl_const_Pointset_Powerset_Int16_Box_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.93 ppl_Pointset_Powerset_Int16_Box_tag Interface Reference

Types and functions for ppl_Pointset_Powerset_Int16_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Pointset_Powerset_Int16_Box (ppl_const_Pointset_Powerset_Int16_Box_t ph)
- int ppl_new_Pointset_Powerset_Int16_Box_from_space_dimension (ppl_Pointset_Powerset_Int16_Box_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Pointset_Powerset_Int16_Box_from_Pointset_Powerset_Int16_Box (ppl_Pointset_Powerset_Int16_Box_t *pph, ppl_const_Pointset_Powerset_Int16_Box_t ph)
- int ppl_new_Pointset_Powerset_Int16_Box_from_Int16_Box (ppl_Pointset_Powerset_Int16_Box_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_Pointset_Powerset_Int16_Box_from_Pointset_Powerset_Int16_Box_with_complexity (ppl_Pointset_Powerset_Int16_Box_t *pph, ppl_const_Pointset_Powerset_Int16_Box_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Int16_Box_from_Int16_Box_with_complexity (ppl_Pointset_Powerset_Int16_Box_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Int16_Box_from_Constraint_System (ppl_Pointset_Powerset_Int16_Box_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Pointset_Powerset_Int16_Box_from_Congruence_System (ppl_Pointset_Powerset_Int16_Box_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Int16_Box_space_dimension (ppl_const_Pointset_Powerset_Int16_Box_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Int16_Box_affine_dimension (ppl_const_Pointset_Powerset_Int16_Box_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Int16_Box_relation_with_Constraint (ppl_const_Pointset_Powerset_Int16_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Int16_Box_relation_with_Generator (ppl_const_Pointset_Powerset_Int16_Box_t ph, ppl_const_Generator_t c)
- int ppl_Pointset_Powerset_Int16_Box_relation_with_Congruence (ppl_const_Pointset_Powerset_Int16_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Int16_Box_is_empty (ppl_const_Pointset_Powerset_Int16_Box_t ph)
- int ppl_Pointset_Powerset_Int16_Box_is_universe (ppl_const_Pointset_Powerset_Int16_Box_t ph)
- int ppl_Pointset_Powerset_Int16_Box_is_bounded (ppl_const_Pointset_Powerset_Int16_Box_t ph)
- int ppl_Pointset_Powerset_Int16_Box_contains_integer_point (ppl_const_Pointset_Powerset_Int16_Box_t ph)
- int ppl_Pointset_Powerset_Int16_Box_is_topologically_closed (ppl_const_Pointset_Powerset_Int16_Box_t ph)

- int ppl_Pointset_Powerset_Int16_Box_is_discrete (ppl_const_Pointset_Powerset_Int16_Box_t ph)
- int ppl_Pointset_Powerset_Int16_Box_topological_closure_assign (ppl_Pointset_Powerset_Int16_Box_t ph)
- int ppl_Pointset_Powerset_Int16_Box_pairwise_reduce (ppl_Pointset_Powerset_Int16_Box_t ph)
- int ppl_Pointset_Powerset_Int16_Box_omega_reduce (ppl_Pointset_Powerset_Int16_Box_t ph)
- int ppl_Pointset_Powerset_Int16_Box_bounds_from_above (ppl_const_Pointset_Powerset_Int16_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Int16_Box_bounds_from_below (ppl_const_Pointset_Powerset_Int16_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Int16_Box_maximize (ppl_const_Pointset_Powerset_Int16_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Int16_Box_minimize (ppl_const_Pointset_Powerset_Int16_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Int16_Box_maximize_with_point (ppl_const_Pointset_Powerset_Int16_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Int16_Box_minimize_with_point (ppl_const_Pointset_Powerset_Int16_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Int16_Box_contains_Pointset_Powerset_Int16_Box (ppl_const_Pointset_Powerset_Int16_Box_t x, ppl_const_Pointset_Powerset_Int16_Box_t y)
- int ppl_Pointset_Powerset_Int16_Box_strictly_contains_Pointset_Powerset_Int16_Box (ppl_const_Pointset_Powerset_Int16_Box_t x, ppl_const_Pointset_Powerset_Int16_Box_t y)
- int ppl_Pointset_Powerset_Int16_Box_is_disjoint_from_Pointset_Powerset_Int16_Box (ppl_const_Pointset_Powerset_Int16_Box_t x, ppl_const_Pointset_Powerset_Int16_Box_t y)
- int ppl_Pointset_Powerset_Int16_Box_geometrically_covers_Pointset_Powerset_Int16_Box (ppl_const_Pointset_Powerset_Int16_Box_t x, ppl_const_Pointset_Powerset_Int16_Box_t y)
- int ppl_Pointset_Powerset_Int16_Box_geometrically_equals_Pointset_Powerset_Int16_Box (ppl_const_Pointset_Powerset_Int16_Box_t x, ppl_const_Pointset_Powerset_Int16_Box_t y)
- int ppl_Pointset_Powerset_Int16_Box_equals_Pointset_Powerset_Int16_Box (ppl_const_Pointset_Powerset_Int16_Box_t x, ppl_const_Pointset_Powerset_Int16_Box_t y)
- int ppl_Pointset_Powerset_Int16_Box_OK (ppl_const_Pointset_Powerset_Int16_Box_t ph)
- int ppl_Pointset_Powerset_Int16_Box_add_constraint (ppl_Pointset_Powerset_Int16_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Int16_Box_add_congruence (ppl_Pointset_Powerset_Int16_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Int16_Box_add_constraints (ppl_Pointset_Powerset_Int16_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Int16_Box_add_congruences (ppl_Pointset_Powerset_Int16_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Int16_Box_refine_with_constraint (ppl_Pointset_Powerset_Int16_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Int16_Box_refine_with_congruence (ppl_Pointset_Powerset_Int16_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Int16_Box_refine_with_constraints (ppl_Pointset_Powerset_Int16_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Int16_Box_refine_with_congruences (ppl_Pointset_Powerset_Int16_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Int16_Box_intersection_assign (ppl_Pointset_Powerset_Int16_Box_t x, ppl_const_Pointset_Powerset_Int16_Box_t y)
- int ppl_Pointset_Powerset_Int16_Box_upper_bound_assign (ppl_Pointset_Powerset_Int16_Box_t x, ppl_const_Pointset_Powerset_Int16_Box_t y)

- int ppl_Pointset_Powerset_Int16_Box_difference_assign (ppl_Pointset_Powerset_Int16_Box_t x, ppl_const_Pointset_Powerset_Int16_Box_t y)
- int ppl_Pointset_Powerset_Int16_Box_concatenate_assign (ppl_Pointset_Powerset_Int16_Box_t x, ppl_const_Pointset_Powerset_Int16_Box_t y)
- int ppl_Pointset_Powerset_Int16_Box_time_elapse_assign (ppl_Pointset_Powerset_Int16_Box_t x, ppl_const_Pointset_Powerset_Int16_Box_t y)
- int ppl_Pointset_Powerset_Int16_Box_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Int16_Box_t x, ppl_const_Pointset_Powerset_Int16_Box_t y)
- int ppl_Pointset_Powerset_Int16_Box_simplify_using_context_assign (ppl_Pointset_Powerset_Int16_Box_t x, ppl_const_Pointset_Powerset_Int16_Box_t y)
- int ppl_Pointset_Powerset_Int16_Box_constrains (ppl_Pointset_Powerset_Int16_Box_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Int16_Box_unconstrain_space_dimension (ppl_Pointset_Powerset_Int16_Box_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Int16_Box_unconstrain_space_dimensions (ppl_Pointset_Powerset_Int16_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Int16_Box_affine_image (ppl_Pointset_Powerset_Int16_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Int16_Box_affine_preimage (ppl_Pointset_Powerset_Int16_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Int16_Box_bounded_affine_image (ppl_Pointset_Powerset_Int16_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Int16_Box_bounded_affine_preimage (ppl_Pointset_Powerset_Int16_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Int16_Box_generalized_affine_image (ppl_Pointset_Powerset_Int16_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Int16_Box_generalized_affine_preimage (ppl_Pointset_Powerset_Int16_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Int16_Box_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Int16_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Int16_Box_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Int16_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Int16_Box_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Int16_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Int16_Box_add_space_dimensions_and_project (ppl_Pointset_Powerset_Int16_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Int16_Box_remove_space_dimensions (ppl_Pointset_Powerset_Int16_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Int16_Box_remove_higher_space_dimensions (ppl_Pointset_Powerset_Int16_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Int16_Box_expand_space_dimension (ppl_Pointset_Powerset_Int16_Box_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Pointset_Powerset_Int16_Box_fold_space_dimensions (ppl_Pointset_Powerset_Int16_Box_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Int16_Box_map_space_dimensions (ppl_Pointset_Powerset_Int16_Box_t ph, ppl_dimension_type maps[ ], size_t n)

- int ppl_Pointset_Powerset_Int16_Box_drop_some_non_integer_points (ppl_Pointset_Powerset_Int16_Box_t ph, int complexity)
- int ppl_Pointset_Powerset_Int16_Box_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Int16_Box_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Pointset_Powerset_Int16_Box_external_memory_in_bytes (ppl_const_Pointset_Powerset_Int16_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Int16_Box_total_memory_in_bytes (ppl_const_Pointset_Powerset_Int16_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Int16_Box_size (ppl_const_Pointset_Powerset_Int16_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Int16_Box_add_disjunct (ppl_Pointset_Powerset_Int16_Box_t ps, ppl_const_Int16_Box_t d)
- int ppl_Pointset_Powerset_Int16_Box_drop_disjunct (ppl_Pointset_Powerset_Int16_Box_t ps, ppl_const_Pointset_Powerset_Int16_Box_iterator_t cit, ppl_Pointset_Powerset_Int16_Box_iterator_t it)
- int ppl_Pointset_Powerset_Int16_Box_drop_disjuncts (ppl_Pointset_Powerset_Int16_Box_t ps, ppl_const_Pointset_Powerset_Int16_Box_iterator_t first, ppl_const_Pointset_Powerset_Int16_Box_iterator_t last)
- int ppl_io_print_Pointset_Powerset_Int16_Box (ppl_const_Pointset_Powerset_Int16_Box_t x)
- int ppl_io_fprint_Pointset_Powerset_Int16_Box (FILE *stream, ppl_const_Pointset_Powerset_Int16_Box_t x)
- int ppl_io_asprint_Pointset_Powerset_Int16_Box (char **strp, ppl_const_Pointset_Powerset_Int16_Box_t x)
- int ppl_Pointset_Powerset_Int16_Box_ascii_dump (ppl_const_Pointset_Powerset_Int16_Box_t x, FILE *stream)
- int ppl_Pointset_Powerset_Int16_Box_ascii_load (ppl_Pointset_Powerset_Int16_Box_t x, FILE *stream)

7.93.1 Detailed Description

Types and functions for ppl_Pointset_Powerset_Int16_Box_tag.

7.93.2 Friends And Related Function Documentation

7.93.2.1 int ppl_delete_Pointset_Powerset_Int16_Box (ppl_const_Pointset_Powerset_Int16_Box_t *ph*) [related]

7.93.2.2 int ppl_new_Pointset_Powerset_Int16_Box_from_space_dimension (ppl_Pointset_Powerset_Int16_Box_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.93.2.3 int ppl_new_Pointset_Powerset_Int16_Box_from_Pointset_Powerset_Int16_Box (ppl_Pointset_Powerset_Int16_Box_t * *pph*, ppl_const_Pointset_Powerset_Int16_Box_t *ph*) [related]

7.93.2.4 int ppl_new_Pointset_Powerset_Int16_Box_from_Int16_Box (ppl_-Pointset_Powerset_Int16_Box_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.93.2.5 int ppl_new_Pointset_Powerset_Int16_Box_from_Pointset_Powerset_-Int16_Box_with_complexity (ppl_Pointset_Powerset_Int16_Box_t * *pph*, ppl_const_Pointset_Powerset_Int16_Box_t *ph*, int *complexity*) [related]

7.93.2.6 int ppl_new_Pointset_Powerset_Int16_Box_from_Int16_Box_with_complexity (ppl_Pointset_Powerset_Int16_Box_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.93.2.7 int ppl_new_Pointset_Powerset_Int16_Box_from_Constraint_System (ppl_Pointset_Powerset_Int16_Box_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.93.2.8 int ppl_new_Pointset_Powerset_Int16_Box_from_Congruence_System (ppl_Pointset_Powerset_Int16_Box_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.93.2.9 int ppl_Pointset_Powerset_Int16_Box_space_dimension (ppl_const_-Pointset_Powerset_Int16_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.93.2.10 int ppl_Pointset_Powerset_Int16_Box_affine_dimension (ppl_const_-Pointset_Powerset_Int16_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.93.2.11 int ppl_Pointset_Powerset_Int16_Box_relation_with_Constraint (ppl_const_Pointset_Powerset_Int16_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.93.2.12 int ppl_Pointset_Powerset_Int16_Box_relation_with_Generator (ppl_const_Pointset_Powerset_Int16_Box_t *ph*, ppl_const_Generator_t *c*) [related]

7.93.2.13 int ppl_Pointset_Powerset_Int16_Box_relation_with_Congruence (ppl_const_Pointset_Powerset_Int16_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.93.2.14 int ppl_Pointset_Powerset_Int16_Box_is_empty (ppl_const_Pointset_Powerset_Int16_Box_t *ph*) [related]

7.93.2.15 int ppl_Pointset_Powerset_Int16_Box_is_universe (ppl_const_Pointset_Powerset_Int16_Box_t *ph*) [related]

7.93.2.16 int ppl_Pointset_Powerset_Int16_Box_is_bounded (ppl_const_Pointset_Powerset_Int16_Box_t *ph*) [related]

7.93.2.17 int ppl_Pointset_Powerset_Int16_Box_contains_integer_point (ppl_const_Pointset_Powerset_Int16_Box_t *ph*) [related]

7.93.2.18 int ppl_Pointset_Powerset_Int16_Box_is_topologically_closed (ppl_const_Pointset_Powerset_Int16_Box_t *ph*) [related]

7.93.2.19 int ppl_Pointset_Powerset_Int16_Box_is_discrete (ppl_const_Pointset_Powerset_Int16_Box_t *ph*) [related]

7.93.2.20 int ppl_Pointset_Powerset_Int16_Box_topological_closure_assign (ppl_Pointset_Powerset_Int16_Box_t *ph*) [related]

7.93.2.21 int ppl_Pointset_Powerset_Int16_Box_pairwise_reduce (ppl_Pointset_Powerset_Int16_-Box_t *ph*) [related]

7.93.2.22 int ppl_Pointset_Powerset_Int16_Box_omega_reduce (ppl_Pointset_Powerset_Int16_-Box_t *ph*) [related]

7.93.2.23 int ppl_Pointset_Powerset_Int16_Box_bounds_from_above (ppl_const_-Pointset_Powerset_Int16_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.93.2.24 int ppl_Pointset_Powerset_Int16_Box_bounds_from_below (ppl_const_-Pointset_Powerset_Int16_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.93.2.25 int ppl_Pointset_Powerset_Int16_Box_maximize (ppl_const_Pointset_Powerset_Int16_-Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.93.2.26 int ppl_Pointset_Powerset_Int16_Box_minimize (ppl_const_Pointset_Powerset_Int16_-Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.93.2.27 int ppl_Pointset_Powerset_Int16_Box_maximize_with_point (ppl_const_Pointset_-Powerset_Int16_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.93.2.28 int ppl_Pointset_Powerset_Int16_Box_minimize_with_point (ppl_const_Pointset_-Powerset_Int16_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.93.2.29 int ppl_Pointset_Powerset_Int16_Box_contains_Pointset_Powerset_Int16_Box (ppl_const_Pointset_Powerset_Int16_Box_t *x*, ppl_const_Pointset_Powerset_Int16_Box_t *y*) [related]

7.93.2.30 int ppl_Pointset_Powerset_Int16_Box_strictly_contains_Pointset_Powerset_Int16_Box (ppl_const_Pointset_Powerset_Int16_Box_t *x*, ppl_const_Pointset_Powerset_Int16_Box_t *y*) [related]

7.93.2.31 int ppl_Pointset_Powerset_Int16_Box_is_disjoint_from_Pointset_Powerset_Int16_Box (ppl_const_Pointset_Powerset_Int16_Box_t *x*, ppl_const_Pointset_Powerset_Int16_Box_t *y*) [related]

7.93.2.32 int ppl_Pointset_Powerset_Int16_Box_geometrically_covers_Pointset_Powerset_Int16_Box (ppl_const_Pointset_Powerset_Int16_Box_t *x*, ppl_const_Pointset_Powerset_Int16_Box_t *y*) [related]

7.93.2.33 int ppl_Pointset_Powerset_Int16_Box_geometrically_equals_Pointset_Powerset_Int16_Box (ppl_const_Pointset_Powerset_Int16_Box_t *x*, ppl_const_Pointset_Powerset_Int16_Box_t *y*) [related]

7.93.2.34 int ppl_Pointset_Powerset_Int16_Box_equals_Pointset_Powerset_Int16_Box (ppl_const_Pointset_Powerset_Int16_Box_t *x*, ppl_const_Pointset_Powerset_Int16_Box_t *y*) [related]

7.93.2.35 int ppl_Pointset_Powerset_Int16_Box_OK (ppl_const_Pointset_Powerset_Int16_Box_t *ph*) [related]

7.93.2.36 int ppl_Pointset_Powerset_Int16_Box_add_constraint (ppl_Pointset_Powerset_Int16_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.93.2.37 int ppl_Pointset_Powerset_Int16_Box_add_congruence (ppl_Pointset_Powerset_Int16_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.93.2.38 int ppl_Pointset_Powerset_Int16_Box_add_constraints (ppl_Pointset_Powerset_Int16_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.93.2.39 int ppl_Pointset_Powerset_Int16_Box_add_congruences (ppl_Pointset_Powerset_Int16_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.93.2.40 int ppl_Pointset_Powerset_Int16_Box_refine_with_constraint (ppl_Pointset_Powerset_Int16_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.93.2.41 int ppl_Pointset_Powerset_Int16_Box_refine_with_congruence (ppl_Pointset_Powerset_Int16_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.93.2.42 int ppl_Pointset_Powerset_Int16_Box_refine_with_constraints (ppl_Pointset_Powerset_Int16_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.93.2.43 int ppl_Pointset_Powerset_Int16_Box_refine_with_congruences (ppl_Pointset_Powerset_Int16_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.93.2.44 int ppl_Pointset_Powerset_Int16_Box_intersection_assign (ppl_Pointset_Powerset_Int16_Box_t *x*, ppl_const_Pointset_Powerset_Int16_Box_t *y*) [related]

7.93.2.45 int ppl_Pointset_Powerset_Int16_Box_upper_bound_assign (ppl_Pointset_Powerset_Int16_Box_t *x*, ppl_const_Pointset_Powerset_Int16_Box_t *y*) [related]

7.93.2.46 int ppl_Pointset_Powerset_Int16_Box_difference_assign (ppl_Pointset_Powerset_Int16_Box_t *x*, ppl_const_Pointset_Powerset_Int16_Box_t *y*) [related]

7.93.2.47 int ppl_Pointset_Powerset_Int16_Box_concatenate_assign (ppl_Pointset_Powerset_Int16_Box_t *x*, ppl_const_Pointset_Powerset_Int16_Box_t *y*) [related]

7.93.2.48 int ppl_Pointset_Powerset_Int16_Box_time_elapse_assign (ppl_Pointset_Powerset_Int16_Box_t *x*, ppl_const_Pointset_Powerset_Int16_Box_t *y*) [related]

7.93.2.49 int ppl_Pointset_Powerset_Int16_Box_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Int16_Box_t *x*, ppl_const_Pointset_Powerset_Int16_Box_t *y*) [related]

7.93.2.50 int ppl_Pointset_Powerset_Int16_Box_simplify_using_context_assign (ppl_Pointset_Powerset_Int16_Box_t *x*, ppl_const_Pointset_Powerset_Int16_Box_t *y*) [related]

7.93.2.51 int ppl_Pointset_Powerset_Int16_Box_constrains (ppl_Pointset_Powerset_Int16_Box_t *ph*, ppl_dimension_type *var*) [related]

7.93.2.52 int ppl_Pointset_Powerset_Int16_Box_unconstrain_space_dimension (ppl_Pointset_Powerset_Int16_Box_t *ph*, ppl_dimension_type *var*) [related]

7.93.2.53 int ppl_Pointset_Powerset_Int16_Box_unconstrain_space_dimensions (ppl_Pointset_Powerset_Int16_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.93.2.54 int ppl_Pointset_Powerset_Int16_Box_affine_image (ppl_Pointset_Powerset_Int16_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.93.2.55 int ppl_Pointset_Powerset_Int16_Box_affine_preimage (ppl_Pointset_Powerset_Int16_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.93.2.56 int ppl_Pointset_Powerset_Int16_Box_bounded_affine_image (ppl_Pointset_Powerset_Int16_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.93.2.57 int ppl_Pointset_Powerset_Int16_Box_bounded_affine_preimage (ppl_Pointset_Powerset_Int16_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.93.2.58 int ppl_Pointset_Powerset_Int16_Box_generalized_affine_image (ppl_Pointset_Powerset_Int16_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.93.2.59 int ppl_Pointset_Powerset_Int16_Box_generalized_affine_preimage (ppl_Pointset_Powerset_Int16_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.93.2.60 int ppl_Pointset_Powerset_Int16_Box_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Int16_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.93.2.61 int ppl_Pointset_Powerset_Int16_Box_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Int16_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.93.2.62 int ppl_Pointset_Powerset_Int16_Box_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Int16_Box_t *ph*, ppl_dimension_type *d*) [related]

7.93.2.63 int ppl_Pointset_Powerset_Int16_Box_add_space_dimensions_and_project (ppl_Pointset_Powerset_Int16_Box_t *ph*, ppl_dimension_type *d*) [related]

7.93.2.64 int ppl_Pointset_Powerset_Int16_Box_remove_space_dimensions (ppl_Pointset_Powerset_Int16_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.93.2.65 int ppl_Pointset_Powerset_Int16_Box_remove_higher_space_dimensions (ppl_Pointset_Powerset_Int16_Box_t *ph*, ppl_dimension_type *d*) [related]

7.93.2.66 int ppl_Pointset_Powerset_Int16_Box_expand_space_dimension (ppl_Pointset_Powerset_Int16_Box_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.93.2.67 int ppl_Pointset_Powerset_Int16_Box_fold_space_dimensions (ppl_Pointset_-Powerset_Int16_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.93.2.68 int ppl_Pointset_Powerset_Int16_Box_map_space_dimensions (ppl_Pointset_Powerset_Int16_Box_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.93.2.69 int ppl_Pointset_Powerset_Int16_Box_drop_some_non_integer_points (ppl_Pointset_Powerset_Int16_Box_t *ph*, int *complexity*) [related]

7.93.2.70 int ppl_Pointset_Powerset_Int16_Box_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Int16_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.93.2.71 int ppl_Pointset_Powerset_Int16_Box_external_memory_in_bytes (ppl_const_Pointset_Powerset_Int16_Box_t *ps*, size_t * *sz*) [related]

7.93.2.72 int ppl_Pointset_Powerset_Int16_Box_total_memory_in_bytes (ppl_const_Pointset_Powerset_Int16_Box_t *ps*, size_t * *sz*) [related]

7.93.2.73 int ppl_Pointset_Powerset_Int16_Box_size (ppl_const_Pointset_Powerset_Int16_Box_t *ps*, size_t * *sz*) [related]

7.93.2.74 int ppl_Pointset_Powerset_Int16_Box_add_disjunct (ppl_Pointset_Powerset_Int16_Box_t *ps*, ppl_const_Int16_Box_t *d*) [related]

7.93.2.75 int ppl_Pointset_Powerset_Int16_Box_drop_disjunct (ppl_Pointset_Powerset_Int16_Box_t *ps*, ppl_const_Pointset_Powerset_Int16_Box_iterator_t *cit*, ppl_Pointset_Powerset_Int16_Box_iterator_t *it*) [related]

7.93.2.76 int ppl_Pointset_Powerset_Int16_Box_drop_disjuncts (ppl_Pointset_Powerset_Int16_Box_t *ps*, ppl_const_Pointset_Powerset_Int16_Box_iterator_t *first*, ppl_const_Pointset_Powerset_Int16_Box_iterator_t *last*) [related]

7.93.2.77 int ppl_io_print_Pointset_Powerset_Int16_Box (ppl_const_Pointset_Powerset_Int16_Box_t *x*) [related]

7.93.2.78 int ppl_io_fprint_Pointset_Powerset_Int16_Box (FILE * *stream*, ppl_const_Pointset_Powerset_Int16_Box_t *x*) [related]

7.93.2.79 int ppl_io_asprint_Pointset_Powerset_Int16_Box (char ** *strp*, ppl_const_Pointset_Powerset_Int16_Box_t *x*) [related]

7.93.2.80 int ppl_Pointset_Powerset_Int16_Box_ascii_dump (ppl_const_Pointset_Powerset_Int16_Box_t *x*, FILE * *stream*) [related]

7.93.2.81 int ppl_Pointset_Powerset_Int16_Box_ascii_load (ppl_Pointset_Powerset_Int16_Box_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.94 ppl_Pointset_Powerset_Int32_Box_const_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Int32_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Int32_Box_const_iterator (ppl_Pointset_Powerset_Int32_Box_const_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Int32_Box_const_iterator_from_const_iterator (ppl_Pointset_Powerset_Int32_Box_const_iterator_t *px, ppl_const_Pointset_Powerset_Int32_Box_const_iterator_t y)
- int ppl_Pointset_Powerset_Int32_Box_const_iterator_begin (ppl_const_Pointset_Powerset_Int32_Box_t ps, ppl_Pointset_Powerset_Int32_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Int32_Box_const_iterator_end (ppl_const_Pointset_Powerset_Int32_Box_t ps, ppl_Pointset_Powerset_Int32_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Int32_Box_const_iterator_equal_test (ppl_const_Pointset_Powerset_Int32_Box_const_iterator_t x, ppl_const_Pointset_Powerset_Int32_Box_const_iterator_t y)
- int ppl_Pointset_Powerset_Int32_Box_const_iterator_increment (ppl_Pointset_Powerset_Int32_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Int32_Box_const_iterator_decrement (ppl_Pointset_Powerset_Int32_Box_const_iterator_t psit)

- int ppl_Pointset_Powerset_Int32_Box_const_iterator_dereference (ppl_const_Pointset_Powerset_-Int32_Box_const_iterator_t ps, ppl_const_Int32_Box_t *d)
- int ppl_delete_Pointset_Powerset_Int32_Box_const_iterator (ppl_const_Pointset_Powerset_Int32_-Box_const_iterator_t psit)

7.94.1 Detailed Description

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Int32_Box_tag.

7.94.2 Friends And Related Function Documentation

7.94.2.1 int ppl_new_Pointset_Powerset_Int32_Box_const_iterator (ppl_Pointset_Powerset_-Int32_Box_const_iterator_t * *pit*) [related]

7.94.2.2 int ppl_new_Pointset_Powerset_Int32_Box_const_iterator_from_const_-iterator (ppl_Pointset_Powerset_Int32_Box_const_iterator_t * *px*, ppl_const_Pointset_Powerset_Int32_Box_const_iterator_t *y*) [related]

7.94.2.3 int ppl_Pointset_Powerset_Int32_Box_const_iterator_begin (ppl_const_Pointset_-Powerset_Int32_Box_t *ps*, ppl_Pointset_Powerset_Int32_Box_const_iterator_t *psit*) [related]

7.94.2.4 int ppl_Pointset_Powerset_Int32_Box_const_iterator_end (ppl_const_Pointset_-Powerset_Int32_Box_t *ps*, ppl_Pointset_Powerset_Int32_Box_const_iterator_t *psit*) [related]

7.94.2.5 int ppl_Pointset_Powerset_Int32_Box_const_iterator_equal_test (ppl_const_Pointset_Powerset_Int32_Box_const_iterator_t *x*, ppl_const_Pointset_Powerset_Int32_Box_const_iterator_t *y*) [related]

7.94.2.6 int ppl_Pointset_Powerset_Int32_Box_const_iterator_increment (ppl_Pointset_Powerset_Int32_Box_const_iterator_t *psit*) [related]

7.94.2.7 int ppl_Pointset_Powerset_Int32_Box_const_iterator_decrement (ppl_Pointset_Powerset_Int32_Box_const_iterator_t *psit*) [related]

7.94.2.8 int ppl_Pointset_Powerset_Int32_Box_const_iterator_dereference (ppl_const_Pointset_Powerset_Int32_Box_const_iterator_t *ps*, ppl_const_Int32_Box_t * *d*) [related]

7.94.2.9 int ppl_delete_Pointset_Powerset_Int32_Box_const_iterator (ppl_const_Pointset_Powerset_Int32_Box_const_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.95 ppl_Pointset_Powerset_Int32_Box_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Int32_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Int32_Box_iterator (ppl_Pointset_Powerset_Int32_Box_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Int32_Box_iterator_from_iterator (ppl_Pointset_Powerset_Int32_Box_iterator_t *px, ppl_const_Pointset_Powerset_Int32_Box_iterator_t y)
- int ppl_Pointset_Powerset_Int32_Box_iterator_begin (ppl_Pointset_Powerset_Int32_Box_t ps, ppl_Pointset_Powerset_Int32_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Int32_Box_iterator_end (ppl_Pointset_Powerset_Int32_Box_t ps, ppl_Pointset_Powerset_Int32_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Int32_Box_iterator_equal_test (ppl_const_Pointset_Powerset_Int32_Box_iterator_t x, ppl_const_Pointset_Powerset_Int32_Box_iterator_t y)
- int ppl_Pointset_Powerset_Int32_Box_iterator_increment (ppl_Pointset_Powerset_Int32_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Int32_Box_iterator_decrement (ppl_Pointset_Powerset_Int32_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Int32_Box_iterator_dereference (ppl_const_Pointset_Powerset_Int32_Box_iterator_t ps, ppl_const_Int32_Box_t *d)
- int ppl_delete_Pointset_Powerset_Int32_Box_iterator (ppl_const_Pointset_Powerset_Int32_Box_iterator_t psit)

7.95.1 Detailed Description

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Int32_Box_tag.

7.95.2 Friends And Related Function Documentation

7.95.2.1 int ppl_new_Pointset_Powerset_Int32_Box_iterator (ppl_Pointset_Powerset_Int32_Box_-iterator_t * *pit*) [related]

7.95.2.2 int ppl_new_Pointset_Powerset_Int32_Box_iterator_from_iterator (ppl_Pointset_-Powerset_Int32_Box_iterator_t * *px*, ppl_const_Pointset_Powerset_Int32_Box_iterator_t *y*) [related]

7.95.2.3 int ppl_Pointset_Powerset_Int32_Box_iterator_begin (ppl_Pointset_-Powerset_Int32_Box_t *ps*, ppl_Pointset_Powerset_Int32_Box_iterator_t *psit*) [related]

7.95.2.4 int ppl_Pointset_Powerset_Int32_Box_iterator_end (ppl_Pointset_Powerset_Int32_Box_t *ps*, ppl_Pointset_Powerset_Int32_Box_iterator_t *psit*) [related]

7.95.2.5 int ppl_Pointset_Powerset_Int32_Box_iterator_equal_test (ppl_const_Pointset_-Powerset_Int32_Box_iterator_t *x*, ppl_const_Pointset_Powerset_Int32_Box_iterator_t *y*) [related]

7.95.2.6 int ppl_Pointset_Powerset_Int32_Box_iterator_increment (ppl_Pointset_Powerset_-Int32_Box_iterator_t *psit*) [related]

7.95.2.7 int ppl_Pointset_Powerset_Int32_Box_iterator_decrement (ppl_Pointset_Powerset_-Int32_Box_iterator_t *psit*) [related]

7.95.2.8 int ppl_Pointset_Powerset_Int32_Box_iterator_dereference (ppl_const_Pointset_Powerset_Int32_Box_iterator_t *ps*, ppl_const_Int32_Box_t * *d*) [related]

7.95.2.9 int ppl_delete_Pointset_Powerset_Int32_Box_iterator (ppl_const_Pointset_Powerset_Int32_Box_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.96 ppl_Pointset_Powerset_Int32_Box_tag Interface Reference

Types and functions for ppl_Pointset_Powerset_Int32_Box_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Pointset_Powerset_Int32_Box (ppl_const_Pointset_Powerset_Int32_Box_t ph)
- int ppl_new_Pointset_Powerset_Int32_Box_from_space_dimension (ppl_Pointset_Powerset_Int32_Box_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Pointset_Powerset_Int32_Box_from_Pointset_Powerset_Int32_Box (ppl_Pointset_Powerset_Int32_Box_t *pph, ppl_const_Pointset_Powerset_Int32_Box_t ph)
- int ppl_new_Pointset_Powerset_Int32_Box_from_Int32_Box (ppl_Pointset_Powerset_Int32_Box_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_Pointset_Powerset_Int32_Box_from_Pointset_Powerset_Int32_Box_with_complexity (ppl_Pointset_Powerset_Int32_Box_t *pph, ppl_const_Pointset_Powerset_Int32_Box_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Int32_Box_from_Int32_Box_with_complexity (ppl_Pointset_Powerset_Int32_Box_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Int32_Box_from_Constraint_System (ppl_Pointset_Powerset_Int32_Box_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Pointset_Powerset_Int32_Box_from_Congruence_System (ppl_Pointset_Powerset_Int32_Box_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Int32_Box_space_dimension (ppl_const_Pointset_Powerset_Int32_Box_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Int32_Box_affine_dimension (ppl_const_Pointset_Powerset_Int32_Box_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Int32_Box_relation_with_Constraint (ppl_const_Pointset_Powerset_Int32_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Int32_Box_relation_with_Generator (ppl_const_Pointset_Powerset_Int32_Box_t ph, ppl_const_Generator_t c)
- int ppl_Pointset_Powerset_Int32_Box_relation_with_Congruence (ppl_const_Pointset_Powerset_Int32_Box_t ph, ppl_const_Congruence_t c)

- int ppl_Pointset_Powerset_Int32_Box_is_empty (ppl_const_Pointset_Powerset_Int32_Box_t ph)
- int ppl_Pointset_Powerset_Int32_Box_is_universe (ppl_const_Pointset_Powerset_Int32_Box_t ph)
- int ppl_Pointset_Powerset_Int32_Box_is_bounded (ppl_const_Pointset_Powerset_Int32_Box_t ph)
- int ppl_Pointset_Powerset_Int32_Box_contains_integer_point (ppl_const_Pointset_Powerset_Int32_Box_t ph)
- int ppl_Pointset_Powerset_Int32_Box_is_topologically_closed (ppl_const_Pointset_Powerset_Int32_Box_t ph)
- int ppl_Pointset_Powerset_Int32_Box_is_discrete (ppl_const_Pointset_Powerset_Int32_Box_t ph)
- int ppl_Pointset_Powerset_Int32_Box_topological_closure_assign (ppl_Pointset_Powerset_Int32_Box_t ph)
- int ppl_Pointset_Powerset_Int32_Box_pairwise_reduce (ppl_Pointset_Powerset_Int32_Box_t ph)
- int ppl_Pointset_Powerset_Int32_Box_omega_reduce (ppl_Pointset_Powerset_Int32_Box_t ph)
- int ppl_Pointset_Powerset_Int32_Box_bounds_from_above (ppl_const_Pointset_Powerset_Int32_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Int32_Box_bounds_from_below (ppl_const_Pointset_Powerset_Int32_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Int32_Box_maximize (ppl_const_Pointset_Powerset_Int32_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Int32_Box_minimize (ppl_const_Pointset_Powerset_Int32_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Int32_Box_maximize_with_point (ppl_const_Pointset_Powerset_Int32_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Int32_Box_minimize_with_point (ppl_const_Pointset_Powerset_Int32_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Int32_Box_contains_Pointset_Powerset_Int32_Box (ppl_const_Pointset_Powerset_Int32_Box_t x, ppl_const_Pointset_Powerset_Int32_Box_t y)
- int ppl_Pointset_Powerset_Int32_Box_strictly_contains_Pointset_Powerset_Int32_Box (ppl_const_Pointset_Powerset_Int32_Box_t x, ppl_const_Pointset_Powerset_Int32_Box_t y)
- int ppl_Pointset_Powerset_Int32_Box_is_disjoint_from_Pointset_Powerset_Int32_Box (ppl_const_Pointset_Powerset_Int32_Box_t x, ppl_const_Pointset_Powerset_Int32_Box_t y)
- int ppl_Pointset_Powerset_Int32_Box_geometrically_covers_Pointset_Powerset_Int32_Box (ppl_const_Pointset_Powerset_Int32_Box_t x, ppl_const_Pointset_Powerset_Int32_Box_t y)
- int ppl_Pointset_Powerset_Int32_Box_geometrically_equals_Pointset_Powerset_Int32_Box (ppl_const_Pointset_Powerset_Int32_Box_t x, ppl_const_Pointset_Powerset_Int32_Box_t y)
- int ppl_Pointset_Powerset_Int32_Box_equals_Pointset_Powerset_Int32_Box (ppl_const_Pointset_Powerset_Int32_Box_t x, ppl_const_Pointset_Powerset_Int32_Box_t y)
- int ppl_Pointset_Powerset_Int32_Box_OK (ppl_const_Pointset_Powerset_Int32_Box_t ph)
- int ppl_Pointset_Powerset_Int32_Box_add_constraint (ppl_Pointset_Powerset_Int32_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Int32_Box_add_congruence (ppl_Pointset_Powerset_Int32_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Int32_Box_add_constraints (ppl_Pointset_Powerset_Int32_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Int32_Box_add_congruences (ppl_Pointset_Powerset_Int32_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Int32_Box_refine_with_constraint (ppl_Pointset_Powerset_Int32_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Int32_Box_refine_with_congruence (ppl_Pointset_Powerset_Int32_Box_t ph, ppl_const_Congruence_t c)

- int ppl_Pointset_Powerset_Int32_Box_refine_with_constraints (ppl_Pointset_Powerset_Int32_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Int32_Box_refine_with_congruences (ppl_Pointset_Powerset_Int32_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Int32_Box_intersection_assign (ppl_Pointset_Powerset_Int32_Box_t x, ppl_const_Pointset_Powerset_Int32_Box_t y)
- int ppl_Pointset_Powerset_Int32_Box_upper_bound_assign (ppl_Pointset_Powerset_Int32_Box_t x, ppl_const_Pointset_Powerset_Int32_Box_t y)
- int ppl_Pointset_Powerset_Int32_Box_difference_assign (ppl_Pointset_Powerset_Int32_Box_t x, ppl_const_Pointset_Powerset_Int32_Box_t y)
- int ppl_Pointset_Powerset_Int32_Box_concatenate_assign (ppl_Pointset_Powerset_Int32_Box_t x, ppl_const_Pointset_Powerset_Int32_Box_t y)
- int ppl_Pointset_Powerset_Int32_Box_time_elapse_assign (ppl_Pointset_Powerset_Int32_Box_t x, ppl_const_Pointset_Powerset_Int32_Box_t y)
- int ppl_Pointset_Powerset_Int32_Box_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Int32_Box_t x, ppl_const_Pointset_Powerset_Int32_Box_t y)
- int ppl_Pointset_Powerset_Int32_Box_simplify_using_context_assign (ppl_Pointset_Powerset_Int32_Box_t x, ppl_const_Pointset_Powerset_Int32_Box_t y)
- int ppl_Pointset_Powerset_Int32_Box_constrains (ppl_Pointset_Powerset_Int32_Box_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Int32_Box_unconstrain_space_dimension (ppl_Pointset_Powerset_Int32_Box_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Int32_Box_unconstrain_space_dimensions (ppl_Pointset_Powerset_Int32_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Int32_Box_affine_image (ppl_Pointset_Powerset_Int32_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Int32_Box_affine_preimage (ppl_Pointset_Powerset_Int32_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Int32_Box_bounded_affine_image (ppl_Pointset_Powerset_Int32_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Int32_Box_bounded_affine_preimage (ppl_Pointset_Powerset_Int32_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Int32_Box_generalized_affine_image (ppl_Pointset_Powerset_Int32_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Int32_Box_generalized_affine_preimage (ppl_Pointset_Powerset_Int32_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Int32_Box_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Int32_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Int32_Box_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Int32_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Int32_Box_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Int32_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Int32_Box_add_space_dimensions_and_project (ppl_Pointset_Powerset_Int32_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Int32_Box_remove_space_dimensions (ppl_Pointset_Powerset_Int32_Box_t ph, ppl_dimension_type ds[ ], size_t n)

- int ppl_Pointset_Powerset_Int32_Box_remove_higher_space_dimensions (ppl_Pointset_Powerset_Int32_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Int32_Box_expand_space_dimension (ppl_Pointset_Powerset_Int32_Box_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Pointset_Powerset_Int32_Box_fold_space_dimensions (ppl_Pointset_Powerset_Int32_Box_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Int32_Box_map_space_dimensions (ppl_Pointset_Powerset_Int32_Box_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Pointset_Powerset_Int32_Box_drop_some_non_integer_points (ppl_Pointset_Powerset_Int32_Box_t ph, int complexity)
- int ppl_Pointset_Powerset_Int32_Box_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Int32_Box_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Pointset_Powerset_Int32_Box_external_memory_in_bytes (ppl_const_Pointset_Powerset_Int32_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Int32_Box_total_memory_in_bytes (ppl_const_Pointset_Powerset_Int32_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Int32_Box_size (ppl_const_Pointset_Powerset_Int32_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Int32_Box_add_disjunct (ppl_Pointset_Powerset_Int32_Box_t ps, ppl_const_Int32_Box_t d)
- int ppl_Pointset_Powerset_Int32_Box_drop_disjunct (ppl_Pointset_Powerset_Int32_Box_t ps, ppl_const_Pointset_Powerset_Int32_Box_iterator_t cit, ppl_Pointset_Powerset_Int32_Box_iterator_t it)
- int ppl_Pointset_Powerset_Int32_Box_drop_disjuncts (ppl_Pointset_Powerset_Int32_Box_t ps, ppl_const_Pointset_Powerset_Int32_Box_iterator_t first, ppl_const_Pointset_Powerset_Int32_Box_iterator_t last)
- int ppl_io_print_Pointset_Powerset_Int32_Box (ppl_const_Pointset_Powerset_Int32_Box_t x)
- int ppl_io_fprint_Pointset_Powerset_Int32_Box (FILE *stream, ppl_const_Pointset_Powerset_Int32_Box_t x)
- int ppl_io_asprint_Pointset_Powerset_Int32_Box (char **strp, ppl_const_Pointset_Powerset_Int32_Box_t x)
- int ppl_Pointset_Powerset_Int32_Box_ascii_dump (ppl_const_Pointset_Powerset_Int32_Box_t x, FILE *stream)
- int ppl_Pointset_Powerset_Int32_Box_ascii_load (ppl_Pointset_Powerset_Int32_Box_t x, FILE *stream)

7.96.1 Detailed Description

Types and functions for ppl_Pointset_Powerset_Int32_Box_tag.

7.96.2 Friends And Related Function Documentation

7.96.2.1 int ppl_delete_Pointset_Powerset_Int32_Box (ppl_const_Pointset_Powerset_Int32_Box_t *ph*) [related]

7.96.2.2 int ppl_new_Pointset_Powerset_Int32_Box_from_space_dimension (ppl_Pointset_Powerset_Int32_Box_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.96.2.3 int ppl_new_Pointset_Powerset_Int32_Box_from_Pointset_Powerset_Int32_Box (ppl_Pointset_Powerset_Int32_Box_t * *pph*, ppl_const_Pointset_Powerset_Int32_Box_t *ph*) [related]

7.96.2.4 int ppl_new_Pointset_Powerset_Int32_Box_from_Int32_Box (ppl_Pointset_Powerset_Int32_Box_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.96.2.5 int ppl_new_Pointset_Powerset_Int32_Box_from_Pointset_Powerset_Int32_Box_with_complexity (ppl_Pointset_Powerset_Int32_Box_t * *pph*, ppl_const_Pointset_Powerset_Int32_Box_t *ph*, int *complexity*) [related]

7.96.2.6 int ppl_new_Pointset_Powerset_Int32_Box_from_Int32_Box_with_complexity (ppl_Pointset_Powerset_Int32_Box_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.96.2.7 int ppl_new_Pointset_Powerset_Int32_Box_from_Constraint_System (ppl_Pointset_Powerset_Int32_Box_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.96.2.8 int ppl_new_Pointset_Powerset_Int32_Box_from_Congruence_System (ppl_Pointset_Powerset_Int32_Box_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.96.2.9 int ppl_Pointset_Powerset_Int32_Box_space_dimension (ppl_const_Pointset_Powerset_Int32_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.96.2.10 int ppl_Pointset_Powerset_Int32_Box_affine_dimension (ppl_const_Pointset_Powerset_Int32_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.96.2.11 int ppl_Pointset_Powerset_Int32_Box_relation_with_Constraint (ppl_const_Pointset_Powerset_Int32_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.96.2.12 int ppl_Pointset_Powerset_Int32_Box_relation_with_Generator (ppl_const_Pointset_Powerset_Int32_Box_t *ph*, ppl_const_Generator_t *c*) [related]

7.96.2.13 int ppl_Pointset_Powerset_Int32_Box_relation_with_Congruence (ppl_const_Pointset_Powerset_Int32_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.96.2.14 int ppl_Pointset_Powerset_Int32_Box_is_empty (ppl_const_Pointset_Powerset_Int32_Box_t *ph*) [related]

7.96.2.15 int ppl_Pointset_Powerset_Int32_Box_is_universe (ppl_const_Pointset_Powerset_Int32_Box_t *ph*) [related]

7.96.2.16 int ppl_Pointset_Powerset_Int32_Box_is_bounded (ppl_const_Pointset_Powerset_Int32_Box_t *ph*) [related]

7.96.2.17 int ppl_Pointset_Powerset_Int32_Box_contains_integer_point (ppl_const_Pointset_Powerset_Int32_Box_t *ph*) [related]

7.96.2.18 int ppl_Pointset_Powerset_Int32_Box_is_topologically_closed (ppl_const_Pointset_Powerset_Int32_Box_t *ph*) [related]

7.96.2.19 int ppl_Pointset_Powerset_Int32_Box_is_discrete (ppl_const_Pointset_Powerset_Int32_Box_t *ph*) [related]

7.96.2.20 int ppl_Pointset_Powerset_Int32_Box_topological_closure_assign (ppl_Pointset_Powerset_Int32_Box_t *ph*) [related]

7.96.2.21 int ppl_Pointset_Powerset_Int32_Box_pairwise_reduce (ppl_Pointset_Powerset_Int32_Box_t *ph*) [related]

7.96.2.22 int ppl_Pointset_Powerset_Int32_Box_omega_reduce (ppl_Pointset_Powerset_Int32_Box_t *ph*) [related]

7.96.2.23 int ppl_Pointset_Powerset_Int32_Box_bounds_from_above (ppl_const_Pointset_Powerset_Int32_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.96.2.24 int ppl_Pointset_Powerset_Int32_Box_bounds_from_below (ppl_const_Pointset_Powerset_Int32_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.96.2.25 int ppl_Pointset_Powerset_Int32_Box_maximize (ppl_const_Pointset_Powerset_Int32_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.96.2.26 int ppl_Pointset_Powerset_Int32_Box_minimize (ppl_const_Pointset_Powerset_Int32_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.96.2.27 int ppl_Pointset_Powerset_Int32_Box_maximize_with_point (ppl_const_Pointset_Powerset_Int32_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.96.2.28 int ppl_Pointset_Powerset_Int32_Box_minimize_with_point (ppl_const_Pointset_Powerset_Int32_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.96.2.29 int ppl_Pointset_Powerset_Int32_Box_contains_Pointset_Powerset_Int32_Box (ppl_const_Pointset_Powerset_Int32_Box_t *x*, ppl_const_Pointset_Powerset_Int32_Box_t *y*) [related]

7.96.2.30 int ppl_Pointset_Powerset_Int32_Box_strictly_contains_Pointset_Powerset_Int32_Box (ppl_const_Pointset_Powerset_Int32_Box_t *x*, ppl_const_Pointset_Powerset_Int32_Box_t *y*) [related]

7.96.2.31 int ppl_Pointset_Powerset_Int32_Box_is_disjoint_from_Pointset_Powerset_Int32_Box (ppl_const_Pointset_Powerset_Int32_Box_t *x*, ppl_const_Pointset_Powerset_Int32_Box_t *y*) [related]

7.96.2.32 int ppl_Pointset_Powerset_Int32_Box_geometrically_covers_Pointset_Powerset_Int32_Box (ppl_const_Pointset_Powerset_Int32_Box_t *x*, ppl_const_Pointset_Powerset_Int32_Box_t *y*) [related]

7.96.2.33 int ppl_Pointset_Powerset_Int32_Box_geometrically_equals_Pointset_Powerset_Int32_Box (ppl_const_Pointset_Powerset_Int32_Box_t *x*, ppl_const_Pointset_Powerset_Int32_Box_t *y*) [related]

7.96.2.34 int ppl_Pointset_Powerset_Int32_Box_equals_Pointset_Powerset_Int32_Box (ppl_const_Pointset_Powerset_Int32_Box_t *x*, ppl_const_Pointset_Powerset_Int32_Box_t *y*) [related]

7.96.2.35 int ppl_Pointset_Powerset_Int32_Box_OK (ppl_const_Pointset_Powerset_Int32_Box_t *ph*) [related]

7.96.2.36 int ppl_Pointset_Powerset_Int32_Box_add_constraint (ppl_Pointset_Powerset_Int32_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.96.2.37 int ppl_Pointset_Powerset_Int32_Box_add_congruence (ppl_Pointset_Powerset_Int32_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.96.2.38 int ppl_Pointset_Powerset_Int32_Box_add_constraints (ppl_Pointset_Powerset_Int32_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.96.2.39 int ppl_Pointset_Powerset_Int32_Box_add_congruences (ppl_Pointset_Powerset_Int32_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.96.2.40 int ppl_Pointset_Powerset_Int32_Box_refine_with_constraint (ppl_Pointset_Powerset_Int32_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.96.2.41 int ppl_Pointset_Powerset_Int32_Box_refine_with_congruence (ppl_Pointset_Powerset_Int32_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.96.2.42 int ppl_Pointset_Powerset_Int32_Box_refine_with_constraints (ppl_Pointset_Powerset_Int32_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.96.2.43 int ppl_Pointset_Powerset_Int32_Box_refine_with_congruences (ppl_Pointset_Powerset_Int32_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.96.2.44 int ppl_Pointset_Powerset_Int32_Box_intersection_assign (ppl_Pointset_Powerset_Int32_Box_t *x*, ppl_const_Pointset_Powerset_Int32_Box_t *y*) [related]

7.96.2.45 int ppl_Pointset_Powerset_Int32_Box_upper_bound_assign (ppl_Pointset_Powerset_Int32_Box_t *x*, ppl_const_Pointset_Powerset_Int32_Box_t *y*) [related]

7.96.2.46 int ppl_Pointset_Powerset_Int32_Box_difference_assign (ppl_Pointset_Powerset_Int32_Box_t *x*, ppl_const_Pointset_Powerset_Int32_Box_t *y*) [related]

7.96.2.47 int ppl_Pointset_Powerset_Int32_Box_concatenate_assign (ppl_Pointset_Powerset_Int32_Box_t *x*, ppl_const_Pointset_Powerset_Int32_Box_t *y*) [related]

7.96.2.48 int ppl_Pointset_Powerset_Int32_Box_time_elapse_assign (ppl_Pointset_Powerset_Int32_Box_t *x*, ppl_const_Pointset_Powerset_Int32_Box_t *y*) [related]

7.96.2.49 int ppl_Pointset_Powerset_Int32_Box_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Int32_Box_t *x*, ppl_const_Pointset_Powerset_Int32_Box_t *y*) [related]

7.96.2.50 int ppl_Pointset_Powerset_Int32_Box_simplify_using_context_assign (ppl_Pointset_Powerset_Int32_Box_t *x*, ppl_const_Pointset_Powerset_Int32_Box_t *y*) [related]

7.96.2.51 int ppl_Pointset_Powerset_Int32_Box_constrains (ppl_Pointset_Powerset_Int32_Box_t *ph*, ppl_dimension_type *var*) [related]

7.96.2.52 int ppl_Pointset_Powerset_Int32_Box_unconstrain_space_dimension (ppl_Pointset_Powerset_Int32_Box_t *ph*, ppl_dimension_type *var*) [related]

7.96.2.53 int ppl_Pointset_Powerset_Int32_Box_unconstrain_space_dimensions (ppl_Pointset_Powerset_Int32_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.96.2.54 int ppl_Pointset_Powerset_Int32_Box_affine_image (ppl_Pointset_Powerset_Int32_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.96.2.55 int ppl_Pointset_Powerset_Int32_Box_affine_preimage (ppl_Pointset_Powerset_Int32_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.96.2.56 int ppl_Pointset_Powerset_Int32_Box_bounded_affine_image (ppl_Pointset_Powerset_Int32_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.96.2.57 int ppl_Pointset_Powerset_Int32_Box_bounded_affine_preimage (ppl_Pointset_Powerset_Int32_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.96.2.58 int ppl_Pointset_Powerset_Int32_Box_generalized_affine_image (ppl_Pointset_Powerset_Int32_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.96.2.59 int ppl_Pointset_Powerset_Int32_Box_generalized_affine_preimage (ppl_Pointset_Powerset_Int32_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.96.2.60 int ppl_Pointset_Powerset_Int32_Box_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Int32_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.96.2.61 int ppl_Pointset_Powerset_Int32_Box_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Int32_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.96.2.62 int ppl_Pointset_Powerset_Int32_Box_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Int32_Box_t *ph*, ppl_dimension_type *d*) [related]

7.96.2.63 int ppl_Pointset_Powerset_Int32_Box_add_space_dimensions_and_project (ppl_Pointset_Powerset_Int32_Box_t *ph*, ppl_dimension_type *d*) [related]

7.96.2.64 int ppl_Pointset_Powerset_Int32_Box_remove_space_dimensions (ppl_Pointset_Powerset_Int32_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.96.2.65 int ppl_Pointset_Powerset_Int32_Box_remove_higher_space_dimensions (ppl_Pointset_Powerset_Int32_Box_t *ph*, ppl_dimension_type *d*) [related]

7.96.2.66 int ppl_Pointset_Powerset_Int32_Box_expand_space_dimension (ppl_Pointset_Powerset_Int32_Box_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.96.2.67 int ppl_Pointset_Powerset_Int32_Box_fold_space_dimensions (ppl_Pointset_-Powerset_Int32_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.96.2.68 int ppl_Pointset_Powerset_Int32_Box_map_space_dimensions (ppl_Pointset_Powerset_Int32_Box_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.96.2.69 int ppl_Pointset_Powerset_Int32_Box_drop_some_non_integer_points (ppl_Pointset_Powerset_Int32_Box_t *ph*, int *complexity*) [related]

7.96.2.70 int ppl_Pointset_Powerset_Int32_Box_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Int32_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.96.2.71 int ppl_Pointset_Powerset_Int32_Box_external_memory_in_bytes (ppl_const_Pointset_Powerset_Int32_Box_t *ps*, size_t * *sz*) [related]

7.96.2.72 int ppl_Pointset_Powerset_Int32_Box_total_memory_in_bytes (ppl_const_Pointset_Powerset_Int32_Box_t *ps*, size_t * *sz*) [related]

7.96.2.73 int ppl_Pointset_Powerset_Int32_Box_size (ppl_const_Pointset_Powerset_Int32_Box_t *ps*, size_t * *sz*) [related]

7.96.2.74 int ppl_Pointset_Powerset_Int32_Box_add_disjunct (ppl_Pointset_Powerset_Int32_Box_t *ps*, ppl_const_Int32_Box_t *d*) [related]

7.96.2.75 int ppl_Pointset_Powerset_Int32_Box_drop_disjunct (ppl_Pointset_Powerset_Int32_Box_t *ps*, ppl_const_Pointset_Powerset_Int32_Box_iterator_t *cit*, ppl_Pointset_Powerset_Int32_Box_iterator_t *it*) [related]

7.96.2.76 int ppl_Pointset_Powerset_Int32_Box_drop_disjuncts (ppl_Pointset_Powerset_Int32_Box_t *ps*, ppl_const_Pointset_Powerset_Int32_Box_iterator_t *first*, ppl_const_Pointset_Powerset_Int32_Box_iterator_t *last*) [related]

7.96.2.77 int ppl_io_print_Pointset_Powerset_Int32_Box (ppl_const_Pointset_Powerset_Int32_Box_t *x*) [related]

7.96.2.78 int ppl_io_fprint_Pointset_Powerset_Int32_Box (FILE * *stream*, ppl_const_Pointset_Powerset_Int32_Box_t *x*) [related]

7.96.2.79 int ppl_io_asprint_Pointset_Powerset_Int32_Box (char ** *strp*, ppl_const_Pointset_Powerset_Int32_Box_t *x*) [related]

7.96.2.80 int ppl_Pointset_Powerset_Int32_Box_ascii_dump (ppl_const_Pointset_Powerset_Int32_Box_t *x*, FILE * *stream*) [related]

7.96.2.81 int ppl_Pointset_Powerset_Int32_Box_ascii_load (ppl_Pointset_Powerset_Int32_Box_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.97 ppl_Pointset_Powerset_Int64_Box_const_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Int64_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Int64_Box_const_iterator (ppl_Pointset_Powerset_Int64_Box_const_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Int64_Box_const_iterator_from_const_iterator (ppl_Pointset_Powerset_Int64_Box_const_iterator_t *px, ppl_const_Pointset_Powerset_Int64_Box_const_iterator_t y)
- int ppl_Pointset_Powerset_Int64_Box_const_iterator_begin (ppl_const_Pointset_Powerset_Int64_Box_t ps, ppl_Pointset_Powerset_Int64_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Int64_Box_const_iterator_end (ppl_const_Pointset_Powerset_Int64_Box_t ps, ppl_Pointset_Powerset_Int64_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Int64_Box_const_iterator_equal_test (ppl_const_Pointset_Powerset_Int64_Box_const_iterator_t x, ppl_const_Pointset_Powerset_Int64_Box_const_iterator_t y)

- int ppl_Pointset_Powerset_Int64_Box_const_iterator_increment (ppl_Pointset_Powerset_Int64_-Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Int64_Box_const_iterator_decrement (ppl_Pointset_Powerset_Int64_-Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Int64_Box_const_iterator_dereference (ppl_const_Pointset_Powerset_-Int64_Box_const_iterator_t ps, ppl_const_Int64_Box_t *d)
- int ppl_delete_Pointset_Powerset_Int64_Box_const_iterator (ppl_const_Pointset_Powerset_Int64_-Box_const_iterator_t psit)

7.97.1 Detailed Description

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Int64_Box_tag.

7.97.2 Friends And Related Function Documentation

7.97.2.1 int ppl_new_Pointset_Powerset_Int64_Box_const_iterator (ppl_Pointset_Powerset_-Int64_Box_const_iterator_t * *pit*) [related]

7.97.2.2 int ppl_new_Pointset_Powerset_Int64_Box_const_iterator_from_const_-iterator (ppl_Pointset_Powerset_Int64_Box_const_iterator_t * *px*, ppl_const_Pointset_Powerset_Int64_Box_const_iterator_t *y*) [related]

7.97.2.3 int ppl_Pointset_Powerset_Int64_Box_const_iterator_begin (ppl_const_Pointset_-Powerset_Int64_Box_t *ps*, ppl_Pointset_Powerset_Int64_Box_const_iterator_t *psit*) [related]

7.97.2.4 int ppl_Pointset_Powerset_Int64_Box_const_iterator_end (ppl_const_Pointset_-Powerset_Int64_Box_t *ps*, ppl_Pointset_Powerset_Int64_Box_const_iterator_t *psit*) [related]

7.97.2.5 int ppl_Pointset_Powerset_Int64_Box_const_iterator_equal_test (ppl_const_Pointset_Powerset_Int64_Box_const_iterator_t *x*, ppl_const_Pointset_Powerset_Int64_Box_const_iterator_t *y*) [related]

7.97.2.6 int ppl_Pointset_Powerset_Int64_Box_const_iterator_increment (ppl_Pointset_Powerset_Int64_Box_const_iterator_t *psit*) [related]

7.97.2.7 int ppl_Pointset_Powerset_Int64_Box_const_iterator_decrement (ppl_Pointset_Powerset_Int64_Box_const_iterator_t *psit*) [related]

7.97.2.8 int ppl_Pointset_Powerset_Int64_Box_const_iterator_dereference (ppl_const_Pointset_Powerset_Int64_Box_const_iterator_t *ps*, ppl_const_Int64_Box_t * *d*) [related]

7.97.2.9 int ppl_delete_Pointset_Powerset_Int64_Box_const_iterator (ppl_const_Pointset_Powerset_Int64_Box_const_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.98 ppl_Pointset_Powerset_Int64_Box_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Int64_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Int64_Box_iterator (ppl_Pointset_Powerset_Int64_Box_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Int64_Box_iterator_from_iterator (ppl_Pointset_Powerset_Int64_Box_iterator_t *px, ppl_const_Pointset_Powerset_Int64_Box_iterator_t y)
- int ppl_Pointset_Powerset_Int64_Box_iterator_begin (ppl_Pointset_Powerset_Int64_Box_t ps, ppl_Pointset_Powerset_Int64_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Int64_Box_iterator_end (ppl_Pointset_Powerset_Int64_Box_t ps, ppl_Pointset_Powerset_Int64_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Int64_Box_iterator_equal_test (ppl_const_Pointset_Powerset_Int64_Box_iterator_t x, ppl_const_Pointset_Powerset_Int64_Box_iterator_t y)
- int ppl_Pointset_Powerset_Int64_Box_iterator_increment (ppl_Pointset_Powerset_Int64_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Int64_Box_iterator_decrement (ppl_Pointset_Powerset_Int64_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Int64_Box_iterator_dereference (ppl_const_Pointset_Powerset_Int64_Box_iterator_t ps, ppl_const_Int64_Box_t *d)
- int ppl_delete_Pointset_Powerset_Int64_Box_iterator (ppl_const_Pointset_Powerset_Int64_Box_iterator_t psit)

7.98.1 Detailed Description

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Int64_Box_tag.

7.98.2 Friends And Related Function Documentation

7.98.2.1 int ppl_new_Pointset_Powerset_Int64_Box_iterator (ppl_Pointset_Powerset_Int64_Box_-iterator_t * *pit*) [related]

7.98.2.2 int ppl_new_Pointset_Powerset_Int64_Box_iterator_from_iterator (ppl_Pointset_-Powerset_Int64_Box_iterator_t * *px*, ppl_const_Pointset_Powerset_Int64_Box_iterator_t *y*) [related]

7.98.2.3 int ppl_Pointset_Powerset_Int64_Box_iterator_begin (ppl_Pointset_-Powerset_Int64_Box_t *ps*, ppl_Pointset_Powerset_Int64_Box_iterator_t *psit*) [related]

7.98.2.4 int ppl_Pointset_Powerset_Int64_Box_iterator_end (ppl_Pointset_Powerset_Int64_Box_t *ps*, ppl_Pointset_Powerset_Int64_Box_iterator_t *psit*) [related]

7.98.2.5 int ppl_Pointset_Powerset_Int64_Box_iterator_equal_test (ppl_const_Pointset_-Powerset_Int64_Box_iterator_t *x*, ppl_const_Pointset_Powerset_Int64_Box_iterator_t *y*) [related]

7.98.2.6 int ppl_Pointset_Powerset_Int64_Box_iterator_increment (ppl_Pointset_Powerset_-Int64_Box_iterator_t *psit*) [related]

7.98.2.7 int ppl_Pointset_Powerset_Int64_Box_iterator_decrement (ppl_Pointset_Powerset_-Int64_Box_iterator_t *psit*) [related]

7.98.2.8 int ppl_Pointset_Powerset_Int64_Box_iterator_dereference (ppl_const_Pointset_Powerset_Int64_Box_iterator_t *ps*, ppl_const_Int64_Box_t * *d*) [related]

7.98.2.9 int ppl_delete_Pointset_Powerset_Int64_Box_iterator (ppl_const_Pointset_Powerset_Int64_Box_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.99 ppl_Pointset_Powerset_Int64_Box_tag Interface Reference

Types and functions for ppl_Pointset_Powerset_Int64_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Pointset_Powerset_Int64_Box (ppl_const_Pointset_Powerset_Int64_Box_t ph)
- int ppl_new_Pointset_Powerset_Int64_Box_from_space_dimension (ppl_Pointset_Powerset_Int64_Box_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Pointset_Powerset_Int64_Box_from_Pointset_Powerset_Int64_Box (ppl_Pointset_Powerset_Int64_Box_t *pph, ppl_const_Pointset_Powerset_Int64_Box_t ph)
- int ppl_new_Pointset_Powerset_Int64_Box_from_Int64_Box (ppl_Pointset_Powerset_Int64_Box_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_Pointset_Powerset_Int64_Box_from_Pointset_Powerset_Int64_Box_with_complexity (ppl_Pointset_Powerset_Int64_Box_t *pph, ppl_const_Pointset_Powerset_Int64_Box_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Int64_Box_from_Int64_Box_with_complexity (ppl_Pointset_Powerset_Int64_Box_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Int64_Box_from_Constraint_System (ppl_Pointset_Powerset_Int64_Box_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Pointset_Powerset_Int64_Box_from_Congruence_System (ppl_Pointset_Powerset_Int64_Box_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Int64_Box_space_dimension (ppl_const_Pointset_Powerset_Int64_Box_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Int64_Box_affine_dimension (ppl_const_Pointset_Powerset_Int64_Box_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Int64_Box_relation_with_Constraint (ppl_const_Pointset_Powerset_Int64_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Int64_Box_relation_with_Generator (ppl_const_Pointset_Powerset_Int64_Box_t ph, ppl_const_Generator_t c)
- int ppl_Pointset_Powerset_Int64_Box_relation_with_Congruence (ppl_const_Pointset_Powerset_Int64_Box_t ph, ppl_const_Congruence_t c)

- int ppl_Pointset_Powerset_Int64_Box_is_empty (ppl_const_Pointset_Powerset_Int64_Box_t ph)
- int ppl_Pointset_Powerset_Int64_Box_is_universe (ppl_const_Pointset_Powerset_Int64_Box_t ph)
- int ppl_Pointset_Powerset_Int64_Box_is_bounded (ppl_const_Pointset_Powerset_Int64_Box_t ph)
- int ppl_Pointset_Powerset_Int64_Box_contains_integer_point (ppl_const_Pointset_Powerset_Int64_Box_t ph)
- int ppl_Pointset_Powerset_Int64_Box_is_topologically_closed (ppl_const_Pointset_Powerset_Int64_Box_t ph)
- int ppl_Pointset_Powerset_Int64_Box_is_discrete (ppl_const_Pointset_Powerset_Int64_Box_t ph)
- int ppl_Pointset_Powerset_Int64_Box_topological_closure_assign (ppl_Pointset_Powerset_Int64_Box_t ph)
- int ppl_Pointset_Powerset_Int64_Box_pairwise_reduce (ppl_Pointset_Powerset_Int64_Box_t ph)
- int ppl_Pointset_Powerset_Int64_Box_omega_reduce (ppl_Pointset_Powerset_Int64_Box_t ph)
- int ppl_Pointset_Powerset_Int64_Box_bounds_from_above (ppl_const_Pointset_Powerset_Int64_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Int64_Box_bounds_from_below (ppl_const_Pointset_Powerset_Int64_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Int64_Box_maximize (ppl_const_Pointset_Powerset_Int64_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Int64_Box_minimize (ppl_const_Pointset_Powerset_Int64_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Int64_Box_maximize_with_point (ppl_const_Pointset_Powerset_Int64_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Int64_Box_minimize_with_point (ppl_const_Pointset_Powerset_Int64_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Int64_Box_contains_Pointset_Powerset_Int64_Box (ppl_const_Pointset_Powerset_Int64_Box_t x, ppl_const_Pointset_Powerset_Int64_Box_t y)
- int ppl_Pointset_Powerset_Int64_Box_strictly_contains_Pointset_Powerset_Int64_Box (ppl_const_Pointset_Powerset_Int64_Box_t x, ppl_const_Pointset_Powerset_Int64_Box_t y)
- int ppl_Pointset_Powerset_Int64_Box_is_disjoint_from_Pointset_Powerset_Int64_Box (ppl_const_Pointset_Powerset_Int64_Box_t x, ppl_const_Pointset_Powerset_Int64_Box_t y)
- int ppl_Pointset_Powerset_Int64_Box_geometrically_covers_Pointset_Powerset_Int64_Box (ppl_const_Pointset_Powerset_Int64_Box_t x, ppl_const_Pointset_Powerset_Int64_Box_t y)
- int ppl_Pointset_Powerset_Int64_Box_geometrically_equals_Pointset_Powerset_Int64_Box (ppl_const_Pointset_Powerset_Int64_Box_t x, ppl_const_Pointset_Powerset_Int64_Box_t y)
- int ppl_Pointset_Powerset_Int64_Box_equals_Pointset_Powerset_Int64_Box (ppl_const_Pointset_Powerset_Int64_Box_t x, ppl_const_Pointset_Powerset_Int64_Box_t y)
- int ppl_Pointset_Powerset_Int64_Box_OK (ppl_const_Pointset_Powerset_Int64_Box_t ph)
- int ppl_Pointset_Powerset_Int64_Box_add_constraint (ppl_Pointset_Powerset_Int64_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Int64_Box_add_congruence (ppl_Pointset_Powerset_Int64_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Int64_Box_add_constraints (ppl_Pointset_Powerset_Int64_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Int64_Box_add_congruences (ppl_Pointset_Powerset_Int64_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Int64_Box_refine_with_constraint (ppl_Pointset_Powerset_Int64_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Int64_Box_refine_with_congruence (ppl_Pointset_Powerset_Int64_Box_t ph, ppl_const_Congruence_t c)

- int ppl_Pointset_Powerset_Int64_Box_refine_with_constraints (ppl_Pointset_Powerset_Int64_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Int64_Box_refine_with_congruences (ppl_Pointset_Powerset_Int64_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Int64_Box_intersection_assign (ppl_Pointset_Powerset_Int64_Box_t x, ppl_const_Pointset_Powerset_Int64_Box_t y)
- int ppl_Pointset_Powerset_Int64_Box_upper_bound_assign (ppl_Pointset_Powerset_Int64_Box_t x, ppl_const_Pointset_Powerset_Int64_Box_t y)
- int ppl_Pointset_Powerset_Int64_Box_difference_assign (ppl_Pointset_Powerset_Int64_Box_t x, ppl_const_Pointset_Powerset_Int64_Box_t y)
- int ppl_Pointset_Powerset_Int64_Box_concatenate_assign (ppl_Pointset_Powerset_Int64_Box_t x, ppl_const_Pointset_Powerset_Int64_Box_t y)
- int ppl_Pointset_Powerset_Int64_Box_time_elapse_assign (ppl_Pointset_Powerset_Int64_Box_t x, ppl_const_Pointset_Powerset_Int64_Box_t y)
- int ppl_Pointset_Powerset_Int64_Box_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Int64_Box_t x, ppl_const_Pointset_Powerset_Int64_Box_t y)
- int ppl_Pointset_Powerset_Int64_Box_simplify_using_context_assign (ppl_Pointset_Powerset_Int64_Box_t x, ppl_const_Pointset_Powerset_Int64_Box_t y)
- int ppl_Pointset_Powerset_Int64_Box_constrains (ppl_Pointset_Powerset_Int64_Box_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Int64_Box_unconstrain_space_dimension (ppl_Pointset_Powerset_Int64_Box_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Int64_Box_unconstrain_space_dimensions (ppl_Pointset_Powerset_Int64_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Int64_Box_affine_image (ppl_Pointset_Powerset_Int64_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Int64_Box_affine_preimage (ppl_Pointset_Powerset_Int64_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Int64_Box_bounded_affine_image (ppl_Pointset_Powerset_Int64_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Int64_Box_bounded_affine_preimage (ppl_Pointset_Powerset_Int64_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Int64_Box_generalized_affine_image (ppl_Pointset_Powerset_Int64_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Int64_Box_generalized_affine_preimage (ppl_Pointset_Powerset_Int64_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Int64_Box_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Int64_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Int64_Box_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Int64_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Int64_Box_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Int64_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Int64_Box_add_space_dimensions_and_project (ppl_Pointset_Powerset_Int64_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Int64_Box_remove_space_dimensions (ppl_Pointset_Powerset_Int64_Box_t ph, ppl_dimension_type ds[ ], size_t n)

- int ppl_Pointset_Powerset_Int64_Box_remove_higher_space_dimensions (ppl_Pointset_Powerset_Int64_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Int64_Box_expand_space_dimension (ppl_Pointset_Powerset_Int64_Box_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Pointset_Powerset_Int64_Box_fold_space_dimensions (ppl_Pointset_Powerset_Int64_Box_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Int64_Box_map_space_dimensions (ppl_Pointset_Powerset_Int64_Box_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Pointset_Powerset_Int64_Box_drop_some_non_integer_points (ppl_Pointset_Powerset_Int64_Box_t ph, int complexity)
- int ppl_Pointset_Powerset_Int64_Box_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Int64_Box_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Pointset_Powerset_Int64_Box_external_memory_in_bytes (ppl_const_Pointset_Powerset_Int64_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Int64_Box_total_memory_in_bytes (ppl_const_Pointset_Powerset_Int64_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Int64_Box_size (ppl_const_Pointset_Powerset_Int64_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Int64_Box_add_disjunct (ppl_Pointset_Powerset_Int64_Box_t ps, ppl_const_Int64_Box_t d)
- int ppl_Pointset_Powerset_Int64_Box_drop_disjunct (ppl_Pointset_Powerset_Int64_Box_t ps, ppl_const_Pointset_Powerset_Int64_Box_iterator_t cit, ppl_Pointset_Powerset_Int64_Box_iterator_t it)
- int ppl_Pointset_Powerset_Int64_Box_drop_disjuncts (ppl_Pointset_Powerset_Int64_Box_t ps, ppl_const_Pointset_Powerset_Int64_Box_iterator_t first, ppl_const_Pointset_Powerset_Int64_Box_iterator_t last)
- int ppl_io_print_Pointset_Powerset_Int64_Box (ppl_const_Pointset_Powerset_Int64_Box_t x)
- int ppl_io_fprint_Pointset_Powerset_Int64_Box (FILE *stream, ppl_const_Pointset_Powerset_Int64_Box_t x)
- int ppl_io_asprint_Pointset_Powerset_Int64_Box (char **strp, ppl_const_Pointset_Powerset_Int64_Box_t x)
- int ppl_Pointset_Powerset_Int64_Box_ascii_dump (ppl_const_Pointset_Powerset_Int64_Box_t x, FILE *stream)
- int ppl_Pointset_Powerset_Int64_Box_ascii_load (ppl_Pointset_Powerset_Int64_Box_t x, FILE *stream)

7.99.1 Detailed Description

Types and functions for ppl_Pointset_Powerset_Int64_Box_tag.

7.99.2 Friends And Related Function Documentation

7.99.2.1 int ppl_delete_Pointset_Powerset_Int64_Box (ppl_const_Pointset_Powerset_Int64_Box_t *ph*) [related]

7.99.2.2 int ppl_new_Pointset_Powerset_Int64_Box_from_space_dimension (ppl_Pointset_Powerset_Int64_Box_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.99.2.3 int ppl_new_Pointset_Powerset_Int64_Box_from_Pointset_Powerset_Int64_Box (ppl_Pointset_Powerset_Int64_Box_t * *pph*, ppl_const_Pointset_Powerset_Int64_Box_t *ph*) [related]

7.99.2.4 int ppl_new_Pointset_Powerset_Int64_Box_from_Int64_Box (ppl_Pointset_Powerset_Int64_Box_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.99.2.5 int ppl_new_Pointset_Powerset_Int64_Box_from_Pointset_Powerset_Int64_Box_with_complexity (ppl_Pointset_Powerset_Int64_Box_t * *pph*, ppl_const_Pointset_Powerset_Int64_Box_t *ph*, int *complexity*) [related]

7.99.2.6 int ppl_new_Pointset_Powerset_Int64_Box_from_Int64_Box_with_complexity (ppl_Pointset_Powerset_Int64_Box_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.99.2.7 int ppl_new_Pointset_Powerset_Int64_Box_from_Constraint_System (ppl_Pointset_Powerset_Int64_Box_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.99.2.8 int ppl_new_Pointset_Powerset_Int64_Box_from_Congruence_System (ppl_Pointset_Powerset_Int64_Box_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.99.2.9 int ppl_Pointset_Powerset_Int64_Box_space_dimension (ppl_const_Pointset_Powerset_Int64_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.99.2.10 int ppl_Pointset_Powerset_Int64_Box_affine_dimension (ppl_const_Pointset_Powerset_Int64_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.99.2.11 int ppl_Pointset_Powerset_Int64_Box_relation_with_Constraint (ppl_const_Pointset_Powerset_Int64_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.99.2.12 int ppl_Pointset_Powerset_Int64_Box_relation_with_Generator (ppl_const_Pointset_Powerset_Int64_Box_t *ph*, ppl_const_Generator_t *c*) [related]

7.99.2.13 int ppl_Pointset_Powerset_Int64_Box_relation_with_Congruence (ppl_const_Pointset_Powerset_Int64_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.99.2.14 int ppl_Pointset_Powerset_Int64_Box_is_empty (ppl_const_Pointset_Powerset_Int64_Box_t *ph*) [related]

7.99.2.15 int ppl_Pointset_Powerset_Int64_Box_is_universe (ppl_const_Pointset_Powerset_Int64_Box_t *ph*) [related]

7.99.2.16 int ppl_Pointset_Powerset_Int64_Box_is_bounded (ppl_const_Pointset_Powerset_Int64_Box_t *ph*) [related]

7.99.2.17 int ppl_Pointset_Powerset_Int64_Box_contains_integer_point (ppl_const_Pointset_Powerset_Int64_Box_t *ph*) [related]

7.99.2.18 int ppl_Pointset_Powerset_Int64_Box_is_topologically_closed (ppl_const_Pointset_Powerset_Int64_Box_t *ph*) [related]

7.99.2.19 int ppl_Pointset_Powerset_Int64_Box_is_discrete (ppl_const_Pointset_Powerset_Int64_-Box_t *ph*) [related]

7.99.2.20 int ppl_Pointset_Powerset_Int64_Box_topological_closure_assign (ppl_Pointset_Powerset_Int64_Box_t *ph*) [related]

7.99.2.21 int ppl_Pointset_Powerset_Int64_Box_pairwise_reduce (ppl_Pointset_Powerset_Int64_-Box_t *ph*) [related]

7.99.2.22 int ppl_Pointset_Powerset_Int64_Box_omega_reduce (ppl_Pointset_Powerset_Int64_-Box_t *ph*) [related]

7.99.2.23 int ppl_Pointset_Powerset_Int64_Box_bounds_from_above (ppl_const_-Pointset_Powerset_Int64_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.99.2.24 int ppl_Pointset_Powerset_Int64_Box_bounds_from_below (ppl_const_-Pointset_Powerset_Int64_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.99.2.25 int ppl_Pointset_Powerset_Int64_Box_maximize (ppl_const_Pointset_Powerset_Int64_-Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.99.2.26 int ppl_Pointset_Powerset_Int64_Box_minimize (ppl_const_Pointset_Powerset_Int64_-Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.99.2.27 int ppl_Pointset_Powerset_Int64_Box_maximize_with_point (ppl_const_Pointset_Powerset_Int64_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.99.2.28 int ppl_Pointset_Powerset_Int64_Box_minimize_with_point (ppl_const_Pointset_Powerset_Int64_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.99.2.29 int ppl_Pointset_Powerset_Int64_Box_contains_Pointset_Powerset_Int64_Box (ppl_const_Pointset_Powerset_Int64_Box_t *x*, ppl_const_Pointset_Powerset_Int64_Box_t *y*) [related]

7.99.2.30 int ppl_Pointset_Powerset_Int64_Box_strictly_contains_Pointset_Powerset_Int64_Box (ppl_const_Pointset_Powerset_Int64_Box_t *x*, ppl_const_Pointset_Powerset_Int64_Box_t *y*) [related]

7.99.2.31 int ppl_Pointset_Powerset_Int64_Box_is_disjoint_from_Pointset_Powerset_Int64_Box (ppl_const_Pointset_Powerset_Int64_Box_t *x*, ppl_const_Pointset_Powerset_Int64_Box_t *y*) [related]

7.99.2.32 int ppl_Pointset_Powerset_Int64_Box_geometrically_covers_Pointset_Powerset_Int64_Box (ppl_const_Pointset_Powerset_Int64_Box_t *x*, ppl_const_Pointset_Powerset_Int64_Box_t *y*) [related]

7.99.2.33 int ppl_Pointset_Powerset_Int64_Box_geometrically_equals_Pointset_Powerset_Int64_Box (ppl_const_Pointset_Powerset_Int64_Box_t *x*, ppl_const_Pointset_Powerset_Int64_Box_t *y*) [related]

7.99.2.34 int ppl_Pointset_Powerset_Int64_Box_equals_Pointset_Powerset_Int64_Box (ppl_const_Pointset_Powerset_Int64_Box_t *x*, ppl_const_Pointset_Powerset_Int64_Box_t *y*) [related]

7.99.2.35 int ppl_Pointset_Powerset_Int64_Box_OK (ppl_const_Pointset_Powerset_Int64_Box_t *ph*) [related]

7.99.2.36 int ppl_Pointset_Powerset_Int64_Box_add_constraint (ppl_Pointset_Powerset_Int64_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.99.2.37 int ppl_Pointset_Powerset_Int64_Box_add_congruence (ppl_Pointset_Powerset_Int64_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.99.2.38 int ppl_Pointset_Powerset_Int64_Box_add_constraints (ppl_Pointset_Powerset_Int64_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.99.2.39 int ppl_Pointset_Powerset_Int64_Box_add_congruences (ppl_Pointset_Powerset_Int64_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.99.2.40 int ppl_Pointset_Powerset_Int64_Box_refine_with_constraint (ppl_Pointset_Powerset_Int64_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.99.2.41 int ppl_Pointset_Powerset_Int64_Box_refine_with_congruence (ppl_Pointset_Powerset_Int64_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.99.2.42 int ppl_Pointset_Powerset_Int64_Box_refine_with_constraints (ppl_Pointset_Powerset_Int64_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.99.2.43 int ppl_Pointset_Powerset_Int64_Box_refine_with_congruences (ppl_Pointset_Powerset_Int64_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.99.2.44 int ppl_Pointset_Powerset_Int64_Box_intersection_assign (ppl_Pointset_Powerset_Int64_Box_t *x*, ppl_const_Pointset_Powerset_Int64_Box_t *y*) [related]

7.99.2.45 int ppl_Pointset_Powerset_Int64_Box_upper_bound_assign (ppl_Pointset_Powerset_Int64_Box_t *x*, ppl_const_Pointset_Powerset_Int64_Box_t *y*) [related]

7.99.2.46 int ppl_Pointset_Powerset_Int64_Box_difference_assign (ppl_Pointset_Powerset_Int64_Box_t *x*, ppl_const_Pointset_Powerset_Int64_Box_t *y*) [related]

7.99.2.47 int ppl_Pointset_Powerset_Int64_Box_concatenate_assign (ppl_Pointset_Powerset_Int64_Box_t *x*, ppl_const_Pointset_Powerset_Int64_Box_t *y*) [related]

7.99.2.48 int ppl_Pointset_Powerset_Int64_Box_time_elapse_assign (ppl_Pointset_Powerset_Int64_Box_t *x*, ppl_const_Pointset_Powerset_Int64_Box_t *y*) [related]

7.99.2.49 int ppl_Pointset_Powerset_Int64_Box_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Int64_Box_t *x*, ppl_const_Pointset_Powerset_Int64_Box_t *y*) [related]

7.99.2.50 int ppl_Pointset_Powerset_Int64_Box_simplify_using_context_assign (ppl_Pointset_Powerset_Int64_Box_t *x*, ppl_const_Pointset_Powerset_Int64_Box_t *y*) [related]

7.99.2.51 int ppl_Pointset_Powerset_Int64_Box_constrains (ppl_Pointset_Powerset_Int64_Box_t *ph*, ppl_dimension_type *var*) [related]

7.99.2.52 int ppl_Pointset_Powerset_Int64_Box_unconstrain_space_dimension (ppl_Pointset_Powerset_Int64_Box_t *ph*, ppl_dimension_type *var*) [related]

7.99.2.53 int ppl_Pointset_Powerset_Int64_Box_unconstrain_space_dimensions (ppl_Pointset_Powerset_Int64_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.99.2.54 int ppl_Pointset_Powerset_Int64_Box_affine_image (ppl_Pointset_Powerset_Int64_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.99.2.55 int ppl_Pointset_Powerset_Int64_Box_affine_preimage (ppl_Pointset_Powerset_Int64_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.99.2.56 int ppl_Pointset_Powerset_Int64_Box_bounded_affine_image (ppl_Pointset_Powerset_Int64_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.99.2.57 int ppl_Pointset_Powerset_Int64_Box_bounded_affine_preimage (ppl_Pointset_Powerset_Int64_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.99.2.58 int ppl_Pointset_Powerset_Int64_Box_generalized_affine_image (ppl_Pointset_Powerset_Int64_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.99.2.59 int ppl_Pointset_Powerset_Int64_Box_generalized_affine_preimage (ppl_Pointset_Powerset_Int64_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.99.2.60 int ppl_Pointset_Powerset_Int64_Box_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Int64_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.99.2.61 int ppl_Pointset_Powerset_Int64_Box_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Int64_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.99.2.62 int ppl_Pointset_Powerset_Int64_Box_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Int64_Box_t *ph*, ppl_dimension_type *d*) [related]

7.99.2.63 int ppl_Pointset_Powerset_Int64_Box_add_space_dimensions_and_project (ppl_Pointset_Powerset_Int64_Box_t *ph*, ppl_dimension_type *d*) [related]

7.99.2.64 int ppl_Pointset_Powerset_Int64_Box_remove_space_dimensions (ppl_Pointset_Powerset_Int64_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.99.2.65 int ppl_Pointset_Powerset_Int64_Box_remove_higher_space_dimensions (ppl_Pointset_Powerset_Int64_Box_t *ph*, ppl_dimension_type *d*) [related]

7.99.2.66 int ppl_Pointset_Powerset_Int64_Box_expand_space_dimension (ppl_Pointset_Powerset_Int64_Box_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.99.2.67 int ppl_Pointset_Powerset_Int64_Box_fold_space_dimensions (ppl_Pointset_-Powerset_Int64_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.99.2.68 int ppl_Pointset_Powerset_Int64_Box_map_space_dimensions (ppl_Pointset_Powerset_Int64_Box_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.99.2.69 int ppl_Pointset_Powerset_Int64_Box_drop_some_non_integer_points (ppl_Pointset_Powerset_Int64_Box_t *ph*, int *complexity*) [related]

7.99.2.70 int ppl_Pointset_Powerset_Int64_Box_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Int64_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.99.2.71 int ppl_Pointset_Powerset_Int64_Box_external_memory_in_bytes (ppl_const_Pointset_Powerset_Int64_Box_t *ps*, size_t * *sz*) [related]

7.99.2.72 int ppl_Pointset_Powerset_Int64_Box_total_memory_in_bytes (ppl_const_Pointset_Powerset_Int64_Box_t *ps*, size_t * *sz*) [related]

7.99.2.73 int ppl_Pointset_Powerset_Int64_Box_size (ppl_const_Pointset_Powerset_Int64_Box_t *ps*, size_t * *sz*) [related]

7.99.2.74 int ppl_Pointset_Powerset_Int64_Box_add_disjunct (ppl_Pointset_Powerset_Int64_Box_t *ps*, ppl_const_Int64_Box_t *d*) [related]

7.99.2.75 int ppl_Pointset_Powerset_Int64_Box_drop_disjunct (ppl_Pointset_Powerset_Int64_Box_t *ps*, ppl_const_Pointset_Powerset_Int64_Box_iterator_t *cit*, ppl_Pointset_Powerset_Int64_Box_iterator_t *it*) [related]

7.99.2.76 int ppl_Pointset_Powerset_Int64_Box_drop_disjuncts (ppl_Pointset_Powerset_Int64_Box_t *ps*, ppl_const_Pointset_Powerset_Int64_Box_iterator_t *first*, ppl_const_Pointset_Powerset_Int64_Box_iterator_t *last*) [related]

7.99.2.77 int ppl_io_print_Pointset_Powerset_Int64_Box (ppl_const_Pointset_Powerset_Int64_Box_t *x*) [related]

7.99.2.78 int ppl_io_fprint_Pointset_Powerset_Int64_Box (FILE * *stream*, ppl_const_Pointset_Powerset_Int64_Box_t *x*) [related]

7.99.2.79 int ppl_io_asprint_Pointset_Powerset_Int64_Box (char ** *strp*, ppl_const_Pointset_Powerset_Int64_Box_t *x*) [related]

7.99.2.80 int ppl_Pointset_Powerset_Int64_Box_ascii_dump (ppl_const_Pointset_Powerset_Int64_Box_t *x*, FILE * *stream*) [related]

7.99.2.81 int ppl_Pointset_Powerset_Int64_Box_ascii_load (ppl_Pointset_Powerset_Int64_Box_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.100 ppl_Pointset_Powerset_Int8_Box_const_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Int8_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Int8_Box_const_iterator (ppl_Pointset_Powerset_Int8_Box_const_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Int8_Box_const_iterator_from_const_iterator (ppl_Pointset_Powerset_Int8_Box_const_iterator_t *px, ppl_const_Pointset_Powerset_Int8_Box_const_iterator_t y)
- int ppl_Pointset_Powerset_Int8_Box_const_iterator_begin (ppl_const_Pointset_Powerset_Int8_Box_t ps, ppl_Pointset_Powerset_Int8_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Int8_Box_const_iterator_end (ppl_const_Pointset_Powerset_Int8_Box_t ps, ppl_Pointset_Powerset_Int8_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Int8_Box_const_iterator_equal_test (ppl_const_Pointset_Powerset_Int8_Box_const_iterator_t x, ppl_const_Pointset_Powerset_Int8_Box_const_iterator_t y)

- int ppl_Pointset_Powerset_Int8_Box_const_iterator_increment (ppl_Pointset_Powerset_Int8_Box_-const_iterator_t psit)
- int ppl_Pointset_Powerset_Int8_Box_const_iterator_decrement (ppl_Pointset_Powerset_Int8_-Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Int8_Box_const_iterator_dereference (ppl_const_Pointset_Powerset_-Int8_Box_const_iterator_t ps, ppl_const_Int8_Box_t ∗d)
- int ppl_delete_Pointset_Powerset_Int8_Box_const_iterator (ppl_const_Pointset_Powerset_Int8_-Box_const_iterator_t psit)

7.100.1 Detailed Description

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Int8_Box_tag.

7.100.2 Friends And Related Function Documentation

7.100.2.1 int ppl_new_Pointset_Powerset_Int8_Box_const_iterator (ppl_Pointset_Powerset_Int8_-Box_const_iterator_t ∗ *pit*) [related]

7.100.2.2 int ppl_new_Pointset_Powerset_Int8_Box_const_iterator_from_const_-iterator (ppl_Pointset_Powerset_Int8_Box_const_iterator_t ∗ *px*, ppl_const_Pointset_Powerset_Int8_Box_const_iterator_t *y*) [related]

7.100.2.3 int ppl_Pointset_Powerset_Int8_Box_const_iterator_begin (ppl_const_Pointset_-Powerset_Int8_Box_t *ps*, ppl_Pointset_Powerset_Int8_Box_const_iterator_t *psit*) [related]

7.100.2.4 int ppl_Pointset_Powerset_Int8_Box_const_iterator_end (ppl_const_Pointset_-Powerset_Int8_Box_t *ps*, ppl_Pointset_Powerset_Int8_Box_const_iterator_t *psit*) [related]

7.100.2.5 int ppl_Pointset_Powerset_Int8_Box_const_iterator_equal_test (ppl_const_Pointset_Powerset_Int8_Box_const_iterator_t *x*, ppl_const_Pointset_Powerset_Int8_Box_const_iterator_t *y*) [related]

7.100.2.6 int ppl_Pointset_Powerset_Int8_Box_const_iterator_increment (ppl_Pointset_Powerset_Int8_Box_const_iterator_t *psit*) [related]

7.100.2.7 int ppl_Pointset_Powerset_Int8_Box_const_iterator_decrement (ppl_Pointset_Powerset_Int8_Box_const_iterator_t *psit*) [related]

7.100.2.8 int ppl_Pointset_Powerset_Int8_Box_const_iterator_dereference (ppl_const_Pointset_Powerset_Int8_Box_const_iterator_t *ps*, ppl_const_Int8_Box_t * *d*) [related]

7.100.2.9 int ppl_delete_Pointset_Powerset_Int8_Box_const_iterator (ppl_const_Pointset_Powerset_Int8_Box_const_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.101 ppl_Pointset_Powerset_Int8_Box_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Int8_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Int8_Box_iterator (ppl_Pointset_Powerset_Int8_Box_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Int8_Box_iterator_from_iterator (ppl_Pointset_Powerset_Int8_Box_iterator_t *px, ppl_const_Pointset_Powerset_Int8_Box_iterator_t y)
- int ppl_Pointset_Powerset_Int8_Box_iterator_begin (ppl_Pointset_Powerset_Int8_Box_t ps, ppl_Pointset_Powerset_Int8_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Int8_Box_iterator_end (ppl_Pointset_Powerset_Int8_Box_t ps, ppl_Pointset_Powerset_Int8_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Int8_Box_iterator_equal_test (ppl_const_Pointset_Powerset_Int8_Box_iterator_t x, ppl_const_Pointset_Powerset_Int8_Box_iterator_t y)
- int ppl_Pointset_Powerset_Int8_Box_iterator_increment (ppl_Pointset_Powerset_Int8_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Int8_Box_iterator_decrement (ppl_Pointset_Powerset_Int8_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Int8_Box_iterator_dereference (ppl_const_Pointset_Powerset_Int8_Box_iterator_t ps, ppl_const_Int8_Box_t *d)
- int ppl_delete_Pointset_Powerset_Int8_Box_iterator (ppl_const_Pointset_Powerset_Int8_Box_iterator_t psit)

7.101.1 Detailed Description

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Int8_Box_tag.

7.101.2 Friends And Related Function Documentation

7.101.2.1 int ppl_new_Pointset_Powerset_Int8_Box_iterator (ppl_Pointset_Powerset_Int8_Box_iterator_t * *pit*) [related]

7.101.2.2 int ppl_new_Pointset_Powerset_Int8_Box_iterator_from_iterator (ppl_Pointset_Powerset_Int8_Box_iterator_t * *px*, ppl_const_Pointset_Powerset_Int8_Box_iterator_t *y*) [related]

7.101.2.3 int ppl_Pointset_Powerset_Int8_Box_iterator_begin (ppl_Pointset_Powerset_Int8_Box_t *ps*, ppl_Pointset_Powerset_Int8_Box_iterator_t *psit*) [related]

7.101.2.4 int ppl_Pointset_Powerset_Int8_Box_iterator_end (ppl_Pointset_Powerset_Int8_Box_t *ps*, ppl_Pointset_Powerset_Int8_Box_iterator_t *psit*) [related]

7.101.2.5 int ppl_Pointset_Powerset_Int8_Box_iterator_equal_test (ppl_const_Pointset_Powerset_Int8_Box_iterator_t *x*, ppl_const_Pointset_Powerset_Int8_Box_iterator_t *y*) [related]

7.101.2.6 int ppl_Pointset_Powerset_Int8_Box_iterator_increment (ppl_Pointset_Powerset_Int8_Box_iterator_t *psit*) [related]

7.101.2.7 int ppl_Pointset_Powerset_Int8_Box_iterator_decrement (ppl_Pointset_Powerset_Int8_Box_iterator_t *psit*) [related]

7.101.2.8 int ppl_Pointset_Powerset_Int8_Box_iterator_dereference (ppl_const_Pointset_Powerset_Int8_Box_iterator_t *ps*, ppl_const_Int8_Box_t * *d*) [related]

7.101.2.9 int ppl_delete_Pointset_Powerset_Int8_Box_iterator (ppl_const_Pointset_Powerset_Int8_Box_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.102 ppl_Pointset_Powerset_Int8_Box_tag Interface Reference

Types and functions for ppl_Pointset_Powerset_Int8_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Pointset_Powerset_Int8_Box (ppl_const_Pointset_Powerset_Int8_Box_t ph)
- int ppl_new_Pointset_Powerset_Int8_Box_from_space_dimension (ppl_Pointset_Powerset_Int8_Box_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Pointset_Powerset_Int8_Box_from_Pointset_Powerset_Int8_Box (ppl_Pointset_Powerset_Int8_Box_t *pph, ppl_const_Pointset_Powerset_Int8_Box_t ph)
- int ppl_new_Pointset_Powerset_Int8_Box_from_Int8_Box (ppl_Pointset_Powerset_Int8_Box_t *pph, ppl_const_Int8_Box_t ph)
- int ppl_new_Pointset_Powerset_Int8_Box_from_Pointset_Powerset_Int8_Box_with_complexity (ppl_Pointset_Powerset_Int8_Box_t *pph, ppl_const_Pointset_Powerset_Int8_Box_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Int8_Box_from_Int8_Box_with_complexity (ppl_Pointset_Powerset_Int8_Box_t *pph, ppl_const_Int8_Box_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Int8_Box_from_Constraint_System (ppl_Pointset_Powerset_Int8_Box_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Pointset_Powerset_Int8_Box_from_Congruence_System (ppl_Pointset_Powerset_Int8_Box_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Int8_Box_space_dimension (ppl_const_Pointset_Powerset_Int8_Box_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Int8_Box_affine_dimension (ppl_const_Pointset_Powerset_Int8_Box_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Int8_Box_relation_with_Constraint (ppl_const_Pointset_Powerset_Int8_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Int8_Box_relation_with_Generator (ppl_const_Pointset_Powerset_Int8_Box_t ph, ppl_const_Generator_t c)
- int ppl_Pointset_Powerset_Int8_Box_relation_with_Congruence (ppl_const_Pointset_Powerset_Int8_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Int8_Box_is_empty (ppl_const_Pointset_Powerset_Int8_Box_t ph)
- int ppl_Pointset_Powerset_Int8_Box_is_universe (ppl_const_Pointset_Powerset_Int8_Box_t ph)
- int ppl_Pointset_Powerset_Int8_Box_is_bounded (ppl_const_Pointset_Powerset_Int8_Box_t ph)
- int ppl_Pointset_Powerset_Int8_Box_contains_integer_point (ppl_const_Pointset_Powerset_Int8_Box_t ph)
- int ppl_Pointset_Powerset_Int8_Box_is_topologically_closed (ppl_const_Pointset_Powerset_Int8_Box_t ph)

- int ppl_Pointset_Powerset_Int8_Box_is_discrete (ppl_const_Pointset_Powerset_Int8_Box_t ph)
- int ppl_Pointset_Powerset_Int8_Box_topological_closure_assign (ppl_Pointset_Powerset_Int8_Box_t ph)
- int ppl_Pointset_Powerset_Int8_Box_pairwise_reduce (ppl_Pointset_Powerset_Int8_Box_t ph)
- int ppl_Pointset_Powerset_Int8_Box_omega_reduce (ppl_Pointset_Powerset_Int8_Box_t ph)
- int ppl_Pointset_Powerset_Int8_Box_bounds_from_above (ppl_const_Pointset_Powerset_Int8_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Int8_Box_bounds_from_below (ppl_const_Pointset_Powerset_Int8_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Int8_Box_maximize (ppl_const_Pointset_Powerset_Int8_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Int8_Box_minimize (ppl_const_Pointset_Powerset_Int8_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Int8_Box_maximize_with_point (ppl_const_Pointset_Powerset_Int8_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Int8_Box_minimize_with_point (ppl_const_Pointset_Powerset_Int8_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Int8_Box_contains_Pointset_Powerset_Int8_Box (ppl_const_Pointset_Powerset_Int8_Box_t x, ppl_const_Pointset_Powerset_Int8_Box_t y)
- int ppl_Pointset_Powerset_Int8_Box_strictly_contains_Pointset_Powerset_Int8_Box (ppl_const_Pointset_Powerset_Int8_Box_t x, ppl_const_Pointset_Powerset_Int8_Box_t y)
- int ppl_Pointset_Powerset_Int8_Box_is_disjoint_from_Pointset_Powerset_Int8_Box (ppl_const_Pointset_Powerset_Int8_Box_t x, ppl_const_Pointset_Powerset_Int8_Box_t y)
- int ppl_Pointset_Powerset_Int8_Box_geometrically_covers_Pointset_Powerset_Int8_Box (ppl_const_Pointset_Powerset_Int8_Box_t x, ppl_const_Pointset_Powerset_Int8_Box_t y)
- int ppl_Pointset_Powerset_Int8_Box_geometrically_equals_Pointset_Powerset_Int8_Box (ppl_const_Pointset_Powerset_Int8_Box_t x, ppl_const_Pointset_Powerset_Int8_Box_t y)
- int ppl_Pointset_Powerset_Int8_Box_equals_Pointset_Powerset_Int8_Box (ppl_const_Pointset_Powerset_Int8_Box_t x, ppl_const_Pointset_Powerset_Int8_Box_t y)
- int ppl_Pointset_Powerset_Int8_Box_OK (ppl_const_Pointset_Powerset_Int8_Box_t ph)
- int ppl_Pointset_Powerset_Int8_Box_add_constraint (ppl_Pointset_Powerset_Int8_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Int8_Box_add_congruence (ppl_Pointset_Powerset_Int8_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Int8_Box_add_constraints (ppl_Pointset_Powerset_Int8_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Int8_Box_add_congruences (ppl_Pointset_Powerset_Int8_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Int8_Box_refine_with_constraint (ppl_Pointset_Powerset_Int8_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Int8_Box_refine_with_congruence (ppl_Pointset_Powerset_Int8_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Int8_Box_refine_with_constraints (ppl_Pointset_Powerset_Int8_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Int8_Box_refine_with_congruences (ppl_Pointset_Powerset_Int8_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Int8_Box_intersection_assign (ppl_Pointset_Powerset_Int8_Box_t x, ppl_const_Pointset_Powerset_Int8_Box_t y)
- int ppl_Pointset_Powerset_Int8_Box_upper_bound_assign (ppl_Pointset_Powerset_Int8_Box_t x, ppl_const_Pointset_Powerset_Int8_Box_t y)

- int ppl_Pointset_Powerset_Int8_Box_difference_assign (ppl_Pointset_Powerset_Int8_Box_t x, ppl_const_Pointset_Powerset_Int8_Box_t y)
- int ppl_Pointset_Powerset_Int8_Box_concatenate_assign (ppl_Pointset_Powerset_Int8_Box_t x, ppl_const_Pointset_Powerset_Int8_Box_t y)
- int ppl_Pointset_Powerset_Int8_Box_time_elapse_assign (ppl_Pointset_Powerset_Int8_Box_t x, ppl_const_Pointset_Powerset_Int8_Box_t y)
- int ppl_Pointset_Powerset_Int8_Box_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Int8_Box_t x, ppl_const_Pointset_Powerset_Int8_Box_t y)
- int ppl_Pointset_Powerset_Int8_Box_simplify_using_context_assign (ppl_Pointset_Powerset_Int8_Box_t x, ppl_const_Pointset_Powerset_Int8_Box_t y)
- int ppl_Pointset_Powerset_Int8_Box_constrains (ppl_Pointset_Powerset_Int8_Box_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Int8_Box_unconstrain_space_dimension (ppl_Pointset_Powerset_Int8_Box_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Int8_Box_unconstrain_space_dimensions (ppl_Pointset_Powerset_Int8_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Int8_Box_affine_image (ppl_Pointset_Powerset_Int8_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Int8_Box_affine_preimage (ppl_Pointset_Powerset_Int8_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Int8_Box_bounded_affine_image (ppl_Pointset_Powerset_Int8_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Int8_Box_bounded_affine_preimage (ppl_Pointset_Powerset_Int8_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Int8_Box_generalized_affine_image (ppl_Pointset_Powerset_Int8_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Int8_Box_generalized_affine_preimage (ppl_Pointset_Powerset_Int8_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Int8_Box_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Int8_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Int8_Box_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Int8_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Int8_Box_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Int8_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Int8_Box_add_space_dimensions_and_project (ppl_Pointset_Powerset_Int8_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Int8_Box_remove_space_dimensions (ppl_Pointset_Powerset_Int8_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Int8_Box_remove_higher_space_dimensions (ppl_Pointset_Powerset_Int8_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Int8_Box_expand_space_dimension (ppl_Pointset_Powerset_Int8_Box_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Pointset_Powerset_Int8_Box_fold_space_dimensions (ppl_Pointset_Powerset_Int8_Box_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Int8_Box_map_space_dimensions (ppl_Pointset_Powerset_Int8_Box_t ph, ppl_dimension_type maps[ ], size_t n)

- int ppl_Pointset_Powerset_Int8_Box_drop_some_non_integer_points (ppl_Pointset_Powerset_Int8_Box_t ph, int complexity)
- int ppl_Pointset_Powerset_Int8_Box_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Int8_Box_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Pointset_Powerset_Int8_Box_external_memory_in_bytes (ppl_const_Pointset_Powerset_Int8_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Int8_Box_total_memory_in_bytes (ppl_const_Pointset_Powerset_Int8_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Int8_Box_size (ppl_const_Pointset_Powerset_Int8_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Int8_Box_add_disjunct (ppl_Pointset_Powerset_Int8_Box_t ps, ppl_const_Int8_Box_t d)
- int ppl_Pointset_Powerset_Int8_Box_drop_disjunct (ppl_Pointset_Powerset_Int8_Box_t ps, ppl_const_Pointset_Powerset_Int8_Box_iterator_t cit, ppl_Pointset_Powerset_Int8_Box_iterator_t it)
- int ppl_Pointset_Powerset_Int8_Box_drop_disjuncts (ppl_Pointset_Powerset_Int8_Box_t ps, ppl_const_Pointset_Powerset_Int8_Box_iterator_t first, ppl_const_Pointset_Powerset_Int8_Box_iterator_t last)
- int ppl_io_print_Pointset_Powerset_Int8_Box (ppl_const_Pointset_Powerset_Int8_Box_t x)
- int ppl_io_fprint_Pointset_Powerset_Int8_Box (FILE *stream, ppl_const_Pointset_Powerset_Int8_Box_t x)
- int ppl_io_asprint_Pointset_Powerset_Int8_Box (char **strp, ppl_const_Pointset_Powerset_Int8_Box_t x)
- int ppl_Pointset_Powerset_Int8_Box_ascii_dump (ppl_const_Pointset_Powerset_Int8_Box_t x, FILE *stream)
- int ppl_Pointset_Powerset_Int8_Box_ascii_load (ppl_Pointset_Powerset_Int8_Box_t x, FILE *stream)

7.102.1 Detailed Description

Types and functions for ppl_Pointset_Powerset_Int8_Box_tag.

7.102.2 Friends And Related Function Documentation

7.102.2.1 int ppl_delete_Pointset_Powerset_Int8_Box (ppl_const_Pointset_Powerset_Int8_Box_t *ph*) [related]

7.102.2.2 int ppl_new_Pointset_Powerset_Int8_Box_from_space_dimension (ppl_Pointset_Powerset_Int8_Box_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.102.2.3 int ppl_new_Pointset_Powerset_Int8_Box_from_Pointset_Powerset_Int8_Box (ppl_Pointset_Powerset_Int8_Box_t * *pph*, ppl_const_Pointset_Powerset_Int8_Box_t *ph*) [related]

7.102.2.4 int ppl_new_Pointset_Powerset_Int8_Box_from_Int8_Box (ppl_-Pointset_Powerset_Int8_Box_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.102.2.5 int ppl_new_Pointset_Powerset_Int8_Box_from_Pointset_Powerset_-Int8_Box_with_complexity (ppl_Pointset_Powerset_Int8_Box_t * *pph*, ppl_const_Pointset_Powerset_Int8_Box_t *ph*, int *complexity*) [related]

7.102.2.6 int ppl_new_Pointset_Powerset_Int8_Box_from_Int8_Box_with_complexity (ppl_Pointset_Powerset_Int8_Box_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.102.2.7 int ppl_new_Pointset_Powerset_Int8_Box_from_Constraint_System (ppl_Pointset_Powerset_Int8_Box_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.102.2.8 int ppl_new_Pointset_Powerset_Int8_Box_from_Congruence_System (ppl_Pointset_Powerset_Int8_Box_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.102.2.9 int ppl_Pointset_Powerset_Int8_Box_space_dimension (ppl_const_-Pointset_Powerset_Int8_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.102.2.10 int ppl_Pointset_Powerset_Int8_Box_affine_dimension (ppl_const_-Pointset_Powerset_Int8_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.102.2.11 int ppl_Pointset_Powerset_Int8_Box_relation_with_Constraint (ppl_const_Pointset_Powerset_Int8_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.102.2.12 int ppl_Pointset_Powerset_Int8_Box_relation_with_Generator (ppl_const_Pointset_Powerset_Int8_Box_t *ph*, ppl_const_Generator_t *c*) [related]

7.102.2.13 int ppl_Pointset_Powerset_Int8_Box_relation_with_Congruence (ppl_const_Pointset_Powerset_Int8_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.102.2.14 int ppl_Pointset_Powerset_Int8_Box_is_empty (ppl_const_Pointset_Powerset_Int8_Box_t *ph*) [related]

7.102.2.15 int ppl_Pointset_Powerset_Int8_Box_is_universe (ppl_const_Pointset_Powerset_Int8_Box_t *ph*) [related]

7.102.2.16 int ppl_Pointset_Powerset_Int8_Box_is_bounded (ppl_const_Pointset_Powerset_Int8_Box_t *ph*) [related]

7.102.2.17 int ppl_Pointset_Powerset_Int8_Box_contains_integer_point (ppl_const_Pointset_Powerset_Int8_Box_t *ph*) [related]

7.102.2.18 int ppl_Pointset_Powerset_Int8_Box_is_topologically_closed (ppl_const_Pointset_Powerset_Int8_Box_t *ph*) [related]

7.102.2.19 int ppl_Pointset_Powerset_Int8_Box_is_discrete (ppl_const_Pointset_Powerset_Int8_Box_t *ph*) [related]

7.102.2.20 int ppl_Pointset_Powerset_Int8_Box_topological_closure_assign (ppl_Pointset_Powerset_Int8_Box_t *ph*) [related]

7.102.2.21 int ppl_Pointset_Powerset_Int8_Box_pairwise_reduce (ppl_Pointset_Powerset_Int8_Box_t *ph*) [related]

7.102.2.22 int ppl_Pointset_Powerset_Int8_Box_omega_reduce (ppl_Pointset_Powerset_Int8_Box_t *ph*) [related]

7.102.2.23 int ppl_Pointset_Powerset_Int8_Box_bounds_from_above (ppl_const_Pointset_Powerset_Int8_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.102.2.24 int ppl_Pointset_Powerset_Int8_Box_bounds_from_below (ppl_const_Pointset_Powerset_Int8_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.102.2.25 int ppl_Pointset_Powerset_Int8_Box_maximize (ppl_const_Pointset_Powerset_Int8_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.102.2.26 int ppl_Pointset_Powerset_Int8_Box_minimize (ppl_const_Pointset_Powerset_Int8_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.102.2.27 int ppl_Pointset_Powerset_Int8_Box_maximize_with_point (ppl_const_Pointset_Powerset_Int8_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.102.2.28 int ppl_Pointset_Powerset_Int8_Box_minimize_with_point (ppl_const_Pointset_Powerset_Int8_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.102.2.29 int ppl_Pointset_Powerset_Int8_Box_contains_Pointset_Powerset_Int8_Box (ppl_const_Pointset_Powerset_Int8_Box_t *x*, ppl_const_Pointset_Powerset_Int8_Box_t *y*) [related]

7.102.2.30 int ppl_Pointset_Powerset_Int8_Box_strictly_contains_Pointset_Powerset_Int8_Box (ppl_const_Pointset_Powerset_Int8_Box_t *x*, ppl_const_Pointset_Powerset_Int8_Box_t *y*) [related]

7.102.2.31 int ppl_Pointset_Powerset_Int8_Box_is_disjoint_from_Pointset_Powerset_Int8_Box (ppl_const_Pointset_Powerset_Int8_Box_t *x*, ppl_const_Pointset_Powerset_Int8_Box_t *y*) [related]

7.102.2.32 int ppl_Pointset_Powerset_Int8_Box_geometrically_covers_Pointset_Powerset_Int8_Box (ppl_const_Pointset_Powerset_Int8_Box_t *x*, ppl_const_Pointset_Powerset_Int8_Box_t *y*) [related]

7.102.2.33 int ppl_Pointset_Powerset_Int8_Box_geometrically_equals_Pointset_Powerset_Int8_Box (ppl_const_Pointset_Powerset_Int8_Box_t *x*, ppl_const_Pointset_Powerset_Int8_Box_t *y*) [related]

7.102.2.34 int ppl_Pointset_Powerset_Int8_Box_equals_Pointset_Powerset_Int8_Box (ppl_const_Pointset_Powerset_Int8_Box_t *x*, ppl_const_Pointset_Powerset_Int8_Box_t *y*) [related]

7.102.2.35 int ppl_Pointset_Powerset_Int8_Box_OK (ppl_const_Pointset_Powerset_Int8_Box_t *ph*) [related]

7.102.2.36 int ppl_Pointset_Powerset_Int8_Box_add_constraint (ppl_Pointset_Powerset_Int8_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.102.2.37 int ppl_Pointset_Powerset_Int8_Box_add_congruence (ppl_Pointset_Powerset_Int8_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.102.2.38 int ppl_Pointset_Powerset_Int8_Box_add_constraints (ppl_Pointset_Powerset_Int8_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.102.2.39 int ppl_Pointset_Powerset_Int8_Box_add_congruences (ppl_Pointset_Powerset_Int8_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.102.2.40 int ppl_Pointset_Powerset_Int8_Box_refine_with_constraint (ppl_Pointset_Powerset_Int8_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.102.2.41 int ppl_Pointset_Powerset_Int8_Box_refine_with_congruence (ppl_Pointset_Powerset_Int8_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.102.2.42 int ppl_Pointset_Powerset_Int8_Box_refine_with_constraints (ppl_Pointset_Powerset_Int8_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.102.2.43 int ppl_Pointset_Powerset_Int8_Box_refine_with_congruences (ppl_Pointset_Powerset_Int8_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.102.2.44 int ppl_Pointset_Powerset_Int8_Box_intersection_assign (ppl_Pointset_Powerset_Int8_Box_t *x*, ppl_const_Pointset_Powerset_Int8_Box_t *y*) [related]

7.102.2.45 int ppl_Pointset_Powerset_Int8_Box_upper_bound_assign (ppl_Pointset_-Powerset_Int8_Box_t *x*, ppl_const_Pointset_Powerset_Int8_Box_t *y*) [related]

7.102.2.46 int ppl_Pointset_Powerset_Int8_Box_difference_assign (ppl_Pointset_-Powerset_Int8_Box_t *x*, ppl_const_Pointset_Powerset_Int8_Box_t *y*) [related]

7.102.2.47 int ppl_Pointset_Powerset_Int8_Box_concatenate_assign (ppl_Pointset_-Powerset_Int8_Box_t *x*, ppl_const_Pointset_Powerset_Int8_Box_t *y*) [related]

7.102.2.48 int ppl_Pointset_Powerset_Int8_Box_time_elapse_assign (ppl_Pointset_-Powerset_Int8_Box_t *x*, ppl_const_Pointset_Powerset_Int8_Box_t *y*) [related]

7.102.2.49 int ppl_Pointset_Powerset_Int8_Box_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Int8_Box_t *x*, ppl_const_Pointset_Powerset_Int8_Box_t *y*) [related]

7.102.2.50 int ppl_Pointset_Powerset_Int8_Box_simplify_using_context_assign (ppl_Pointset_Powerset_Int8_Box_t *x*, ppl_const_Pointset_Powerset_Int8_Box_t *y*) [related]

7.102.2.51 int ppl_Pointset_Powerset_Int8_Box_constrains (ppl_Pointset_Powerset_Int8_Box_t *ph*, ppl_dimension_type *var*) [related]

7.102.2.52 int ppl_Pointset_Powerset_Int8_Box_unconstrain_space_dimension (ppl_Pointset_Powerset_Int8_Box_t *ph*, ppl_dimension_type *var*) [related]

7.102.2.53 int ppl_Pointset_Powerset_Int8_Box_unconstrain_space_dimensions (ppl_Pointset_Powerset_Int8_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.102.2.54 int ppl_Pointset_Powerset_Int8_Box_affine_image (ppl_Pointset_Powerset_Int8_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.102.2.55 int ppl_Pointset_Powerset_Int8_Box_affine_preimage (ppl_Pointset_Powerset_Int8_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.102.2.56 int ppl_Pointset_Powerset_Int8_Box_bounded_affine_image (ppl_Pointset_Powerset_Int8_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.102.2.57 int ppl_Pointset_Powerset_Int8_Box_bounded_affine_preimage (ppl_Pointset_Powerset_Int8_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.102.2.58 int ppl_Pointset_Powerset_Int8_Box_generalized_affine_image (ppl_Pointset_Powerset_Int8_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.102.2.59 int ppl_Pointset_Powerset_Int8_Box_generalized_affine_preimage (ppl_Pointset_Powerset_Int8_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.102.2.60 int ppl_Pointset_Powerset_Int8_Box_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Int8_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.102.2.61 int ppl_Pointset_Powerset_Int8_Box_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Int8_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.102.2.62 int ppl_Pointset_Powerset_Int8_Box_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Int8_Box_t *ph*, ppl_dimension_type *d*) [related]

7.102.2.63 int ppl_Pointset_Powerset_Int8_Box_add_space_dimensions_and_project (ppl_Pointset_Powerset_Int8_Box_t *ph*, ppl_dimension_type *d*) [related]

7.102.2.64 int ppl_Pointset_Powerset_Int8_Box_remove_space_dimensions (ppl_Pointset_Powerset_Int8_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.102.2.65 int ppl_Pointset_Powerset_Int8_Box_remove_higher_space_dimensions (ppl_Pointset_Powerset_Int8_Box_t *ph*, ppl_dimension_type *d*) [related]

7.102.2.66 int ppl_Pointset_Powerset_Int8_Box_expand_space_dimension (ppl_Pointset_Powerset_Int8_Box_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.102.2.67 int ppl_Pointset_Powerset_Int8_Box_fold_space_dimensions (ppl_Pointset_-Powerset_Int8_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.102.2.68 int ppl_Pointset_Powerset_Int8_Box_map_space_dimensions (ppl_Pointset_Powerset_Int8_Box_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.102.2.69 int ppl_Pointset_Powerset_Int8_Box_drop_some_non_integer_points (ppl_Pointset_Powerset_Int8_Box_t *ph*, int *complexity*) [related]

7.102.2.70 int ppl_Pointset_Powerset_Int8_Box_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Int8_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.102.2.71 int ppl_Pointset_Powerset_Int8_Box_external_memory_in_bytes (ppl_const_Pointset_Powerset_Int8_Box_t *ps*, size_t * *sz*) [related]

7.102.2.72 int ppl_Pointset_Powerset_Int8_Box_total_memory_in_bytes (ppl_const_Pointset_Powerset_Int8_Box_t *ps*, size_t * *sz*) [related]

7.102.2.73 int ppl_Pointset_Powerset_Int8_Box_size (ppl_const_Pointset_Powerset_Int8_Box_t *ps*, size_t * *sz*) [related]

7.102.2.74 int ppl_Pointset_Powerset_Int8_Box_add_disjunct (ppl_Pointset_Powerset_Int8_Box_t *ps*, ppl_const_Int8_Box_t *d*) [related]

7.102.2.75 int ppl_Pointset_Powerset_Int8_Box_drop_disjunct (ppl_Pointset_Powerset_Int8_Box_t *ps*, ppl_const_Pointset_Powerset_Int8_Box_iterator_t *cit*, ppl_Pointset_Powerset_Int8_Box_iterator_t *it*) [related]

7.102.2.76 int ppl_Pointset_Powerset_Int8_Box_drop_disjuncts (ppl_Pointset_Powerset_Int8_Box_t *ps*, ppl_const_Pointset_Powerset_Int8_Box_iterator_t *first*, ppl_const_Pointset_Powerset_Int8_Box_iterator_t *last*) [related]

7.102.2.77 int ppl_io_print_Pointset_Powerset_Int8_Box (ppl_const_Pointset_Powerset_Int8_Box_t *x*) [related]

7.102.2.78 int ppl_io_fprint_Pointset_Powerset_Int8_Box (FILE * *stream*, ppl_const_Pointset_Powerset_Int8_Box_t *x*) [related]

7.102.2.79 int ppl_io_asprint_Pointset_Powerset_Int8_Box (char ** *strp*, ppl_const_Pointset_Powerset_Int8_Box_t *x*) [related]

7.102.2.80 int ppl_Pointset_Powerset_Int8_Box_ascii_dump (ppl_const_Pointset_Powerset_Int8_Box_t *x*, FILE * *stream*) [related]

7.102.2.81 int ppl_Pointset_Powerset_Int8_Box_ascii_load (ppl_Pointset_Powerset_Int8_Box_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.103 ppl_Pointset_Powerset_Long_Double_Box_const_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Long_Double_Box_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Long_Double_Box_const_iterator (ppl_Pointset_Powerset_Long_Double_Box_const_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Long_Double_Box_const_iterator_from_const_iterator (ppl_Pointset_Powerset_Long_Double_Box_const_iterator_t *px, ppl_const_Pointset_Powerset_Long_Double_Box_const_iterator_t y)
- int ppl_Pointset_Powerset_Long_Double_Box_const_iterator_begin (ppl_const_Pointset_Powerset_Long_Double_Box_t ps, ppl_Pointset_Powerset_Long_Double_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Long_Double_Box_const_iterator_end (ppl_const_Pointset_Powerset_Long_Double_Box_t ps, ppl_Pointset_Powerset_Long_Double_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Long_Double_Box_const_iterator_equal_test (ppl_const_Pointset_Powerset_Long_Double_Box_const_iterator_t x, ppl_const_Pointset_Powerset_Long_Double_Box_const_iterator_t y)

- int ppl_Pointset_Powerset_Long_Double_Box_const_iterator_increment (ppl_Pointset_Powerset_Long_Double_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Long_Double_Box_const_iterator_decrement (ppl_Pointset_Powerset_Long_Double_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Long_Double_Box_const_iterator_dereference (ppl_const_Pointset_Powerset_Long_Double_Box_const_iterator_t ps, ppl_const_Long_Double_Box_t *d)
- int ppl_delete_Pointset_Powerset_Long_Double_Box_const_iterator (ppl_const_Pointset_Powerset_Long_Double_Box_const_iterator_t psit)

7.103.1 Detailed Description

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Long_Double_Box_tag.

7.103.2 Friends And Related Function Documentation

7.103.2.1 int ppl_new_Pointset_Powerset_Long_Double_Box_const_iterator (ppl_Pointset_Powerset_Long_Double_Box_const_iterator_t * *pit*) [related]

7.103.2.2 int ppl_new_Pointset_Powerset_Long_Double_Box_const_iterator_from_const_iterator (ppl_Pointset_Powerset_Long_Double_Box_const_iterator_t * *px*, ppl_const_Pointset_Powerset_Long_Double_Box_const_iterator_t *y*) [related]

7.103.2.3 int ppl_Pointset_Powerset_Long_Double_Box_const_iterator_begin (ppl_const_Pointset_Powerset_Long_Double_Box_t *ps*, ppl_Pointset_Powerset_Long_Double_Box_const_iterator_t *psit*) [related]

7.103.2.4 int ppl_Pointset_Powerset_Long_Double_Box_const_iterator_end (ppl_const_Pointset_Powerset_Long_Double_Box_t *ps*, ppl_Pointset_Powerset_Long_Double_Box_const_iterator_t *psit*) [related]

7.103.2.5 int ppl_Pointset_Powerset_Long_Double_Box_const_iterator_equal_test (ppl_const_Pointset_Powerset_Long_Double_Box_const_iterator_t *x*, ppl_const_Pointset_Powerset_Long_Double_Box_const_iterator_t *y*) [related]

7.103.2.6 int ppl_Pointset_Powerset_Long_Double_Box_const_iterator_increment (ppl_Pointset_Powerset_Long_Double_Box_const_iterator_t *psit*) [related]

7.103.2.7 int ppl_Pointset_Powerset_Long_Double_Box_const_iterator_decrement (ppl_Pointset_Powerset_Long_Double_Box_const_iterator_t *psit*) [related]

7.103.2.8 int ppl_Pointset_Powerset_Long_Double_Box_const_iterator_dereference (ppl_const_Pointset_Powerset_Long_Double_Box_const_iterator_t *ps*, ppl_const_Long_Double_Box_t * *d*) [related]

7.103.2.9 int ppl_delete_Pointset_Powerset_Long_Double_Box_const_iterator (ppl_const_Pointset_Powerset_Long_Double_Box_const_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.104 ppl_Pointset_Powerset_Long_Double_Box_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Long_Double_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Long_Double_Box_iterator (ppl_Pointset_Powerset_Long_Double_Box_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Long_Double_Box_iterator_from_iterator (ppl_Pointset_Powerset_Long_Double_Box_iterator_t *px, ppl_const_Pointset_Powerset_Long_Double_Box_iterator_t y)
- int ppl_Pointset_Powerset_Long_Double_Box_iterator_begin (ppl_Pointset_Powerset_Long_Double_Box_t ps, ppl_Pointset_Powerset_Long_Double_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Long_Double_Box_iterator_end (ppl_Pointset_Powerset_Long_Double_Box_t ps, ppl_Pointset_Powerset_Long_Double_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Long_Double_Box_iterator_equal_test (ppl_const_Pointset_Powerset_Long_Double_Box_iterator_t x, ppl_const_Pointset_Powerset_Long_Double_Box_iterator_t y)
- int ppl_Pointset_Powerset_Long_Double_Box_iterator_increment (ppl_Pointset_Powerset_Long_Double_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Long_Double_Box_iterator_decrement (ppl_Pointset_Powerset_Long_Double_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Long_Double_Box_iterator_dereference (ppl_const_Pointset_Powerset_Long_Double_Box_iterator_t ps, ppl_const_Long_Double_Box_t *d)
- int ppl_delete_Pointset_Powerset_Long_Double_Box_iterator (ppl_const_Pointset_Powerset_Long_Double_Box_iterator_t psit)

7.104.1 Detailed Description

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Long_Double_Box_tag.

7.104.2 Friends And Related Function Documentation

7.104.2.1 int ppl_new_Pointset_Powerset_Long_Double_Box_iterator (ppl_Pointset_Powerset_Long_Double_Box_iterator_t * *pit*) [related]

7.104.2.2 int ppl_new_Pointset_Powerset_Long_Double_Box_iterator_from_iterator (ppl_Pointset_Powerset_Long_Double_Box_iterator_t * *px*, ppl_const_Pointset_Powerset_Long_Double_Box_iterator_t *y*) [related]

7.104.2.3 int ppl_Pointset_Powerset_Long_Double_Box_iterator_begin (ppl_Pointset_Powerset_Long_Double_Box_t *ps*, ppl_Pointset_Powerset_Long_Double_Box_iterator_t *psit*) [related]

7.104.2.4 int ppl_Pointset_Powerset_Long_Double_Box_iterator_end (ppl_Pointset_Powerset_Long_Double_Box_t *ps*, ppl_Pointset_Powerset_Long_Double_Box_iterator_t *psit*) [related]

7.104.2.5 int ppl_Pointset_Powerset_Long_Double_Box_iterator_equal_test (ppl_const_Pointset_Powerset_Long_Double_Box_iterator_t *x*, ppl_const_Pointset_Powerset_Long_Double_Box_iterator_t *y*) [related]

7.104.2.6 int ppl_Pointset_Powerset_Long_Double_Box_iterator_increment (ppl_Pointset_Powerset_Long_Double_Box_iterator_t *psit*) [related]

7.104.2.7 int ppl_Pointset_Powerset_Long_Double_Box_iterator_decrement (ppl_Pointset_Powerset_Long_Double_Box_iterator_t *psit*) [related]

7.104.2.8 int ppl_Pointset_Powerset_Long_Double_Box_iterator_dereference (ppl_const_Pointset_Powerset_Long_Double_Box_iterator_t *ps*, ppl_const_Long_Double_Box_t * *d*) [related]

7.104.2.9 int ppl_delete_Pointset_Powerset_Long_Double_Box_iterator (ppl_const_Pointset_Powerset_Long_Double_Box_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.105 ppl_Pointset_Powerset_Long_Double_Box_tag Interface Reference

Types and functions for ppl_Pointset_Powerset_Long_Double_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Pointset_Powerset_Long_Double_Box (ppl_const_Pointset_Powerset_Long_Double_Box_t ph)
- int ppl_new_Pointset_Powerset_Long_Double_Box_from_space_dimension (ppl_Pointset_Powerset_Long_Double_Box_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Pointset_Powerset_Long_Double_Box_from_Pointset_Powerset_Long_Double_Box (ppl_Pointset_Powerset_Long_Double_Box_t *pph, ppl_const_Pointset_Powerset_Long_Double_Box_t ph)
- int ppl_new_Pointset_Powerset_Long_Double_Box_from_Long_Double_Box (ppl_Pointset_Powerset_Long_Double_Box_t *pph, ppl_const_Long_Double_Box_t ph)
- int ppl_new_Pointset_Powerset_Long_Double_Box_from_Pointset_Powerset_Long_Double_Box_with_complexity (ppl_Pointset_Powerset_Long_Double_Box_t *pph, ppl_const_Pointset_Powerset_Long_Double_Box_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Long_Double_Box_from_Long_Double_Box_with_complexity (ppl_Pointset_Powerset_Long_Double_Box_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Long_Double_Box_from_Constraint_System (ppl_Pointset_Powerset_Long_Double_Box_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Pointset_Powerset_Long_Double_Box_from_Congruence_System (ppl_Pointset_Powerset_Long_Double_Box_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Long_Double_Box_space_dimension (ppl_const_Pointset_Powerset_Long_Double_Box_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Long_Double_Box_affine_dimension (ppl_const_Pointset_Powerset_Long_Double_Box_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Long_Double_Box_relation_with_Constraint (ppl_const_Pointset_Powerset_Long_Double_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Long_Double_Box_relation_with_Generator (ppl_const_Pointset_Powerset_Long_Double_Box_t ph, ppl_const_Generator_t c)

- int ppl_Pointset_Powerset_Long_Double_Box_relation_with_Congruence (ppl_const_Pointset_Powerset_Long_Double_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Long_Double_Box_is_empty (ppl_const_Pointset_Powerset_Long_Double_Box_t ph)
- int ppl_Pointset_Powerset_Long_Double_Box_is_universe (ppl_const_Pointset_Powerset_Long_Double_Box_t ph)
- int ppl_Pointset_Powerset_Long_Double_Box_is_bounded (ppl_const_Pointset_Powerset_Long_Double_Box_t ph)
- int ppl_Pointset_Powerset_Long_Double_Box_contains_integer_point (ppl_const_Pointset_Powerset_Long_Double_Box_t ph)
- int ppl_Pointset_Powerset_Long_Double_Box_is_topologically_closed (ppl_const_Pointset_Powerset_Long_Double_Box_t ph)
- int ppl_Pointset_Powerset_Long_Double_Box_is_discrete (ppl_const_Pointset_Powerset_Long_Double_Box_t ph)
- int ppl_Pointset_Powerset_Long_Double_Box_topological_closure_assign (ppl_Pointset_Powerset_Long_Double_Box_t ph)
- int ppl_Pointset_Powerset_Long_Double_Box_pairwise_reduce (ppl_Pointset_Powerset_Long_Double_Box_t ph)
- int ppl_Pointset_Powerset_Long_Double_Box_omega_reduce (ppl_Pointset_Powerset_Long_Double_Box_t ph)
- int ppl_Pointset_Powerset_Long_Double_Box_bounds_from_above (ppl_const_Pointset_Powerset_Long_Double_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Long_Double_Box_bounds_from_below (ppl_const_Pointset_Powerset_Long_Double_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Long_Double_Box_maximize (ppl_const_Pointset_Powerset_Long_Double_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Long_Double_Box_minimize (ppl_const_Pointset_Powerset_Long_Double_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Long_Double_Box_maximize_with_point (ppl_const_Pointset_Powerset_Long_Double_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Long_Double_Box_minimize_with_point (ppl_const_Pointset_Powerset_Long_Double_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Long_Double_Box_contains_Pointset_Powerset_Long_Double_Box (ppl_const_Pointset_Powerset_Long_Double_Box_t x, ppl_const_Pointset_Powerset_Long_Double_Box_t y)
- int ppl_Pointset_Powerset_Long_Double_Box_strictly_contains_Pointset_Powerset_Long_Double_Box (ppl_const_Pointset_Powerset_Long_Double_Box_t x, ppl_const_Pointset_Powerset_Long_Double_Box_t y)
- int ppl_Pointset_Powerset_Long_Double_Box_is_disjoint_from_Pointset_Powerset_Long_Double_Box (ppl_const_Pointset_Powerset_Long_Double_Box_t x, ppl_const_Pointset_Powerset_Long_Double_Box_t y)
- int ppl_Pointset_Powerset_Long_Double_Box_geometrically_covers_Pointset_Powerset_Long_Double_Box (ppl_const_Pointset_Powerset_Long_Double_Box_t x, ppl_const_Pointset_Powerset_Long_Double_Box_t y)
- int ppl_Pointset_Powerset_Long_Double_Box_geometrically_equals_Pointset_Powerset_Long_Double_Box (ppl_const_Pointset_Powerset_Long_Double_Box_t x, ppl_const_Pointset_Powerset_Long_Double_Box_t y)

- int ppl_Pointset_Powerset_Long_Double_Box_equals_Pointset_Powerset_Long_Double_Box (ppl_const_Pointset_Powerset_Long_Double_Box_t x, ppl_const_Pointset_Powerset_Long_Double_Box_t y)
- int ppl_Pointset_Powerset_Long_Double_Box_OK (ppl_const_Pointset_Powerset_Long_Double_Box_t ph)
- int ppl_Pointset_Powerset_Long_Double_Box_add_constraint (ppl_Pointset_Powerset_Long_Double_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Long_Double_Box_add_congruence (ppl_Pointset_Powerset_Long_Double_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Long_Double_Box_add_constraints (ppl_Pointset_Powerset_Long_Double_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Long_Double_Box_add_congruences (ppl_Pointset_Powerset_Long_Double_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Long_Double_Box_refine_with_constraint (ppl_Pointset_Powerset_Long_Double_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Long_Double_Box_refine_with_congruence (ppl_Pointset_Powerset_Long_Double_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Long_Double_Box_refine_with_constraints (ppl_Pointset_Powerset_Long_Double_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Long_Double_Box_refine_with_congruences (ppl_Pointset_Powerset_Long_Double_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Long_Double_Box_intersection_assign (ppl_Pointset_Powerset_Long_Double_Box_t x, ppl_const_Pointset_Powerset_Long_Double_Box_t y)
- int ppl_Pointset_Powerset_Long_Double_Box_upper_bound_assign (ppl_Pointset_Powerset_Long_Double_Box_t x, ppl_const_Pointset_Powerset_Long_Double_Box_t y)
- int ppl_Pointset_Powerset_Long_Double_Box_difference_assign (ppl_Pointset_Powerset_Long_Double_Box_t x, ppl_const_Pointset_Powerset_Long_Double_Box_t y)
- int ppl_Pointset_Powerset_Long_Double_Box_concatenate_assign (ppl_Pointset_Powerset_Long_Double_Box_t x, ppl_const_Pointset_Powerset_Long_Double_Box_t y)
- int ppl_Pointset_Powerset_Long_Double_Box_time_elapse_assign (ppl_Pointset_Powerset_Long_Double_Box_t x, ppl_const_Pointset_Powerset_Long_Double_Box_t y)
- int ppl_Pointset_Powerset_Long_Double_Box_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Long_Double_Box_t x, ppl_const_Pointset_Powerset_Long_Double_Box_t y)
- int ppl_Pointset_Powerset_Long_Double_Box_simplify_using_context_assign (ppl_Pointset_Powerset_Long_Double_Box_t x, ppl_const_Pointset_Powerset_Long_Double_Box_t y)
- int ppl_Pointset_Powerset_Long_Double_Box_constrains (ppl_Pointset_Powerset_Long_Double_Box_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Long_Double_Box_unconstrain_space_dimension (ppl_Pointset_Powerset_Long_Double_Box_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Long_Double_Box_unconstrain_space_dimensions (ppl_Pointset_Powerset_Long_Double_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Long_Double_Box_affine_image (ppl_Pointset_Powerset_Long_Double_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Long_Double_Box_affine_preimage (ppl_Pointset_Powerset_Long_Double_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Long_Double_Box_bounded_affine_image (ppl_Pointset_Powerset_Long_Double_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Long_Double_Box_bounded_affine_preimage (ppl_Pointset_Powerset_Long_Double_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)

- int ppl_Pointset_Powerset_Long_Double_Box_generalized_affine_image (ppl_Pointset_Powerset_Long_Double_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Long_Double_Box_generalized_affine_preimage (ppl_Pointset_Powerset_Long_Double_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Long_Double_Box_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Long_Double_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Long_Double_Box_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Long_Double_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Long_Double_Box_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Long_Double_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Long_Double_Box_add_space_dimensions_and_project (ppl_Pointset_Powerset_Long_Double_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Long_Double_Box_remove_space_dimensions (ppl_Pointset_Powerset_Long_Double_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Long_Double_Box_remove_higher_space_dimensions (ppl_Pointset_Powerset_Long_Double_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Long_Double_Box_expand_space_dimension (ppl_Pointset_Powerset_Long_Double_Box_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Pointset_Powerset_Long_Double_Box_fold_space_dimensions (ppl_Pointset_Powerset_Long_Double_Box_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Long_Double_Box_map_space_dimensions (ppl_Pointset_Powerset_Long_Double_Box_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Pointset_Powerset_Long_Double_Box_drop_some_non_integer_points (ppl_Pointset_Powerset_Long_Double_Box_t ph, int complexity)
- int ppl_Pointset_Powerset_Long_Double_Box_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Long_Double_Box_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Pointset_Powerset_Long_Double_Box_external_memory_in_bytes (ppl_const_Pointset_Powerset_Long_Double_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Long_Double_Box_total_memory_in_bytes (ppl_const_Pointset_Powerset_Long_Double_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Long_Double_Box_size (ppl_const_Pointset_Powerset_Long_Double_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Long_Double_Box_add_disjunct (ppl_Pointset_Powerset_Long_Double_Box_t ps, ppl_const_Long_Double_Box_t d)
- int ppl_Pointset_Powerset_Long_Double_Box_drop_disjunct (ppl_Pointset_Powerset_Long_Double_Box_t ps, ppl_const_Pointset_Powerset_Long_Double_Box_iterator_t cit, ppl_Pointset_Powerset_Long_Double_Box_iterator_t it)
- int ppl_Pointset_Powerset_Long_Double_Box_drop_disjuncts (ppl_Pointset_Powerset_Long_Double_Box_t ps, ppl_const_Pointset_Powerset_Long_Double_Box_iterator_t first, ppl_const_Pointset_Powerset_Long_Double_Box_iterator_t last)
- int ppl_io_print_Pointset_Powerset_Long_Double_Box (ppl_const_Pointset_Powerset_Long_Double_Box_t x)
- int ppl_io_fprint_Pointset_Powerset_Long_Double_Box (FILE *stream, ppl_const_Pointset_Powerset_Long_Double_Box_t x)
- int ppl_io_asprint_Pointset_Powerset_Long_Double_Box (char **strp, ppl_const_Pointset_Powerset_Long_Double_Box_t x)
- int ppl_Pointset_Powerset_Long_Double_Box_ascii_dump (ppl_const_Pointset_Powerset_Long_Double_Box_t x, FILE *stream)

- int ppl_Pointset_Powerset_Long_Double_Box_ascii_load (ppl_Pointset_Powerset_Long_Double_-Box_t x, FILE ∗stream)

7.105.1 Detailed Description

Types and functions for ppl_Pointset_Powerset_Long_Double_Box_tag.

7.105.2 Friends And Related Function Documentation

7.105.2.1 int ppl_delete_Pointset_Powerset_Long_Double_Box (ppl_const_Pointset_Powerset_-Long_Double_Box_t *ph*) [related]

7.105.2.2 int ppl_new_Pointset_Powerset_Long_Double_Box_from_space_dimension (ppl_Pointset_Powerset_Long_Double_Box_t ∗ *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.105.2.3 int ppl_new_Pointset_Powerset_Long_Double_Box_from_Pointset_Powerset_-Long_Double_Box (ppl_Pointset_Powerset_Long_Double_Box_t ∗ *pph*, ppl_const_Pointset_Powerset_Long_Double_Box_t *ph*) [related]

7.105.2.4 int ppl_new_Pointset_Powerset_Long_Double_Box_from_Long_Double_Box (ppl_Pointset_Powerset_Long_Double_Box_t ∗ *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.105.2.5 int ppl_new_Pointset_Powerset_Long_Double_Box_from_Pointset_Powerset_Long_-Double_Box_with_complexity (ppl_Pointset_Powerset_Long_Double_Box_t ∗ *pph*, ppl_const_Pointset_Powerset_Long_Double_Box_t *ph*, int *complexity*) [related]

7.105.2.6 int ppl_new_Pointset_Powerset_Long_Double_Box_from_Long_Double_-Box_with_complexity (ppl_Pointset_Powerset_Long_Double_Box_t ∗ *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.105.2.7 int ppl_new_Pointset_Powerset_Long_Double_Box_from_Constraint_System (ppl_Pointset_Powerset_Long_Double_Box_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.105.2.8 int ppl_new_Pointset_Powerset_Long_Double_Box_from_Congruence_System (ppl_Pointset_Powerset_Long_Double_Box_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.105.2.9 int ppl_Pointset_Powerset_Long_Double_Box_space_dimension (ppl_const_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.105.2.10 int ppl_Pointset_Powerset_Long_Double_Box_affine_dimension (ppl_const_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.105.2.11 int ppl_Pointset_Powerset_Long_Double_Box_relation_with_Constraint (ppl_const_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.105.2.12 int ppl_Pointset_Powerset_Long_Double_Box_relation_with_Generator (ppl_const_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_const_Generator_t *c*) [related]

7.105.2.13 int ppl_Pointset_Powerset_Long_Double_Box_relation_with_Congruence (ppl_const_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.105.2.14 int ppl_Pointset_Powerset_Long_Double_Box_is_empty (ppl_const_Pointset_Powerset_Long_Double_Box_t *ph*) [related]

7.105.2.15 int ppl_Pointset_Powerset_Long_Double_Box_is_universe (ppl_const_Pointset_Powerset_Long_Double_Box_t *ph*) [related]

7.105.2.16 int ppl_Pointset_Powerset_Long_Double_Box_is_bounded (ppl_const_Pointset_Powerset_Long_Double_Box_t *ph*) [related]

7.105.2.17 int ppl_Pointset_Powerset_Long_Double_Box_contains_integer_point (ppl_const_Pointset_Powerset_Long_Double_Box_t *ph*) [related]

7.105.2.18 int ppl_Pointset_Powerset_Long_Double_Box_is_topologically_closed (ppl_const_Pointset_Powerset_Long_Double_Box_t *ph*) [related]

7.105.2.19 int ppl_Pointset_Powerset_Long_Double_Box_is_discrete (ppl_const_Pointset_Powerset_Long_Double_Box_t *ph*) [related]

7.105.2.20 int ppl_Pointset_Powerset_Long_Double_Box_topological_closure_assign (ppl_Pointset_Powerset_Long_Double_Box_t *ph*) [related]

7.105.2.21 int ppl_Pointset_Powerset_Long_Double_Box_pairwise_reduce (ppl_Pointset_Powerset_Long_Double_Box_t *ph*) [related]

7.105.2.22 int ppl_Pointset_Powerset_Long_Double_Box_omega_reduce (ppl_Pointset_Powerset_Long_Double_Box_t *ph*) [related]

7.105.2.23 int ppl_Pointset_Powerset_Long_Double_Box_bounds_from_above (ppl_const_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.105.2.24 int ppl_Pointset_Powerset_Long_Double_Box_bounds_from_below (ppl_const_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.105.2.25 int ppl_Pointset_Powerset_Long_Double_Box_maximize (ppl_const_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.105.2.26 int ppl_Pointset_Powerset_Long_Double_Box_minimize (ppl_const_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.105.2.27 int ppl_Pointset_Powerset_Long_Double_Box_maximize_with_point (ppl_const_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.105.2.28 int ppl_Pointset_Powerset_Long_Double_Box_minimize_with_point (ppl_const_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.105.2.29 int ppl_Pointset_Powerset_Long_Double_Box_contains_Pointset_Powerset_Long_Double_Box (ppl_const_Pointset_Powerset_Long_Double_Box_t *x*, ppl_const_Pointset_Powerset_Long_Double_Box_t *y*) [related]

7.105.2.30 int ppl_Pointset_Powerset_Long_Double_Box_strictly_contains_Pointset_Powerset_Long_Double_Box (ppl_const_Pointset_Powerset_Long_Double_Box_t *x*, ppl_const_Pointset_Powerset_Long_Double_Box_t *y*) [related]

7.105.2.31 int ppl_Pointset_Powerset_Long_Double_Box_is_disjoint_from_Pointset_Powerset_Long_Double_Box (ppl_const_Pointset_Powerset_Long_Double_Box_t *x*, ppl_const_Pointset_Powerset_Long_Double_Box_t *y*) [related]

7.105.2.32 int ppl_Pointset_Powerset_Long_Double_Box_geometrically_covers_Pointset_-Powerset_Long_Double_Box (ppl_const_Pointset_Powerset_Long_Double_Box_t *x*, ppl_const_Pointset_Powerset_Long_Double_Box_t *y*) [related]

7.105.2.33 int ppl_Pointset_Powerset_Long_Double_Box_geometrically_equals_Pointset_-Powerset_Long_Double_Box (ppl_const_Pointset_Powerset_Long_Double_Box_t *x*, ppl_const_Pointset_Powerset_Long_Double_Box_t *y*) [related]

7.105.2.34 int ppl_Pointset_Powerset_Long_Double_Box_equals_Pointset_Powerset_-Long_Double_Box (ppl_const_Pointset_Powerset_Long_Double_Box_t *x*, ppl_const_Pointset_Powerset_Long_Double_Box_t *y*) [related]

7.105.2.35 int ppl_Pointset_Powerset_Long_Double_Box_OK (ppl_const_Pointset_Powerset_-Long_Double_Box_t *ph*) [related]

7.105.2.36 int ppl_Pointset_Powerset_Long_Double_Box_add_constraint (ppl_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.105.2.37 int ppl_Pointset_Powerset_Long_Double_Box_add_congruence (ppl_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.105.2.38 int ppl_Pointset_Powerset_Long_Double_Box_add_constraints (ppl_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.105.2.39 int ppl_Pointset_Powerset_Long_Double_Box_add_congruences (ppl_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.105.2.40 int ppl_Pointset_Powerset_Long_Double_Box_refine_with_constraint (ppl_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.105.2.41 int ppl_Pointset_Powerset_Long_Double_Box_refine_with_congruence (ppl_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.105.2.42 int ppl_Pointset_Powerset_Long_Double_Box_refine_with_constraints (ppl_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.105.2.43 int ppl_Pointset_Powerset_Long_Double_Box_refine_with_congruences (ppl_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.105.2.44 int ppl_Pointset_Powerset_Long_Double_Box_intersection_assign (ppl_Pointset_Powerset_Long_Double_Box_t *x*, ppl_const_Pointset_Powerset_Long_Double_Box_t *y*) [related]

7.105.2.45 int ppl_Pointset_Powerset_Long_Double_Box_upper_bound_assign (ppl_Pointset_Powerset_Long_Double_Box_t *x*, ppl_const_Pointset_Powerset_Long_Double_Box_t *y*) [related]

7.105.2.46 int ppl_Pointset_Powerset_Long_Double_Box_difference_assign (ppl_Pointset_Powerset_Long_Double_Box_t *x*, ppl_const_Pointset_Powerset_Long_Double_Box_t *y*) [related]

7.105.2.47 int ppl_Pointset_Powerset_Long_Double_Box_concatenate_assign (ppl_Pointset_Powerset_Long_Double_Box_t *x*, ppl_const_Pointset_Powerset_Long_Double_Box_t *y*) [related]

7.105.2.48 int ppl_Pointset_Powerset_Long_Double_Box_time_elapse_assign (ppl_Pointset_Powerset_Long_Double_Box_t *x*, ppl_const_Pointset_Powerset_Long_Double_Box_t *y*) [related]

7.105.2.49 int ppl_Pointset_Powerset_Long_Double_Box_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Long_Double_Box_t *x*, ppl_const_Pointset_Powerset_Long_Double_Box_t *y*) [related]

7.105.2.50 int ppl_Pointset_Powerset_Long_Double_Box_simplify_using_context_assign (ppl_Pointset_Powerset_Long_Double_Box_t *x*, ppl_const_Pointset_Powerset_Long_Double_Box_t *y*) [related]

7.105.2.51 int ppl_Pointset_Powerset_Long_Double_Box_constrains (ppl_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_dimension_type *var*) [related]

7.105.2.52 int ppl_Pointset_Powerset_Long_Double_Box_unconstrain_space_dimension (ppl_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_dimension_type *var*) [related]

7.105.2.53 int ppl_Pointset_Powerset_Long_Double_Box_unconstrain_space_dimensions (ppl_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.105.2.54 int ppl_Pointset_Powerset_Long_Double_Box_affine_image (ppl_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.105.2.55 int ppl_Pointset_Powerset_Long_Double_Box_affine_preimage (ppl_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.105.2.56 int ppl_Pointset_Powerset_Long_Double_Box_bounded_affine_image (ppl_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.105.2.57 int ppl_Pointset_Powerset_Long_Double_Box_bounded_affine_preimage (ppl_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.105.2.58 int ppl_Pointset_Powerset_Long_Double_Box_generalized_affine_image (ppl_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.105.2.59 int ppl_Pointset_Powerset_Long_Double_Box_generalized_affine_preimage (ppl_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.105.2.60 int ppl_Pointset_Powerset_Long_Double_Box_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.105.2.61 int ppl_Pointset_Powerset_Long_Double_Box_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.105.2.62 int ppl_Pointset_Powerset_Long_Double_Box_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_dimension_type *d*) [related]

7.105.2.63 int ppl_Pointset_Powerset_Long_Double_Box_add_space_dimensions_and_project (ppl_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_dimension_type *d*) [related]

7.105.2.64 int ppl_Pointset_Powerset_Long_Double_Box_remove_space_dimensions (ppl_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.105.2.65 int ppl_Pointset_Powerset_Long_Double_Box_remove_higher_space_dimensions (ppl_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_dimension_type *d*) [related]

7.105.2.66 int ppl_Pointset_Powerset_Long_Double_Box_expand_space_dimension (ppl_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.105.2.67 int ppl_Pointset_Powerset_Long_Double_Box_fold_space_dimensions (ppl_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.105.2.68 int ppl_Pointset_Powerset_Long_Double_Box_map_space_dimensions (ppl_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.105.2.69 int ppl_Pointset_Powerset_Long_Double_Box_drop_some_non_integer_points (ppl_Pointset_Powerset_Long_Double_Box_t *ph*, int *complexity*) [related]

7.105.2.70 int ppl_Pointset_Powerset_Long_Double_Box_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Long_Double_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.105.2.71 int ppl_Pointset_Powerset_Long_Double_Box_external_memory_in_bytes (ppl_const_Pointset_Powerset_Long_Double_Box_t *ps*, size_t * *sz*) [related]

7.105.2.72 int ppl_Pointset_Powerset_Long_Double_Box_total_memory_in_bytes (ppl_const_Pointset_Powerset_Long_Double_Box_t *ps*, size_t * *sz*) [related]

7.105.2.73 int ppl_Pointset_Powerset_Long_Double_Box_size (ppl_const_Pointset_Powerset_Long_Double_Box_t *ps*, size_t * *sz*) [related]

7.105.2.74 int ppl_Pointset_Powerset_Long_Double_Box_add_disjunct (ppl_Pointset_Powerset_Long_Double_Box_t *ps*, ppl_const_Long_Double_Box_t *d*) [related]

7.105.2.75 int ppl_Pointset_Powerset_Long_Double_Box_drop_disjunct (ppl_Pointset_Powerset_Long_Double_Box_t *ps*, ppl_const_Pointset_Powerset_Long_Double_Box_iterator_t *cit*, ppl_Pointset_Powerset_Long_Double_Box_iterator_t *it*) [related]

7.105.2.76 int ppl_Pointset_Powerset_Long_Double_Box_drop_disjuncts (ppl_Pointset_Powerset_Long_Double_Box_t *ps*, ppl_const_Pointset_Powerset_Long_Double_Box_iterator_t *first*, ppl_const_Pointset_Powerset_Long_Double_Box_iterator_t *last*) [related]

7.105.2.77 int ppl_io_print_Pointset_Powerset_Long_Double_Box (ppl_const_Pointset_Powerset_Long_Double_Box_t *x*) [related]

7.105.2.78 int ppl_io_fprint_Pointset_Powerset_Long_Double_Box (FILE * *stream*, ppl_const_Pointset_Powerset_Long_Double_Box_t *x*) [related]

7.105.2.79 int ppl_io_asprint_Pointset_Powerset_Long_Double_Box (char ** *strp*, ppl_const_Pointset_Powerset_Long_Double_Box_t *x*) [related]

7.105.2.80 int ppl_Pointset_Powerset_Long_Double_Box_ascii_dump (ppl_const_Pointset_Powerset_Long_Double_Box_t *x*, FILE * *stream*) [related]

7.105.2.81 int ppl_Pointset_Powerset_Long_Double_Box_ascii_load (ppl_Pointset_Powerset_Long_Double_Box_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.106 ppl_Pointset_Powerset_NNC_Polyhedron_const_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_NNC_Polyhedron_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_NNC_Polyhedron_const_iterator (ppl_Pointset_Powerset_NNC_Polyhedron_const_iterator_t *pit)
- int ppl_new_Pointset_Powerset_NNC_Polyhedron_const_iterator_from_const_iterator (ppl_Pointset_Powerset_NNC_Polyhedron_const_iterator_t *px, ppl_const_Pointset_Powerset_NNC_Polyhedron_const_iterator_t y)
- int ppl_Pointset_Powerset_NNC_Polyhedron_const_iterator_begin (ppl_const_Pointset_Powerset_NNC_Polyhedron_t ps, ppl_Pointset_Powerset_NNC_Polyhedron_const_iterator_t psit)
- int ppl_Pointset_Powerset_NNC_Polyhedron_const_iterator_end (ppl_const_Pointset_Powerset_NNC_Polyhedron_t ps, ppl_Pointset_Powerset_NNC_Polyhedron_const_iterator_t psit)
- int ppl_Pointset_Powerset_NNC_Polyhedron_const_iterator_equal_test (ppl_const_Pointset_Powerset_NNC_Polyhedron_const_iterator_t x, ppl_const_Pointset_Powerset_NNC_Polyhedron_const_iterator_t y)
- int ppl_Pointset_Powerset_NNC_Polyhedron_const_iterator_increment (ppl_Pointset_Powerset_NNC_Polyhedron_const_iterator_t psit)
- int ppl_Pointset_Powerset_NNC_Polyhedron_const_iterator_decrement (ppl_Pointset_Powerset_NNC_Polyhedron_const_iterator_t psit)
- int ppl_Pointset_Powerset_NNC_Polyhedron_const_iterator_dereference (ppl_const_Pointset_Powerset_NNC_Polyhedron_const_iterator_t ps, ppl_const_Polyhedron_t *d)
- int ppl_delete_Pointset_Powerset_NNC_Polyhedron_const_iterator (ppl_const_Pointset_Powerset_NNC_Polyhedron_const_iterator_t psit)

7.106.1 Detailed Description

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_NNC_Polyhedron_tag.

7.106.2 Friends And Related Function Documentation

7.106.2.1 int ppl_new_Pointset_Powerset_NNC_Polyhedron_const_iterator (ppl_Pointset_Powerset_NNC_Polyhedron_const_iterator_t * *pit*) [related]

7.106.2.2 int ppl_new_Pointset_Powerset_NNC_Polyhedron_const_iterator_from_const_iterator (ppl_Pointset_Powerset_NNC_Polyhedron_const_iterator_t * *px*, ppl_const_Pointset_Powerset_NNC_Polyhedron_const_iterator_t *y*) [related]

7.106.2.3 int ppl_Pointset_Powerset_NNC_Polyhedron_const_iterator_begin (ppl_const_Pointset_Powerset_NNC_Polyhedron_t *ps*, ppl_Pointset_Powerset_NNC_Polyhedron_const_iterator_t *psit*) [related]

7.106.2.4 int ppl_Pointset_Powerset_NNC_Polyhedron_const_iterator_end (ppl_const_Pointset_Powerset_NNC_Polyhedron_t *ps*, ppl_Pointset_Powerset_NNC_Polyhedron_const_iterator_t *psit*) [related]

7.106.2.5 int ppl_Pointset_Powerset_NNC_Polyhedron_const_iterator_equal_test (ppl_const_Pointset_Powerset_NNC_Polyhedron_const_iterator_t *x*, ppl_const_Pointset_Powerset_NNC_Polyhedron_const_iterator_t *y*) [related]

7.106.2.6 int ppl_Pointset_Powerset_NNC_Polyhedron_const_iterator_increment (ppl_Pointset_Powerset_NNC_Polyhedron_const_iterator_t *psit*) [related]

7.106.2.7 int ppl_Pointset_Powerset_NNC_Polyhedron_const_iterator_decrement (ppl_Pointset_Powerset_NNC_Polyhedron_const_iterator_t *psit*) [related]

7.106.2.8 int ppl_Pointset_Powerset_NNC_Polyhedron_const_iterator_dereference (ppl_const_Pointset_Powerset_NNC_Polyhedron_const_iterator_t *ps*, ppl_const_Polyhedron_t * *d*) [related]

7.106.2.9 int ppl_delete_Pointset_Powerset_NNC_Polyhedron_const_iterator (ppl_const_Pointset_Powerset_NNC_Polyhedron_const_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.107 ppl_Pointset_Powerset_NNC_Polyhedron_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_NNC_Polyhedron_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_NNC_Polyhedron_iterator (ppl_Pointset_Powerset_NNC_Polyhedron_iterator_t *pit)
- int ppl_new_Pointset_Powerset_NNC_Polyhedron_iterator_from_iterator (ppl_Pointset_Powerset_NNC_Polyhedron_iterator_t *px, ppl_const_Pointset_Powerset_NNC_Polyhedron_iterator_t y)
- int ppl_Pointset_Powerset_NNC_Polyhedron_iterator_begin (ppl_Pointset_Powerset_NNC_Polyhedron_t ps, ppl_Pointset_Powerset_NNC_Polyhedron_iterator_t psit)
- int ppl_Pointset_Powerset_NNC_Polyhedron_iterator_end (ppl_Pointset_Powerset_NNC_Polyhedron_t ps, ppl_Pointset_Powerset_NNC_Polyhedron_iterator_t psit)
- int ppl_Pointset_Powerset_NNC_Polyhedron_iterator_equal_test (ppl_const_Pointset_Powerset_NNC_Polyhedron_iterator_t x, ppl_const_Pointset_Powerset_NNC_Polyhedron_iterator_t y)
- int ppl_Pointset_Powerset_NNC_Polyhedron_iterator_increment (ppl_Pointset_Powerset_NNC_Polyhedron_iterator_t psit)
- int ppl_Pointset_Powerset_NNC_Polyhedron_iterator_decrement (ppl_Pointset_Powerset_NNC_Polyhedron_iterator_t psit)
- int ppl_Pointset_Powerset_NNC_Polyhedron_iterator_dereference (ppl_const_Pointset_Powerset_NNC_Polyhedron_iterator_t ps, ppl_const_Polyhedron_t *d)
- int ppl_delete_Pointset_Powerset_NNC_Polyhedron_iterator (ppl_const_Pointset_Powerset_NNC_Polyhedron_iterator_t psit)

7.107.1 Detailed Description

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_NNC_Polyhedron_tag.

7.107.2 Friends And Related Function Documentation

7.107.2.1 int ppl_new_Pointset_Powerset_NNC_Polyhedron_iterator (ppl_Pointset_Powerset_NNC_Polyhedron_iterator_t * *pit*) [related]

7.107.2.2 int ppl_new_Pointset_Powerset_NNC_Polyhedron_iterator_from_iterator (ppl_Pointset_Powerset_NNC_Polyhedron_iterator_t * *px*, ppl_const_Pointset_Powerset_NNC_Polyhedron_iterator_t *y*) [related]

7.107.2.3 int ppl_Pointset_Powerset_NNC_Polyhedron_iterator_begin (ppl_Pointset_Powerset_NNC_Polyhedron_t *ps*, ppl_Pointset_Powerset_NNC_Polyhedron_iterator_t *psit*) [related]

7.107.2.4 int ppl_Pointset_Powerset_NNC_Polyhedron_iterator_end (ppl_Pointset_Powerset_NNC_Polyhedron_t *ps*, ppl_Pointset_Powerset_NNC_Polyhedron_iterator_t *psit*) [related]

7.107.2.5 int ppl_Pointset_Powerset_NNC_Polyhedron_iterator_equal_test (ppl_const_Pointset_Powerset_NNC_Polyhedron_iterator_t *x*, ppl_const_Pointset_Powerset_NNC_Polyhedron_iterator_t *y*) [related]

7.107.2.6 int ppl_Pointset_Powerset_NNC_Polyhedron_iterator_increment (ppl_Pointset_Powerset_NNC_Polyhedron_iterator_t *psit*) [related]

7.107.2.7 int ppl_Pointset_Powerset_NNC_Polyhedron_iterator_decrement (ppl_Pointset_Powerset_NNC_Polyhedron_iterator_t *psit*) [related]

7.107.2.8 int ppl_Pointset_Powerset_NNC_Polyhedron_iterator_dereference (ppl_const_Pointset_Powerset_NNC_Polyhedron_iterator_t *ps*, ppl_const_Polyhedron_t * *d*) [related]

7.107.2.9 int ppl_delete_Pointset_Powerset_NNC_Polyhedron_iterator (ppl_const_Pointset_Powerset_NNC_Polyhedron_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.108 ppl_Pointset_Powerset_NNC_Polyhedron_tag Interface Reference

Types and functions for ppl_Pointset_Powerset_NNC_Polyhedron_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Pointset_Powerset_NNC_Polyhedron (ppl_const_Pointset_Powerset_NNC_Polyhedron_t ph)
- int ppl_new_Pointset_Powerset_NNC_Polyhedron_from_space_dimension (ppl_Pointset_Powerset_NNC_Polyhedron_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Pointset_Powerset_NNC_Polyhedron_from_Pointset_Powerset_NNC_Polyhedron (ppl_Pointset_Powerset_NNC_Polyhedron_t *pph, ppl_const_Pointset_Powerset_NNC_Polyhedron_t ph)
- int ppl_new_Pointset_Powerset_NNC_Polyhedron_from_NNC_Polyhedron (ppl_Pointset_Powerset_NNC_Polyhedron_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Pointset_Powerset_NNC_Polyhedron_from_Pointset_Powerset_NNC_Polyhedron_with_complexity (ppl_Pointset_Powerset_NNC_Polyhedron_t *pph, ppl_const_Pointset_Powerset_NNC_Polyhedron_t ph, int complexity)
- int ppl_new_Pointset_Powerset_NNC_Polyhedron_from_NNC_Polyhedron_with_complexity (ppl_Pointset_Powerset_NNC_Polyhedron_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Pointset_Powerset_NNC_Polyhedron_from_Constraint_System (ppl_Pointset_Powerset_NNC_Polyhedron_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Pointset_Powerset_NNC_Polyhedron_from_Congruence_System (ppl_Pointset_Powerset_NNC_Polyhedron_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_NNC_Polyhedron_space_dimension (ppl_const_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_NNC_Polyhedron_affine_dimension (ppl_const_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_NNC_Polyhedron_relation_with_Constraint (ppl_const_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_NNC_Polyhedron_relation_with_Generator (ppl_const_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_const_Generator_t c)
- int ppl_Pointset_Powerset_NNC_Polyhedron_relation_with_Congruence (ppl_const_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_NNC_Polyhedron_is_empty (ppl_const_Pointset_Powerset_NNC_Polyhedron_t ph)
- int ppl_Pointset_Powerset_NNC_Polyhedron_is_universe (ppl_const_Pointset_Powerset_NNC_Polyhedron_t ph)
- int ppl_Pointset_Powerset_NNC_Polyhedron_is_bounded (ppl_const_Pointset_Powerset_NNC_Polyhedron_t ph)
- int ppl_Pointset_Powerset_NNC_Polyhedron_contains_integer_point (ppl_const_Pointset_Powerset_NNC_Polyhedron_t ph)
- int ppl_Pointset_Powerset_NNC_Polyhedron_is_topologically_closed (ppl_const_Pointset_Powerset_NNC_Polyhedron_t ph)
- int ppl_Pointset_Powerset_NNC_Polyhedron_is_discrete (ppl_const_Pointset_Powerset_NNC_Polyhedron_t ph)
- int ppl_Pointset_Powerset_NNC_Polyhedron_topological_closure_assign (ppl_Pointset_Powerset_NNC_Polyhedron_t ph)

- int ppl_Pointset_Powerset_NNC_Polyhedron_pairwise_reduce (ppl_Pointset_Powerset_NNC_Polyhedron_t ph)
- int ppl_Pointset_Powerset_NNC_Polyhedron_omega_reduce (ppl_Pointset_Powerset_NNC_Polyhedron_t ph)
- int ppl_Pointset_Powerset_NNC_Polyhedron_bounds_from_above (ppl_const_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_NNC_Polyhedron_bounds_from_below (ppl_const_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_NNC_Polyhedron_maximize (ppl_const_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_NNC_Polyhedron_minimize (ppl_const_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_NNC_Polyhedron_maximize_with_point (ppl_const_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_NNC_Polyhedron_minimize_with_point (ppl_const_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_NNC_Polyhedron_contains_Pointset_Powerset_NNC_Polyhedron (ppl_const_Pointset_Powerset_NNC_Polyhedron_t x, ppl_const_Pointset_Powerset_NNC_Polyhedron_t y)
- int ppl_Pointset_Powerset_NNC_Polyhedron_strictly_contains_Pointset_Powerset_NNC_Polyhedron (ppl_const_Pointset_Powerset_NNC_Polyhedron_t x, ppl_const_Pointset_Powerset_NNC_Polyhedron_t y)
- int ppl_Pointset_Powerset_NNC_Polyhedron_is_disjoint_from_Pointset_Powerset_NNC_Polyhedron (ppl_const_Pointset_Powerset_NNC_Polyhedron_t x, ppl_const_Pointset_Powerset_NNC_Polyhedron_t y)
- int ppl_Pointset_Powerset_NNC_Polyhedron_geometrically_covers_Pointset_Powerset_NNC_Polyhedron (ppl_const_Pointset_Powerset_NNC_Polyhedron_t x, ppl_const_Pointset_Powerset_NNC_Polyhedron_t y)
- int ppl_Pointset_Powerset_NNC_Polyhedron_geometrically_equals_Pointset_Powerset_NNC_Polyhedron (ppl_const_Pointset_Powerset_NNC_Polyhedron_t x, ppl_const_Pointset_Powerset_NNC_Polyhedron_t y)
- int ppl_Pointset_Powerset_NNC_Polyhedron_equals_Pointset_Powerset_NNC_Polyhedron (ppl_const_Pointset_Powerset_NNC_Polyhedron_t x, ppl_const_Pointset_Powerset_NNC_Polyhedron_t y)
- int ppl_Pointset_Powerset_NNC_Polyhedron_OK (ppl_const_Pointset_Powerset_NNC_Polyhedron_t ph)
- int ppl_Pointset_Powerset_NNC_Polyhedron_add_constraint (ppl_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_NNC_Polyhedron_add_congruence (ppl_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_NNC_Polyhedron_add_constraints (ppl_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_NNC_Polyhedron_add_congruences (ppl_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_NNC_Polyhedron_refine_with_constraint (ppl_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_NNC_Polyhedron_refine_with_congruence (ppl_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_const_Congruence_t c)

- int ppl_Pointset_Powerset_NNC_Polyhedron_refine_with_constraints (ppl_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_NNC_Polyhedron_refine_with_congruences (ppl_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_NNC_Polyhedron_intersection_assign (ppl_Pointset_Powerset_NNC_Polyhedron_t x, ppl_const_Pointset_Powerset_NNC_Polyhedron_t y)
- int ppl_Pointset_Powerset_NNC_Polyhedron_upper_bound_assign (ppl_Pointset_Powerset_NNC_Polyhedron_t x, ppl_const_Pointset_Powerset_NNC_Polyhedron_t y)
- int ppl_Pointset_Powerset_NNC_Polyhedron_difference_assign (ppl_Pointset_Powerset_NNC_Polyhedron_t x, ppl_const_Pointset_Powerset_NNC_Polyhedron_t y)
- int ppl_Pointset_Powerset_NNC_Polyhedron_concatenate_assign (ppl_Pointset_Powerset_NNC_Polyhedron_t x, ppl_const_Pointset_Powerset_NNC_Polyhedron_t y)
- int ppl_Pointset_Powerset_NNC_Polyhedron_time_elapse_assign (ppl_Pointset_Powerset_NNC_Polyhedron_t x, ppl_const_Pointset_Powerset_NNC_Polyhedron_t y)
- int ppl_Pointset_Powerset_NNC_Polyhedron_upper_bound_assign_if_exact (ppl_Pointset_Powerset_NNC_Polyhedron_t x, ppl_const_Pointset_Powerset_NNC_Polyhedron_t y)
- int ppl_Pointset_Powerset_NNC_Polyhedron_simplify_using_context_assign (ppl_Pointset_Powerset_NNC_Polyhedron_t x, ppl_const_Pointset_Powerset_NNC_Polyhedron_t y)
- int ppl_Pointset_Powerset_NNC_Polyhedron_constrains (ppl_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_NNC_Polyhedron_unconstrain_space_dimension (ppl_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_NNC_Polyhedron_unconstrain_space_dimensions (ppl_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_NNC_Polyhedron_affine_image (ppl_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_NNC_Polyhedron_affine_preimage (ppl_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_NNC_Polyhedron_bounded_affine_image (ppl_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_NNC_Polyhedron_bounded_affine_preimage (ppl_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_NNC_Polyhedron_generalized_affine_image (ppl_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_NNC_Polyhedron_generalized_affine_preimage (ppl_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_NNC_Polyhedron_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_NNC_Polyhedron_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_NNC_Polyhedron_add_space_dimensions_and_embed (ppl_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_NNC_Polyhedron_add_space_dimensions_and_project (ppl_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_dimension_type d)

- int ppl_Pointset_Powerset_NNC_Polyhedron_remove_space_dimensions (ppl_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_NNC_Polyhedron_remove_higher_space_dimensions (ppl_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_NNC_Polyhedron_expand_space_dimension (ppl_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Pointset_Powerset_NNC_Polyhedron_fold_space_dimensions (ppl_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Pointset_Powerset_NNC_Polyhedron_map_space_dimensions (ppl_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Pointset_Powerset_NNC_Polyhedron_drop_some_non_integer_points (ppl_Pointset_Powerset_NNC_Polyhedron_t ph, int complexity)
- int ppl_Pointset_Powerset_NNC_Polyhedron_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_NNC_Polyhedron_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Pointset_Powerset_NNC_Polyhedron_external_memory_in_bytes (ppl_const_Pointset_Powerset_NNC_Polyhedron_t ps, size_t *sz)
- int ppl_Pointset_Powerset_NNC_Polyhedron_total_memory_in_bytes (ppl_const_Pointset_Powerset_NNC_Polyhedron_t ps, size_t *sz)
- int ppl_Pointset_Powerset_NNC_Polyhedron_size (ppl_const_Pointset_Powerset_NNC_Polyhedron_t ps, size_t *sz)
- int ppl_Pointset_Powerset_NNC_Polyhedron_add_disjunct (ppl_Pointset_Powerset_NNC_Polyhedron_t ps, ppl_const_Polyhedron_t d)
- int ppl_Pointset_Powerset_NNC_Polyhedron_drop_disjunct (ppl_Pointset_Powerset_NNC_Polyhedron_t ps, ppl_const_Pointset_Powerset_NNC_Polyhedron_iterator_t cit, ppl_Pointset_Powerset_NNC_Polyhedron_iterator_t it)
- int ppl_Pointset_Powerset_NNC_Polyhedron_drop_disjuncts (ppl_Pointset_Powerset_NNC_Polyhedron_t ps, ppl_const_Pointset_Powerset_NNC_Polyhedron_iterator_t first, ppl_const_Pointset_Powerset_NNC_Polyhedron_iterator_t last)
- int ppl_Pointset_Powerset_NNC_Polyhedron_BHZ03_BHRZ03_BHRZ03_widening_assign (ppl_Pointset_Powerset_NNC_Polyhedron_t x, ppl_const_Pointset_Powerset_NNC_Polyhedron_t y)
- int ppl_Pointset_Powerset_NNC_Polyhedron_BHZ03_H79_H79_widening_assign (ppl_Pointset_Powerset_NNC_Polyhedron_t x, ppl_const_Pointset_Powerset_NNC_Polyhedron_t y)
- int ppl_Pointset_Powerset_NNC_Polyhedron_BGP99_BHRZ03_extrapolation_assign (ppl_Pointset_Powerset_NNC_Polyhedron_t x, ppl_const_Pointset_Powerset_NNC_Polyhedron_t y, int disjuncts)
- int ppl_Pointset_Powerset_NNC_Polyhedron_BGP99_H79_extrapolation_assign (ppl_Pointset_Powerset_NNC_Polyhedron_t x, ppl_const_Pointset_Powerset_NNC_Polyhedron_t y, int disjuncts)
- int ppl_io_print_Pointset_Powerset_NNC_Polyhedron (ppl_const_Pointset_Powerset_NNC_Polyhedron_t x)
- int ppl_io_fprint_Pointset_Powerset_NNC_Polyhedron (FILE *stream, ppl_const_Pointset_Powerset_NNC_Polyhedron_t x)
- int ppl_io_asprint_Pointset_Powerset_NNC_Polyhedron (char **strp, ppl_const_Pointset_Powerset_NNC_Polyhedron_t x)
- int ppl_Pointset_Powerset_NNC_Polyhedron_ascii_dump (ppl_const_Pointset_Powerset_NNC_Polyhedron_t x, FILE *stream)
- int ppl_Pointset_Powerset_NNC_Polyhedron_ascii_load (ppl_Pointset_Powerset_NNC_Polyhedron_t x, FILE *stream)

7.108.1 Detailed Description

Types and functions for ppl_Pointset_Powerset_NNC_Polyhedron_tag.

7.108.2 Friends And Related Function Documentation

7.108.2.1 int ppl_delete_Pointset_Powerset_NNC_Polyhedron (ppl_const_Pointset_Powerset_NNC_Polyhedron_t *ph*) [related]

7.108.2.2 int ppl_new_Pointset_Powerset_NNC_Polyhedron_from_space_dimension (ppl_Pointset_Powerset_NNC_Polyhedron_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.108.2.3 int ppl_new_Pointset_Powerset_NNC_Polyhedron_from_Pointset_Powerset_NNC_Polyhedron (ppl_Pointset_Powerset_NNC_Polyhedron_t * *pph*, ppl_const_Pointset_Powerset_NNC_Polyhedron_t *ph*) [related]

7.108.2.4 int ppl_new_Pointset_Powerset_NNC_Polyhedron_from_NNC_Polyhedron (ppl_Pointset_Powerset_NNC_Polyhedron_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.108.2.5 int ppl_new_Pointset_Powerset_NNC_Polyhedron_from_Pointset_Powerset_NNC_Polyhedron_with_complexity (ppl_Pointset_Powerset_NNC_Polyhedron_t * *pph*, ppl_const_Pointset_Powerset_NNC_Polyhedron_t *ph*, int *complexity*) [related]

7.108.2.6 int ppl_new_Pointset_Powerset_NNC_Polyhedron_from_NNC_Polyhedron_with_complexity (ppl_Pointset_Powerset_NNC_Polyhedron_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.108.2.7 int ppl_new_Pointset_Powerset_NNC_Polyhedron_from_Constraint_System (ppl_Pointset_Powerset_NNC_Polyhedron_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.108.2.8 int ppl_new_Pointset_Powerset_NNC_Polyhedron_from_Congruence_System (ppl_Pointset_Powerset_NNC_Polyhedron_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.108.2.9 int ppl_Pointset_Powerset_NNC_Polyhedron_space_dimension (ppl_const_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_dimension_type * *m*) [related]

7.108.2.10 int ppl_Pointset_Powerset_NNC_Polyhedron_affine_dimension (ppl_const_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_dimension_type * *m*) [related]

7.108.2.11 int ppl_Pointset_Powerset_NNC_Polyhedron_relation_with_Constraint (ppl_const_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_const_Constraint_t *c*) [related]

7.108.2.12 int ppl_Pointset_Powerset_NNC_Polyhedron_relation_with_Generator (ppl_const_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_const_Generator_t *c*) [related]

7.108.2.13 int ppl_Pointset_Powerset_NNC_Polyhedron_relation_with_Congruence (ppl_const_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_const_Congruence_t *c*) [related]

7.108.2.14 int ppl_Pointset_Powerset_NNC_Polyhedron_is_empty (ppl_const_Pointset_Powerset_NNC_Polyhedron_t *ph*) [related]

7.108.2.15 int ppl_Pointset_Powerset_NNC_Polyhedron_is_universe (ppl_const_Pointset_Powerset_NNC_Polyhedron_t *ph*) [related]

7.108.2.16 int ppl_Pointset_Powerset_NNC_Polyhedron_is_bounded (ppl_const_Pointset_Powerset_NNC_Polyhedron_t *ph*) [related]

7.108.2.17 int ppl_Pointset_Powerset_NNC_Polyhedron_contains_integer_point (ppl_const_Pointset_Powerset_NNC_Polyhedron_t *ph*) [related]

7.108.2.18 int ppl_Pointset_Powerset_NNC_Polyhedron_is_topologically_closed (ppl_const_Pointset_Powerset_NNC_Polyhedron_t *ph*) [related]

7.108.2.19 int ppl_Pointset_Powerset_NNC_Polyhedron_is_discrete (ppl_const_Pointset_Powerset_NNC_Polyhedron_t *ph*) [related]

7.108.2.20 int ppl_Pointset_Powerset_NNC_Polyhedron_topological_closure_assign (ppl_Pointset_Powerset_NNC_Polyhedron_t *ph*) [related]

7.108.2.21 int ppl_Pointset_Powerset_NNC_Polyhedron_pairwise_reduce (ppl_Pointset_Powerset_NNC_Polyhedron_t *ph*) [related]

7.108.2.22 int ppl_Pointset_Powerset_NNC_Polyhedron_omega_reduce (ppl_Pointset_Powerset_NNC_Polyhedron_t *ph*) [related]

7.108.2.23 int ppl_Pointset_Powerset_NNC_Polyhedron_bounds_from_above (ppl_const_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.108.2.24 int ppl_Pointset_Powerset_NNC_Polyhedron_bounds_from_below (ppl_const_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.108.2.25 int ppl_Pointset_Powerset_NNC_Polyhedron_maximize (ppl_const_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.108.2.26 int ppl_Pointset_Powerset_NNC_Polyhedron_minimize (ppl_const_Pointset_-Powerset_NNC_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.108.2.27 int ppl_Pointset_Powerset_NNC_Polyhedron_maximize_with_point (ppl_const_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.108.2.28 int ppl_Pointset_Powerset_NNC_Polyhedron_minimize_with_point (ppl_const_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.108.2.29 int ppl_Pointset_Powerset_NNC_Polyhedron_contains_Pointset_Powerset_-NNC_Polyhedron (ppl_const_Pointset_Powerset_NNC_Polyhedron_t *x*, ppl_const_Pointset_Powerset_NNC_Polyhedron_t *y*) [related]

7.108.2.30 int ppl_Pointset_Powerset_NNC_Polyhedron_strictly_contains_Pointset_-Powerset_NNC_Polyhedron (ppl_const_Pointset_Powerset_NNC_Polyhedron_t *x*, ppl_const_Pointset_Powerset_NNC_Polyhedron_t *y*) [related]

7.108.2.31 int ppl_Pointset_Powerset_NNC_Polyhedron_is_disjoint_from_Pointset_-Powerset_NNC_Polyhedron (ppl_const_Pointset_Powerset_NNC_Polyhedron_t *x*, ppl_const_Pointset_Powerset_NNC_Polyhedron_t *y*) [related]

7.108.2.32 int ppl_Pointset_Powerset_NNC_Polyhedron_geometrically_covers_Pointset_-Powerset_NNC_Polyhedron (ppl_const_Pointset_Powerset_NNC_Polyhedron_t *x*, ppl_const_Pointset_Powerset_NNC_Polyhedron_t *y*) [related]

7.108.2.33 int ppl_Pointset_Powerset_NNC_Polyhedron_geometrically_equals_Pointset_-Powerset_NNC_Polyhedron (ppl_const_Pointset_Powerset_NNC_Polyhedron_t *x*, ppl_const_Pointset_Powerset_NNC_Polyhedron_t *y*) [related]

7.108.2.34 int ppl_Pointset_Powerset_NNC_Polyhedron_equals_Pointset_Powerset_-NNC_Polyhedron (ppl_const_Pointset_Powerset_NNC_Polyhedron_t *x*, ppl_const_Pointset_Powerset_NNC_Polyhedron_t *y*) [related]

7.108.2.35 int ppl_Pointset_Powerset_NNC_Polyhedron_OK (ppl_const_Pointset_Powerset_-NNC_Polyhedron_t *ph*) [related]

7.108.2.36 int ppl_Pointset_Powerset_NNC_Polyhedron_add_constraint (ppl_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_const_Constraint_t *c*) [related]

7.108.2.37 int ppl_Pointset_Powerset_NNC_Polyhedron_add_congruence (ppl_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_const_Congruence_t *c*) [related]

7.108.2.38 int ppl_Pointset_Powerset_NNC_Polyhedron_add_constraints (ppl_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.108.2.39 int ppl_Pointset_Powerset_NNC_Polyhedron_add_congruences (ppl_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.108.2.40 int ppl_Pointset_Powerset_NNC_Polyhedron_refine_with_constraint (ppl_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_const_Constraint_t *c*) [related]

7.108.2.41 int ppl_Pointset_Powerset_NNC_Polyhedron_refine_with_congruence (ppl_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_const_Congruence_t *c*) [related]

7.108.2.42 int ppl_Pointset_Powerset_NNC_Polyhedron_refine_with_constraints (ppl_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.108.2.43 int ppl_Pointset_Powerset_NNC_Polyhedron_refine_with_congruences (ppl_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.108.2.44 int ppl_Pointset_Powerset_NNC_Polyhedron_intersection_assign (ppl_Pointset_Powerset_NNC_Polyhedron_t *x*, ppl_const_Pointset_Powerset_NNC_Polyhedron_t *y*) [related]

7.108.2.45 int ppl_Pointset_Powerset_NNC_Polyhedron_upper_bound_assign (ppl_Pointset_Powerset_NNC_Polyhedron_t *x*, ppl_const_Pointset_Powerset_NNC_Polyhedron_t *y*) [related]

7.108.2.46 int ppl_Pointset_Powerset_NNC_Polyhedron_difference_assign (ppl_Pointset_Powerset_NNC_Polyhedron_t *x*, ppl_const_Pointset_Powerset_NNC_Polyhedron_t *y*) [related]

7.108.2.47 int ppl_Pointset_Powerset_NNC_Polyhedron_concatenate_assign (ppl_Pointset_Powerset_NNC_Polyhedron_t *x*, ppl_const_Pointset_Powerset_NNC_Polyhedron_t *y*) [related]

7.108.2.48 int ppl_Pointset_Powerset_NNC_Polyhedron_time_elapse_assign (ppl_Pointset_Powerset_NNC_Polyhedron_t *x*, ppl_const_Pointset_Powerset_NNC_Polyhedron_t *y*) [related]

7.108.2.49 int ppl_Pointset_Powerset_NNC_Polyhedron_upper_bound_assign_if_exact (ppl_Pointset_Powerset_NNC_Polyhedron_t *x*, ppl_const_Pointset_Powerset_NNC_Polyhedron_t *y*) [related]

7.108.2.50 int ppl_Pointset_Powerset_NNC_Polyhedron_simplify_using_context_assign (ppl_Pointset_Powerset_NNC_Polyhedron_t *x*, ppl_const_Pointset_Powerset_NNC_Polyhedron_t *y*) [related]

7.108.2.51 int ppl_Pointset_Powerset_NNC_Polyhedron_constrains (ppl_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_dimension_type *var*) [related]

7.108.2.52 int ppl_Pointset_Powerset_NNC_Polyhedron_unconstrain_space_dimension (ppl_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_dimension_type *var*) [related]

7.108.2.53 int ppl_Pointset_Powerset_NNC_Polyhedron_unconstrain_space_dimensions (ppl_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.108.2.54 int ppl_Pointset_Powerset_NNC_Polyhedron_affine_image (ppl_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.108.2.55 int ppl_Pointset_Powerset_NNC_Polyhedron_affine_preimage (ppl_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.108.2.56 int ppl_Pointset_Powerset_NNC_Polyhedron_bounded_affine_image (ppl_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.108.2.57 int ppl_Pointset_Powerset_NNC_Polyhedron_bounded_affine_preimage (ppl_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.108.2.58 int ppl_Pointset_Powerset_NNC_Polyhedron_generalized_affine_image (ppl_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.108.2.59 int ppl_Pointset_Powerset_NNC_Polyhedron_generalized_affine_preimage (ppl_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.108.2.60 int ppl_Pointset_Powerset_NNC_Polyhedron_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.108.2.61 int ppl_Pointset_Powerset_NNC_Polyhedron_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.108.2.62 int ppl_Pointset_Powerset_NNC_Polyhedron_add_space_dimensions_and_embed (ppl_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_dimension_type *d*) [related]

7.108.2.63 int ppl_Pointset_Powerset_NNC_Polyhedron_add_space_dimensions_and_project (ppl_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_dimension_type *d*) [related]

7.108.2.64 int ppl_Pointset_Powerset_NNC_Polyhedron_remove_space_dimensions (ppl_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.108.2.65 int ppl_Pointset_Powerset_NNC_Polyhedron_remove_higher_space_dimensions (ppl_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_dimension_type *d*) [related]

7.108.2.66 int ppl_Pointset_Powerset_NNC_Polyhedron_expand_space_dimension (ppl_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.108.2.67 int ppl_Pointset_Powerset_NNC_Polyhedron_fold_space_dimensions (ppl_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.108.2.68 int ppl_Pointset_Powerset_NNC_Polyhedron_map_space_dimensions (ppl_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.108.2.69 int ppl_Pointset_Powerset_NNC_Polyhedron_drop_some_non_integer_points (ppl_Pointset_Powerset_NNC_Polyhedron_t *ph*, int *complexity*) [related]

7.108.2.70 int ppl_Pointset_Powerset_NNC_Polyhedron_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_NNC_Polyhedron_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.108.2.71 int ppl_Pointset_Powerset_NNC_Polyhedron_external_memory_in_bytes (ppl_const_Pointset_Powerset_NNC_Polyhedron_t *ps*, size_t * *sz*) [related]

7.108.2.72 int ppl_Pointset_Powerset_NNC_Polyhedron_total_memory_in_bytes (ppl_const_Pointset_Powerset_NNC_Polyhedron_t *ps*, size_t * *sz*) [related]

7.108.2.73 int ppl_Pointset_Powerset_NNC_Polyhedron_size (ppl_const_Pointset_Powerset_NNC_Polyhedron_t *ps*, size_t * *sz*) [related]

7.108.2.74 int ppl_Pointset_Powerset_NNC_Polyhedron_add_disjunct (ppl_-Pointset_Powerset_NNC_Polyhedron_t *ps*, ppl_const_Polyhedron_t *d*) [related]

7.108.2.75 int ppl_Pointset_Powerset_NNC_Polyhedron_drop_disjunct (ppl_Pointset_Powerset_-NNC_Polyhedron_t *ps*, ppl_const_Pointset_Powerset_NNC_Polyhedron_iterator_t *cit*, ppl_Pointset_Powerset_NNC_Polyhedron_iterator_t *it*) [related]

7.108.2.76 int ppl_Pointset_Powerset_NNC_Polyhedron_drop_disjuncts (ppl_Pointset_Powerset_-NNC_Polyhedron_t *ps*, ppl_const_Pointset_Powerset_NNC_Polyhedron_iterator_t *first*, ppl_const_Pointset_Powerset_NNC_Polyhedron_iterator_t *last*) [related]

7.108.2.77 int ppl_Pointset_Powerset_NNC_Polyhedron_BHZ03_BHRZ03_-BHRZ03_widening_assign (ppl_Pointset_Powerset_NNC_Polyhedron_t *x*, ppl_const_Pointset_Powerset_NNC_Polyhedron_t *y*) [related]

7.108.2.78 int ppl_Pointset_Powerset_NNC_Polyhedron_BHZ03_H79_H79_-widening_assign (ppl_Pointset_Powerset_NNC_Polyhedron_t *x*, ppl_const_Pointset_Powerset_NNC_Polyhedron_t *y*) [related]

7.108.2.79 int ppl_Pointset_Powerset_NNC_Polyhedron_BGP99_BHRZ03_-extrapolation_assign (ppl_Pointset_Powerset_NNC_Polyhedron_t *x*, ppl_const_Pointset_Powerset_NNC_Polyhedron_t *y*, int *disjuncts*) [related]

7.108.2.80 int ppl_Pointset_Powerset_NNC_Polyhedron_BGP99_H79_-extrapolation_assign (ppl_Pointset_Powerset_NNC_Polyhedron_t *x*, ppl_const_Pointset_Powerset_NNC_Polyhedron_t *y*, int *disjuncts*) [related]

7.108.2.81 int ppl_io_print_Pointset_Powerset_NNC_Polyhedron (ppl_const_Pointset_Powerset_-NNC_Polyhedron_t *x*) [related]

7.108.2.82 int ppl_io_fprint_Pointset_Powerset_NNC_Polyhedron (FILE * *stream*, ppl_const_Pointset_Powerset_NNC_Polyhedron_t *x*) [related]

7.108.2.83 int ppl_io_asprint_Pointset_Powerset_NNC_Polyhedron (char ** *strp*, ppl_const_Pointset_Powerset_NNC_Polyhedron_t *x*) [related]

7.108.2.84 int ppl_Pointset_Powerset_NNC_Polyhedron_ascii_dump (ppl_const_Pointset_Powerset_NNC_Polyhedron_t *x*, FILE * *stream*) [related]

7.108.2.85 int ppl_Pointset_Powerset_NNC_Polyhedron_ascii_load (ppl_Pointset_Powerset_NNC_Polyhedron_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.109 ppl_Pointset_Powerset_Octagonal_Shape_double_const_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Octagonal_Shape_double_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Octagonal_Shape_double_const_iterator (ppl_Pointset_Powerset_Octagonal_Shape_double_const_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_double_const_iterator_from_const_iterator (ppl_Pointset_Powerset_Octagonal_Shape_double_const_iterator_t *px, ppl_const_Pointset_Powerset_Octagonal_Shape_double_const_iterator_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_const_iterator_begin (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t ps, ppl_Pointset_Powerset_Octagonal_Shape_double_const_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_const_iterator_end (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t ps, ppl_Pointset_Powerset_Octagonal_Shape_double_const_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_const_iterator_equal_test (ppl_const_Pointset_Powerset_Octagonal_Shape_double_const_iterator_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_double_const_iterator_t y)

- int ppl_Pointset_Powerset_Octagonal_Shape_double_const_iterator_increment (ppl_Pointset_-Powerset_Octagonal_Shape_double_const_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_const_iterator_decrement (ppl_Pointset_-Powerset_Octagonal_Shape_double_const_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_const_iterator_dereference (ppl_const_-Pointset_Powerset_Octagonal_Shape_double_const_iterator_t ps, ppl_const_Octagonal_Shape_-double_t *d)
- int ppl_delete_Pointset_Powerset_Octagonal_Shape_double_const_iterator (ppl_const_Pointset_-Powerset_Octagonal_Shape_double_const_iterator_t psit)

7.109.1 Detailed Description

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Octagonal_Shape_-double_tag.

7.109.2 Friends And Related Function Documentation

7.109.2.1 int ppl_new_Pointset_Powerset_Octagonal_Shape_double_const_iterator (ppl_Pointset_Powerset_Octagonal_Shape_double_const_iterator_t * *pit*) [related]

7.109.2.2 int ppl_new_Pointset_Powerset_Octagonal_Shape_double_const_iterator_from_-const_iterator (ppl_Pointset_Powerset_Octagonal_Shape_double_const_iterator_t * *px*, ppl_const_Pointset_Powerset_Octagonal_Shape_double_const_iterator_t *y*) [related]

7.109.2.3 int ppl_Pointset_Powerset_Octagonal_Shape_double_const_iterator_begin (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *ps*, ppl_Pointset_Powerset_Octagonal_Shape_double_const_iterator_t *psit*) [related]

7.109.2.4 int ppl_Pointset_Powerset_Octagonal_Shape_double_const_iterator_end (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *ps*, ppl_Pointset_Powerset_Octagonal_Shape_double_const_iterator_t *psit*) [related]

7.109.2.5 int ppl_Pointset_Powerset_Octagonal_Shape_double_const_iterator_equal_test (ppl_const_Pointset_Powerset_Octagonal_Shape_double_const_iterator_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_double_const_iterator_t *y*) [related]

7.109.2.6 int ppl_Pointset_Powerset_Octagonal_Shape_double_const_iterator_increment (ppl_Pointset_Powerset_Octagonal_Shape_double_const_iterator_t *psit*) [related]

7.109.2.7 int ppl_Pointset_Powerset_Octagonal_Shape_double_const_iterator_decrement (ppl_Pointset_Powerset_Octagonal_Shape_double_const_iterator_t *psit*) [related]

7.109.2.8 int ppl_Pointset_Powerset_Octagonal_Shape_double_const_iterator_dereference (ppl_const_Pointset_Powerset_Octagonal_Shape_double_const_iterator_t *ps*, ppl_const_Octagonal_Shape_double_t * *d*) [related]

7.109.2.9 int ppl_delete_Pointset_Powerset_Octagonal_Shape_double_const_iterator (ppl_const_Pointset_Powerset_Octagonal_Shape_double_const_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.110 ppl_Pointset_Powerset_Octagonal_Shape_double_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Octagonal_Shape_double_-tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Octagonal_Shape_double_iterator (ppl_Pointset_Powerset_-Octagonal_Shape_double_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_double_iterator_from_iterator (ppl_Pointset_-Powerset_Octagonal_Shape_double_iterator_t *px, ppl_const_Pointset_Powerset_Octagonal_-Shape_double_iterator_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_iterator_begin (ppl_Pointset_Powerset_-Octagonal_Shape_double_t ps, ppl_Pointset_Powerset_Octagonal_Shape_double_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_iterator_end (ppl_Pointset_Powerset_-Octagonal_Shape_double_t ps, ppl_Pointset_Powerset_Octagonal_Shape_double_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_iterator_equal_test (ppl_const_Pointset_-Powerset_Octagonal_Shape_double_iterator_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_-double_iterator_t y)

- int ppl_Pointset_Powerset_Octagonal_Shape_double_iterator_increment (ppl_Pointset_Powerset_-Octagonal_Shape_double_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_iterator_decrement (ppl_Pointset_Powerset_-Octagonal_Shape_double_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_iterator_dereference (ppl_const_Pointset_-Powerset_Octagonal_Shape_double_iterator_t ps, ppl_const_Octagonal_Shape_double_t *d)
- int ppl_delete_Pointset_Powerset_Octagonal_Shape_double_iterator (ppl_const_Pointset_-Powerset_Octagonal_Shape_double_iterator_t psit)

7.110.1 Detailed Description

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Octagonal_Shape_double_-tag.

7.110.2 Friends And Related Function Documentation

7.110.2.1 int ppl_new_Pointset_Powerset_Octagonal_Shape_double_iterator (ppl_Pointset_Powerset_Octagonal_Shape_double_iterator_t * *pit*) [related]

7.110.2.2 int ppl_new_Pointset_Powerset_Octagonal_Shape_double_iterator_from_iterator (ppl_Pointset_Powerset_Octagonal_Shape_double_iterator_t * *px*, ppl_const_Pointset_Powerset_Octagonal_Shape_double_iterator_t *y*) [related]

7.110.2.3 int ppl_Pointset_Powerset_Octagonal_Shape_double_iterator_-begin (ppl_Pointset_Powerset_Octagonal_Shape_double_t *ps*, ppl_Pointset_Powerset_Octagonal_Shape_double_iterator_t *psit*) [related]

7.110.2.4 int ppl_Pointset_Powerset_Octagonal_Shape_double_iterator_end (ppl_Pointset_Powerset_Octagonal_Shape_double_t *ps*, ppl_Pointset_Powerset_-Octagonal_Shape_double_iterator_t *psit*) [related]

7.110.2.5 int ppl_Pointset_Powerset_Octagonal_Shape_double_iterator_equal_test (ppl_const_Pointset_Powerset_Octagonal_Shape_double_iterator_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_double_iterator_t *y*) [related]

7.110.2.6 int ppl_Pointset_Powerset_Octagonal_Shape_double_iterator_increment (ppl_Pointset_Powerset_Octagonal_Shape_double_iterator_t *psit*) [related]

7.110.2.7 int ppl_Pointset_Powerset_Octagonal_Shape_double_iterator_decrement (ppl_Pointset_Powerset_Octagonal_Shape_double_iterator_t *psit*) [related]

7.110.2.8 int ppl_Pointset_Powerset_Octagonal_Shape_double_iterator_dereference (ppl_const_Pointset_Powerset_Octagonal_Shape_double_iterator_t *ps*, ppl_const_Octagonal_Shape_double_t * *d*) [related]

7.110.2.9 int ppl_delete_Pointset_Powerset_Octagonal_Shape_double_iterator (ppl_const_Pointset_Powerset_Octagonal_Shape_double_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.111 ppl_Pointset_Powerset_Octagonal_Shape_double_tag Interface Reference

Types and functions for ppl_Pointset_Powerset_Octagonal_Shape_double_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Pointset_Powerset_Octagonal_Shape_double (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t ph)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_double_from_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_double_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_double_from_Pointset_Powerset_Octagonal_Shape_double (ppl_Pointset_Powerset_Octagonal_Shape_double_t *pph, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t ph)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_double_from_Octagonal_Shape_double (ppl_Pointset_Powerset_Octagonal_Shape_double_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_double_from_Pointset_Powerset_Octagonal_Shape_double_with_complexity (ppl_Pointset_Powerset_Octagonal_Shape_double_t *pph, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_double_from_Octagonal_Shape_double_with_complexity (ppl_Pointset_Powerset_Octagonal_Shape_double_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_double_from_Constraint_System (ppl_Pointset_Powerset_Octagonal_Shape_double_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_double_from_Congruence_System (ppl_Pointset_Powerset_Octagonal_Shape_double_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_space_dimension (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_dimension_type *m)

- int ppl_Pointset_Powerset_Octagonal_Shape_double_affine_dimension (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_relation_with_Constraint (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_relation_with_Generator (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_const_Generator_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_relation_with_Congruence (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_is_empty (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_is_universe (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_is_bounded (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_contains_integer_point (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_is_topologically_closed (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_is_discrete (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_topological_closure_assign (ppl_Pointset_Powerset_Octagonal_Shape_double_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_pairwise_reduce (ppl_Pointset_Powerset_Octagonal_Shape_double_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_omega_reduce (ppl_Pointset_Powerset_Octagonal_Shape_double_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_bounds_from_above (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_bounds_from_below (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_maximize (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_minimize (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_maximize_with_point (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_minimize_with_point (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_contains_Pointset_Powerset_Octagonal_Shape_double (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_strictly_contains_Pointset_Powerset_Octagonal_Shape_double (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_is_disjoint_from_Pointset_Powerset_Octagonal_Shape_double (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t y)

- int ppl_Pointset_Powerset_Octagonal_Shape_double_geometrically_covers_Pointset_Powerset_Octagonal_Shape_double (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_geometrically_equals_Pointset_Powerset_Octagonal_Shape_double (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_equals_Pointset_Powerset_Octagonal_Shape_double (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_OK (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_add_constraint (ppl_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_add_congruence (ppl_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_add_constraints (ppl_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_add_congruences (ppl_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_refine_with_constraint (ppl_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_refine_with_congruence (ppl_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_refine_with_constraints (ppl_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_refine_with_congruences (ppl_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_intersection_assign (ppl_Pointset_Powerset_Octagonal_Shape_double_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_upper_bound_assign (ppl_Pointset_Powerset_Octagonal_Shape_double_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_difference_assign (ppl_Pointset_Powerset_Octagonal_Shape_double_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_concatenate_assign (ppl_Pointset_Powerset_Octagonal_Shape_double_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_time_elapse_assign (ppl_Pointset_Powerset_Octagonal_Shape_double_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Octagonal_Shape_double_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_simplify_using_context_assign (ppl_Pointset_Powerset_Octagonal_Shape_double_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_constrains (ppl_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_unconstrain_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_unconstrain_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)

- int ppl_Pointset_Powerset_Octagonal_Shape_double_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_bounded_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_bounded_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_generalized_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_generalized_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_add_space_dimensions_and_project (ppl_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_remove_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_remove_higher_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_expand_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_fold_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_map_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_drop_some_non_integer_points (ppl_Pointset_Powerset_Octagonal_Shape_double_t ph, int complexity)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Octagonal_Shape_double_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_external_memory_in_bytes (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_total_memory_in_bytes (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_size (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_add_disjunct (ppl_Pointset_Powerset_Octagonal_Shape_double_t ps, ppl_const_Octagonal_Shape_double_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_drop_disjunct (ppl_Pointset_Powerset_Octagonal_Shape_double_t ps, ppl_const_Pointset_Powerset_Octagonal_Shape_double_iterator_t cit, ppl_Pointset_Powerset_Octagonal_Shape_double_iterator_t it)

- int ppl_Pointset_Powerset_Octagonal_Shape_double_drop_disjuncts (ppl_Pointset_Powerset_Octagonal_Shape_double_t ps, ppl_const_Pointset_Powerset_Octagonal_Shape_double_iterator_t first, ppl_const_Pointset_Powerset_Octagonal_Shape_double_iterator_t last)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_BHZ03_H79_BHMZ05_widening_assign (ppl_Pointset_Powerset_Octagonal_Shape_double_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_BGP99_BHMZ05_extrapolation_assign (ppl_Pointset_Powerset_Octagonal_Shape_double_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t y, int disjuncts)
- int ppl_io_print_Pointset_Powerset_Octagonal_Shape_double (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t x)
- int ppl_io_fprint_Pointset_Powerset_Octagonal_Shape_double (FILE ∗stream, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t x)
- int ppl_io_asprint_Pointset_Powerset_Octagonal_Shape_double (char ∗∗strp, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t x)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_ascii_dump (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t x, FILE ∗stream)
- int ppl_Pointset_Powerset_Octagonal_Shape_double_ascii_load (ppl_Pointset_Powerset_Octagonal_Shape_double_t x, FILE ∗stream)

7.111.1 Detailed Description

Types and functions for ppl_Pointset_Powerset_Octagonal_Shape_double_tag.

7.111.2 Friends And Related Function Documentation

7.111.2.1 int ppl_delete_Pointset_Powerset_Octagonal_Shape_double (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *ph*) [related]

7.111.2.2 int ppl_new_Pointset_Powerset_Octagonal_Shape_double_from_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_double_t ∗ *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.111.2.3 int ppl_new_Pointset_Powerset_Octagonal_Shape_double_from_Pointset_Powerset_Octagonal_Shape_double (ppl_Pointset_Powerset_Octagonal_Shape_double_t ∗ *pph*, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *ph*) [related]

7.111.2.4 int ppl_new_Pointset_Powerset_Octagonal_Shape_double_from_Octagonal_Shape_double (ppl_Pointset_Powerset_Octagonal_Shape_double_t ∗ *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.111.2.5 int ppl_new_Pointset_Powerset_Octagonal_Shape_double_from_-Pointset_Powerset_Octagonal_Shape_double_with_complexity (ppl_Pointset_Powerset_Octagonal_Shape_double_t * *pph*, ppl_const_-Pointset_Powerset_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.111.2.6 int ppl_new_Pointset_Powerset_Octagonal_Shape_double_from_Octagonal_Shape_-double_with_complexity (ppl_Pointset_Powerset_Octagonal_Shape_double_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.111.2.7 int ppl_new_Pointset_Powerset_Octagonal_Shape_double_from_Constraint_-System (ppl_Pointset_Powerset_Octagonal_Shape_double_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.111.2.8 int ppl_new_Pointset_Powerset_Octagonal_Shape_double_from_Congruence_-System (ppl_Pointset_Powerset_Octagonal_Shape_double_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.111.2.9 int ppl_Pointset_Powerset_Octagonal_Shape_double_space_dimension (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_dimension_type * *m*) [related]

7.111.2.10 int ppl_Pointset_Powerset_Octagonal_Shape_double_affine_dimension (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_dimension_type * *m*) [related]

7.111.2.11 int ppl_Pointset_Powerset_Octagonal_Shape_double_relation_with_Constraint (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_const_Constraint_t *c*) [related]

7.111.2.12 int ppl_Pointset_Powerset_Octagonal_Shape_double_relation_with_Generator (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_const_Generator_t *c*) [related]

7.111.2.13 int ppl_Pointset_Powerset_Octagonal_Shape_double_relation_with_Congruence (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_const_Congruence_t *c*) [related]

7.111.2.14 int ppl_Pointset_Powerset_Octagonal_Shape_double_is_empty (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *ph*) [related]

7.111.2.15 int ppl_Pointset_Powerset_Octagonal_Shape_double_is_universe (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *ph*) [related]

7.111.2.16 int ppl_Pointset_Powerset_Octagonal_Shape_double_is_bounded (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *ph*) [related]

7.111.2.17 int ppl_Pointset_Powerset_Octagonal_Shape_double_contains_integer_point (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *ph*) [related]

7.111.2.18 int ppl_Pointset_Powerset_Octagonal_Shape_double_is_topologically_closed (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *ph*) [related]

7.111.2.19 int ppl_Pointset_Powerset_Octagonal_Shape_double_is_discrete (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *ph*) [related]

7.111.2.20 int ppl_Pointset_Powerset_Octagonal_Shape_double_topological_closure_assign (ppl_Pointset_Powerset_Octagonal_Shape_double_t *ph*) [related]

7.111.2.21 int ppl_Pointset_Powerset_Octagonal_Shape_double_pairwise_reduce (ppl_Pointset_Powerset_Octagonal_Shape_double_t *ph*) [related]

7.111.2.22 int ppl_Pointset_Powerset_Octagonal_Shape_double_omega_reduce (ppl_Pointset_Powerset_Octagonal_Shape_double_t *ph*) [related]

7.111.2.23 int ppl_Pointset_Powerset_Octagonal_Shape_double_bounds_from_above (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.111.2.24 int ppl_Pointset_Powerset_Octagonal_Shape_double_bounds_from_below (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.111.2.25 int ppl_Pointset_Powerset_Octagonal_Shape_double_maximize (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.111.2.26 int ppl_Pointset_Powerset_Octagonal_Shape_double_minimize (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.111.2.27 int ppl_Pointset_Powerset_Octagonal_Shape_double_maximize_with_point (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.111.2.28 int ppl_Pointset_Powerset_Octagonal_Shape_double_minimize_with_point (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.111.2.29 int ppl_Pointset_Powerset_Octagonal_Shape_double_contains_Pointset_Powerset_Octagonal_Shape_double (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *y*) [related]

7.111.2.30 int ppl_Pointset_Powerset_Octagonal_Shape_double_strictly_contains_Pointset_-Powerset_Octagonal_Shape_double (ppl_const_Pointset_Powerset_Octagonal_-Shape_double_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *y*) [related]

7.111.2.31 int ppl_Pointset_Powerset_Octagonal_Shape_double_is_disjoint_from_Pointset_-Powerset_Octagonal_Shape_double (ppl_const_Pointset_Powerset_Octagonal_-Shape_double_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *y*) [related]

7.111.2.32 int ppl_Pointset_Powerset_Octagonal_Shape_double_geometrically_covers_Pointset_-Powerset_Octagonal_Shape_double (ppl_const_Pointset_Powerset_Octagonal_-Shape_double_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *y*) [related]

7.111.2.33 int ppl_Pointset_Powerset_Octagonal_Shape_double_geometrically_equals_Pointset_-Powerset_Octagonal_Shape_double (ppl_const_Pointset_Powerset_Octagonal_-Shape_double_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *y*) [related]

7.111.2.34 int ppl_Pointset_Powerset_Octagonal_Shape_double_equals_Pointset_Powerset_-Octagonal_Shape_double (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *y*) [related]

7.111.2.35 int ppl_Pointset_Powerset_Octagonal_Shape_double_OK (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *ph*) [related]

7.111.2.36 int ppl_Pointset_Powerset_Octagonal_Shape_double_add_constraint (ppl_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_const_Constraint_t *c*) [related]

7.111.2.37 int ppl_Pointset_Powerset_Octagonal_Shape_double_add_congruence (ppl_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_const_Congruence_t *c*) [related]

7.111.2.38 int ppl_Pointset_Powerset_Octagonal_Shape_double_add_constraints (ppl_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.111.2.39 int ppl_Pointset_Powerset_Octagonal_Shape_double_add_congruences (ppl_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.111.2.40 int ppl_Pointset_Powerset_Octagonal_Shape_double_refine_with_constraint (ppl_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_const_Constraint_t *c*) [related]

7.111.2.41 int ppl_Pointset_Powerset_Octagonal_Shape_double_refine_with_congruence (ppl_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_const_Congruence_t *c*) [related]

7.111.2.42 int ppl_Pointset_Powerset_Octagonal_Shape_double_refine_with_constraints (ppl_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.111.2.43 int ppl_Pointset_Powerset_Octagonal_Shape_double_refine_with_congruences (ppl_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.111.2.44 int ppl_Pointset_Powerset_Octagonal_Shape_double_intersection_assign (ppl_Pointset_Powerset_Octagonal_Shape_double_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *y*) [related]

7.111.2.45 int ppl_Pointset_Powerset_Octagonal_Shape_double_upper_-bound_assign (ppl_Pointset_Powerset_Octagonal_Shape_double_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *y*) [related]

7.111.2.46 int ppl_Pointset_Powerset_Octagonal_Shape_double_difference_-assign (ppl_Pointset_Powerset_Octagonal_Shape_double_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *y*) [related]

7.111.2.47 int ppl_Pointset_Powerset_Octagonal_Shape_double_concatenate_-assign (ppl_Pointset_Powerset_Octagonal_Shape_double_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *y*) [related]

7.111.2.48 int ppl_Pointset_Powerset_Octagonal_Shape_double_time_elapse_-assign (ppl_Pointset_Powerset_Octagonal_Shape_double_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *y*) [related]

7.111.2.49 int ppl_Pointset_Powerset_Octagonal_Shape_double_upper_bound_-assign_if_exact (ppl_Pointset_Powerset_Octagonal_Shape_double_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *y*) [related]

7.111.2.50 int ppl_Pointset_Powerset_Octagonal_Shape_double_simplify_using_-context_assign (ppl_Pointset_Powerset_Octagonal_Shape_double_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *y*) [related]

7.111.2.51 int ppl_Pointset_Powerset_Octagonal_Shape_double_constrains (ppl_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_dimension_type *var*) [related]

7.111.2.52 int ppl_Pointset_Powerset_Octagonal_Shape_double_unconstrain_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_dimension_type *var*) [related]

7.111.2.53 int ppl_Pointset_Powerset_Octagonal_Shape_double_unconstrain_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.111.2.54 int ppl_Pointset_Powerset_Octagonal_Shape_double_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.111.2.55 int ppl_Pointset_Powerset_Octagonal_Shape_double_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.111.2.56 int ppl_Pointset_Powerset_Octagonal_Shape_double_bounded_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.111.2.57 int ppl_Pointset_Powerset_Octagonal_Shape_double_bounded_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.111.2.58 int ppl_Pointset_Powerset_Octagonal_Shape_double_generalized_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.111.2.59 int ppl_Pointset_Powerset_Octagonal_Shape_double_generalized_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.111.2.60 int ppl_Pointset_Powerset_Octagonal_Shape_double_generalized_affine_-image_lhs_rhs (ppl_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.111.2.61 int ppl_Pointset_Powerset_Octagonal_Shape_double_generalized_affine_-preimage_lhs_rhs (ppl_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.111.2.62 int ppl_Pointset_Powerset_Octagonal_Shape_double_add_space_dimensions_and_-embed (ppl_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_dimension_type *d*) [related]

7.111.2.63 int ppl_Pointset_Powerset_Octagonal_Shape_double_add_space_dimensions_and_-project (ppl_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_dimension_type *d*) [related]

7.111.2.64 int ppl_Pointset_Powerset_Octagonal_Shape_double_remove_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.111.2.65 int ppl_Pointset_Powerset_Octagonal_Shape_double_remove_higher_-space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_dimension_type *d*) [related]

7.111.2.66 int ppl_Pointset_Powerset_Octagonal_Shape_double_expand_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.111.2.67 int ppl_Pointset_Powerset_Octagonal_Shape_double_fold_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.111.2.68 int ppl_Pointset_Powerset_Octagonal_Shape_double_map_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.111.2.69 int ppl_Pointset_Powerset_Octagonal_Shape_double_drop_some_non_integer_points (ppl_Pointset_Powerset_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.111.2.70 int ppl_Pointset_Powerset_Octagonal_Shape_double_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Octagonal_Shape_double_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.111.2.71 int ppl_Pointset_Powerset_Octagonal_Shape_double_external_memory_in_bytes (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *ps*, size_t * *sz*) [related]

7.111.2.72 int ppl_Pointset_Powerset_Octagonal_Shape_double_total_memory_in_bytes (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *ps*, size_t * *sz*) [related]

7.111.2.73 int ppl_Pointset_Powerset_Octagonal_Shape_double_size (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *ps*, size_t * *sz*) [related]

7.111.2.74 int ppl_Pointset_Powerset_Octagonal_Shape_double_add_disjunct (ppl_Pointset_Powerset_Octagonal_Shape_double_t *ps*, ppl_const_Octagonal_Shape_double_t *d*) [related]

7.111.2.75 int ppl_Pointset_Powerset_Octagonal_Shape_double_drop_disjunct (ppl_Pointset_Powerset_Octagonal_Shape_double_t *ps*, ppl_const_Pointset_Powerset_Octagonal_Shape_double_iterator_t *cit*, ppl_Pointset_Powerset_Octagonal_Shape_double_iterator_t *it*) [related]

7.111.2.76 int ppl_Pointset_Powerset_Octagonal_Shape_double_drop_disjuncts (ppl_Pointset_Powerset_Octagonal_Shape_double_t *ps*, ppl_const_Pointset_Powerset_Octagonal_Shape_double_iterator_t *first*, ppl_const_Pointset_Powerset_Octagonal_Shape_double_iterator_t *last*) [related]

7.111.2.77 int ppl_Pointset_Powerset_Octagonal_Shape_double_BHZ03_H79_BHMZ05_widening_assign (ppl_Pointset_Powerset_Octagonal_Shape_double_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *y*) [related]

7.111.2.78 int ppl_Pointset_Powerset_Octagonal_Shape_double_BGP99_BHMZ05_extrapolation_assign (ppl_Pointset_Powerset_Octagonal_Shape_double_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *y*, int *disjuncts*) [related]

7.111.2.79 int ppl_io_print_Pointset_Powerset_Octagonal_Shape_double (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *x*) [related]

7.111.2.80 int ppl_io_fprint_Pointset_Powerset_Octagonal_Shape_double (FILE * *stream*, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *x*) [related]

7.111.2.81 int ppl_io_asprint_Pointset_Powerset_Octagonal_Shape_double (char ** *strp*, ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *x*) [related]

7.111.2.82 int ppl_Pointset_Powerset_Octagonal_Shape_double_ascii_dump (ppl_const_Pointset_Powerset_Octagonal_Shape_double_t *x*, FILE * *stream*) [related]

7.111.2.83 int ppl_Pointset_Powerset_Octagonal_Shape_double_ascii_load (ppl_Pointset_Powerset_Octagonal_Shape_double_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.112 ppl_Pointset_Powerset_Octagonal_Shape_float_const_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Octagonal_Shape_-float_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Octagonal_Shape_float_const_iterator (ppl_Pointset_Powerset_-Octagonal_Shape_float_const_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_float_const_iterator_from_const_iterator (ppl_-Pointset_Powerset_Octagonal_Shape_float_const_iterator_t *px, ppl_const_Pointset_Powerset_-Octagonal_Shape_float_const_iterator_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_const_iterator_begin (ppl_const_Pointset_-Powerset_Octagonal_Shape_float_t ps, ppl_Pointset_Powerset_Octagonal_Shape_float_const_-iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_const_iterator_end (ppl_const_Pointset_-Powerset_Octagonal_Shape_float_t ps, ppl_Pointset_Powerset_Octagonal_Shape_float_const_-iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_const_iterator_equal_test (ppl_const_Pointset_-Powerset_Octagonal_Shape_float_const_iterator_t x, ppl_const_Pointset_Powerset_Octagonal_-Shape_float_const_iterator_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_const_iterator_increment (ppl_Pointset_-Powerset_Octagonal_Shape_float_const_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_const_iterator_decrement (ppl_Pointset_-Powerset_Octagonal_Shape_float_const_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_const_iterator_dereference (ppl_const_-Pointset_Powerset_Octagonal_Shape_float_const_iterator_t ps, ppl_const_Octagonal_Shape_-float_t *d)
- int ppl_delete_Pointset_Powerset_Octagonal_Shape_float_const_iterator (ppl_const_Pointset_-Powerset_Octagonal_Shape_float_const_iterator_t psit)

7.112.1 Detailed Description

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Octagonal_Shape_-float_tag.

7.112.2 Friends And Related Function Documentation

7.112.2.1 int ppl_new_Pointset_Powerset_Octagonal_Shape_float_const_iterator (ppl_Pointset_Powerset_Octagonal_Shape_float_const_iterator_t * *pit*) [related]

7.112.2.2 int ppl_new_Pointset_Powerset_Octagonal_Shape_float_const_iterator_from_const_iterator (ppl_Pointset_Powerset_Octagonal_Shape_float_const_iterator_t * *px*, ppl_const_Pointset_Powerset_Octagonal_Shape_float_const_iterator_t *y*) [related]

7.112.2.3 int ppl_Pointset_Powerset_Octagonal_Shape_float_const_iterator_begin (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *ps*, ppl_Pointset_Powerset_Octagonal_Shape_float_const_iterator_t *psit*) [related]

7.112.2.4 int ppl_Pointset_Powerset_Octagonal_Shape_float_const_iterator_end (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *ps*, ppl_Pointset_Powerset_Octagonal_Shape_float_const_iterator_t *psit*) [related]

7.112.2.5 int ppl_Pointset_Powerset_Octagonal_Shape_float_const_iterator_equal_test (ppl_const_Pointset_Powerset_Octagonal_Shape_float_const_iterator_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_float_const_iterator_t *y*) [related]

7.112.2.6 int ppl_Pointset_Powerset_Octagonal_Shape_float_const_iterator_increment (ppl_Pointset_Powerset_Octagonal_Shape_float_const_iterator_t *psit*) [related]

7.112.2.7 int ppl_Pointset_Powerset_Octagonal_Shape_float_const_iterator_decrement (ppl_Pointset_Powerset_Octagonal_Shape_float_const_iterator_t *psit*) [related]

7.112.2.8 int ppl_Pointset_Powerset_Octagonal_Shape_float_const_iterator_dereference (ppl_const_Pointset_Powerset_Octagonal_Shape_float_const_iterator_t *ps*, ppl_const_Octagonal_Shape_float_t * *d*) [related]

7.112.2.9 int ppl_delete_Pointset_Powerset_Octagonal_Shape_float_const_iterator (ppl_const_Pointset_Powerset_Octagonal_Shape_float_const_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.113 ppl_Pointset_Powerset_Octagonal_Shape_float_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Octagonal_Shape_float_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Octagonal_Shape_float_iterator (ppl_Pointset_Powerset_Octagonal_Shape_float_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_float_iterator_from_iterator (ppl_Pointset_Powerset_Octagonal_Shape_float_iterator_t *px, ppl_const_Pointset_Powerset_Octagonal_Shape_float_iterator_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_iterator_begin (ppl_Pointset_Powerset_Octagonal_Shape_float_t ps, ppl_Pointset_Powerset_Octagonal_Shape_float_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_iterator_end (ppl_Pointset_Powerset_Octagonal_Shape_float_t ps, ppl_Pointset_Powerset_Octagonal_Shape_float_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_iterator_equal_test (ppl_const_Pointset_Powerset_Octagonal_Shape_float_iterator_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_float_iterator_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_iterator_increment (ppl_Pointset_Powerset_Octagonal_Shape_float_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_iterator_decrement (ppl_Pointset_Powerset_Octagonal_Shape_float_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_iterator_dereference (ppl_const_Pointset_Powerset_Octagonal_Shape_float_iterator_t ps, ppl_const_Octagonal_Shape_float_t *d)
- int ppl_delete_Pointset_Powerset_Octagonal_Shape_float_iterator (ppl_const_Pointset_Powerset_Octagonal_Shape_float_iterator_t psit)

7.113.1 Detailed Description

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Octagonal_Shape_float_tag.

7.113.2 Friends And Related Function Documentation

7.113.2.1 int ppl_new_Pointset_Powerset_Octagonal_Shape_float_iterator (ppl_Pointset_Powerset_Octagonal_Shape_float_iterator_t * *pit*) [related]

7.113.2.2 int ppl_new_Pointset_Powerset_Octagonal_Shape_float_iterator_from_iterator (ppl_Pointset_Powerset_Octagonal_Shape_float_iterator_t * *px*, ppl_const_Pointset_Powerset_Octagonal_Shape_float_iterator_t *y*) [related]

7.113.2.3 int ppl_Pointset_Powerset_Octagonal_Shape_float_iterator_begin (ppl_Pointset_Powerset_Octagonal_Shape_float_t *ps*, ppl_Pointset_Powerset_Octagonal_Shape_float_iterator_t *psit*) [related]

7.113.2.4 int ppl_Pointset_Powerset_Octagonal_Shape_float_iterator_end (ppl_Pointset_Powerset_Octagonal_Shape_float_t *ps*, ppl_Pointset_Powerset_Octagonal_Shape_float_iterator_t *psit*) [related]

7.113.2.5 int ppl_Pointset_Powerset_Octagonal_Shape_float_iterator_equal_test (ppl_const_Pointset_Powerset_Octagonal_Shape_float_iterator_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_float_iterator_t *y*) [related]

7.113.2.6 int ppl_Pointset_Powerset_Octagonal_Shape_float_iterator_increment (ppl_Pointset_Powerset_Octagonal_Shape_float_iterator_t *psit*) [related]

7.113.2.7 int ppl_Pointset_Powerset_Octagonal_Shape_float_iterator_decrement (ppl_Pointset_Powerset_Octagonal_Shape_float_iterator_t *psit*) [related]

7.113.2.8 int ppl_Pointset_Powerset_Octagonal_Shape_float_iterator_dereference (ppl_const_Pointset_Powerset_Octagonal_Shape_float_iterator_t *ps*, ppl_const_Octagonal_Shape_float_t * *d*) [related]

7.113.2.9 int ppl_delete_Pointset_Powerset_Octagonal_Shape_float_iterator (ppl_const_Pointset_Powerset_Octagonal_Shape_float_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.114 ppl_Pointset_Powerset_Octagonal_Shape_float_tag Interface Reference

Types and functions for ppl_Pointset_Powerset_Octagonal_Shape_float_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Pointset_Powerset_Octagonal_Shape_float (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t ph)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_float_from_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_float_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_float_from_Pointset_Powerset_Octagonal_Shape_float (ppl_Pointset_Powerset_Octagonal_Shape_float_t *pph, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t ph)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_float_from_Octagonal_Shape_float (ppl_Pointset_Powerset_Octagonal_Shape_float_t *pph, ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_float_from_Pointset_Powerset_Octagonal_Shape_float_with_complexity (ppl_Pointset_Powerset_Octagonal_Shape_float_t *pph, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_float_from_Octagonal_Shape_float_with_complexity (ppl_Pointset_Powerset_Octagonal_Shape_float_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_float_from_Constraint_System (ppl_Pointset_Powerset_Octagonal_Shape_float_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_float_from_Congruence_System (ppl_Pointset_Powerset_Octagonal_Shape_float_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_space_dimension (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_affine_dimension (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_relation_with_Constraint (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_relation_with_Generator (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_const_Generator_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_relation_with_Congruence (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_is_empty (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_is_universe (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_is_bounded (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_contains_integer_point (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_is_topologically_closed (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_is_discrete (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_topological_closure_assign (ppl_Pointset_Powerset_Octagonal_Shape_float_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_pairwise_reduce (ppl_Pointset_Powerset_Octagonal_Shape_float_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_omega_reduce (ppl_Pointset_Powerset_Octagonal_Shape_float_t ph)

- int ppl_Pointset_Powerset_Octagonal_Shape_float_bounds_from_above (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_bounds_from_below (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_maximize (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_minimize (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_maximize_with_point (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_minimize_with_point (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_contains_Pointset_Powerset_Octagonal_Shape_float (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_strictly_contains_Pointset_Powerset_Octagonal_Shape_float (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_is_disjoint_from_Pointset_Powerset_Octagonal_Shape_float (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_geometrically_covers_Pointset_Powerset_Octagonal_Shape_float (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_geometrically_equals_Pointset_Powerset_Octagonal_Shape_float (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_equals_Pointset_Powerset_Octagonal_Shape_float (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_OK (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_add_constraint (ppl_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_add_congruence (ppl_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_add_constraints (ppl_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_add_congruences (ppl_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_refine_with_constraint (ppl_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_refine_with_congruence (ppl_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_refine_with_constraints (ppl_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_refine_with_congruences (ppl_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_const_Congruence_System_t cs)

- int ppl_Pointset_Powerset_Octagonal_Shape_float_intersection_assign (ppl_Pointset_Powerset_Octagonal_Shape_float_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_upper_bound_assign (ppl_Pointset_Powerset_Octagonal_Shape_float_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_difference_assign (ppl_Pointset_Powerset_Octagonal_Shape_float_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_concatenate_assign (ppl_Pointset_Powerset_Octagonal_Shape_float_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_time_elapse_assign (ppl_Pointset_Powerset_Octagonal_Shape_float_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Octagonal_Shape_float_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_simplify_using_context_assign (ppl_Pointset_Powerset_Octagonal_Shape_float_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_constrains (ppl_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_unconstrain_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_unconstrain_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_bounded_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_bounded_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_generalized_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_generalized_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_add_space_dimensions_and_project (ppl_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_remove_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_remove_higher_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_dimension_type d)

- int ppl_Pointset_Powerset_Octagonal_Shape_float_expand_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_fold_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_map_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_drop_some_non_integer_points (ppl_Pointset_Powerset_Octagonal_Shape_float_t ph, int complexity)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Octagonal_Shape_float_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_external_memory_in_bytes (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_total_memory_in_bytes (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_size (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_add_disjunct (ppl_Pointset_Powerset_Octagonal_Shape_float_t ps, ppl_const_Octagonal_Shape_float_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_drop_disjunct (ppl_Pointset_Powerset_Octagonal_Shape_float_t ps, ppl_const_Pointset_Powerset_Octagonal_Shape_float_iterator_t cit, ppl_Pointset_Powerset_Octagonal_Shape_float_iterator_t it)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_drop_disjuncts (ppl_Pointset_Powerset_Octagonal_Shape_float_t ps, ppl_const_Pointset_Powerset_Octagonal_Shape_float_iterator_t first, ppl_const_Pointset_Powerset_Octagonal_Shape_float_iterator_t last)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_BHZ03_H79_BHMZ05_widening_assign (ppl_Pointset_Powerset_Octagonal_Shape_float_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_BGP99_BHMZ05_extrapolation_assign (ppl_Pointset_Powerset_Octagonal_Shape_float_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t y, int disjuncts)
- int ppl_io_print_Pointset_Powerset_Octagonal_Shape_float (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t x)
- int ppl_io_fprint_Pointset_Powerset_Octagonal_Shape_float (FILE *stream, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t x)
- int ppl_io_asprint_Pointset_Powerset_Octagonal_Shape_float (char **strp, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t x)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_ascii_dump (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t x, FILE *stream)
- int ppl_Pointset_Powerset_Octagonal_Shape_float_ascii_load (ppl_Pointset_Powerset_Octagonal_Shape_float_t x, FILE *stream)

7.114.1 Detailed Description

Types and functions for ppl_Pointset_Powerset_Octagonal_Shape_float_tag.

7.114.2 Friends And Related Function Documentation

7.114.2.1 int ppl_delete_Pointset_Powerset_Octagonal_Shape_float (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *ph*) [related]

7.114.2.2 int ppl_new_Pointset_Powerset_Octagonal_Shape_float_from_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_float_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.114.2.3 int ppl_new_Pointset_Powerset_Octagonal_Shape_float_from_Pointset_Powerset_Octagonal_Shape_float (ppl_Pointset_Powerset_Octagonal_Shape_float_t * *pph*, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *ph*) [related]

7.114.2.4 int ppl_new_Pointset_Powerset_Octagonal_Shape_float_from_Octagonal_Shape_float (ppl_Pointset_Powerset_Octagonal_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.114.2.5 int ppl_new_Pointset_Powerset_Octagonal_Shape_float_from_Pointset_Powerset_Octagonal_Shape_float_with_complexity (ppl_Pointset_Powerset_Octagonal_Shape_float_t * *pph*, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.114.2.6 int ppl_new_Pointset_Powerset_Octagonal_Shape_float_from_Octagonal_Shape_float_with_complexity (ppl_Pointset_Powerset_Octagonal_Shape_float_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.114.2.7 int ppl_new_Pointset_Powerset_Octagonal_Shape_float_from_Constraint_System (ppl_Pointset_Powerset_Octagonal_Shape_float_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.114.2.8 int ppl_new_Pointset_Powerset_Octagonal_Shape_float_from_Congruence_System (ppl_Pointset_Powerset_Octagonal_Shape_float_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.114.2.9 int ppl_Pointset_Powerset_Octagonal_Shape_float_space_dimension (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_dimension_type * *m*) [related]

7.114.2.10 int ppl_Pointset_Powerset_Octagonal_Shape_float_affine_dimension (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_dimension_type * *m*) [related]

7.114.2.11 int ppl_Pointset_Powerset_Octagonal_Shape_float_relation_with_Constraint (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_const_Constraint_t *c*) [related]

7.114.2.12 int ppl_Pointset_Powerset_Octagonal_Shape_float_relation_with_Generator (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_const_Generator_t *c*) [related]

7.114.2.13 int ppl_Pointset_Powerset_Octagonal_Shape_float_relation_with_Congruence (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_const_Congruence_t *c*) [related]

7.114.2.14 int ppl_Pointset_Powerset_Octagonal_Shape_float_is_empty (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *ph*) [related]

7.114.2.15 int ppl_Pointset_Powerset_Octagonal_Shape_float_is_universe (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *ph*) [related]

7.114.2.16 int ppl_Pointset_Powerset_Octagonal_Shape_float_is_bounded (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *ph*) [related]

7.114.2.17 int ppl_Pointset_Powerset_Octagonal_Shape_float_contains_integer_point (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *ph*) [related]

7.114.2.18 int ppl_Pointset_Powerset_Octagonal_Shape_float_is_topologically_closed (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *ph*) [related]

7.114.2.19 int ppl_Pointset_Powerset_Octagonal_Shape_float_is_discrete (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *ph*) [related]

7.114.2.20 int ppl_Pointset_Powerset_Octagonal_Shape_float_topological_closure_assign (ppl_Pointset_Powerset_Octagonal_Shape_float_t *ph*) [related]

7.114.2.21 int ppl_Pointset_Powerset_Octagonal_Shape_float_pairwise_reduce (ppl_Pointset_Powerset_Octagonal_Shape_float_t *ph*) [related]

7.114.2.22 int ppl_Pointset_Powerset_Octagonal_Shape_float_omega_reduce (ppl_Pointset_Powerset_Octagonal_Shape_float_t *ph*) [related]

7.114.2.23 int ppl_Pointset_Powerset_Octagonal_Shape_float_bounds_from_above (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.114.2.24 int ppl_Pointset_Powerset_Octagonal_Shape_float_bounds_from_below (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.114.2.25 int ppl_Pointset_Powerset_Octagonal_Shape_float_maximize (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.114.2.26 int ppl_Pointset_Powerset_Octagonal_Shape_float_minimize (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.114.2.27 int ppl_Pointset_Powerset_Octagonal_Shape_float_maximize_with_point (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.114.2.28 int ppl_Pointset_Powerset_Octagonal_Shape_float_minimize_with_point (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.114.2.29 int ppl_Pointset_Powerset_Octagonal_Shape_float_contains_Pointset_Powerset_Octagonal_Shape_float (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *y*) [related]

7.114.2.30 int ppl_Pointset_Powerset_Octagonal_Shape_float_strictly_contains_Pointset_Powerset_Octagonal_Shape_float (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *y*) [related]

7.114.2.31 int ppl_Pointset_Powerset_Octagonal_Shape_float_is_disjoint_from_Pointset_Powerset_Octagonal_Shape_float (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *y*) [related]

7.114.2.32 int ppl_Pointset_Powerset_Octagonal_Shape_float_geometrically_covers_Pointset_Powerset_Octagonal_Shape_float (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *y*) [related]

7.114.2.33 int ppl_Pointset_Powerset_Octagonal_Shape_float_geometrically_equals_Pointset_Powerset_Octagonal_Shape_float (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *y*) [related]

7.114.2.34 int ppl_Pointset_Powerset_Octagonal_Shape_float_equals_Pointset_Powerset_Octagonal_Shape_float (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *y*) [related]

7.114.2.35 int ppl_Pointset_Powerset_Octagonal_Shape_float_OK (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *ph*) [related]

7.114.2.36 int ppl_Pointset_Powerset_Octagonal_Shape_float_add_constraint (ppl_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_const_Constraint_t *c*) [related]

7.114.2.37 int ppl_Pointset_Powerset_Octagonal_Shape_float_add_congruence (ppl_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_const_Congruence_t *c*) [related]

7.114.2.38 int ppl_Pointset_Powerset_Octagonal_Shape_float_add_constraints (ppl_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.114.2.39 int ppl_Pointset_Powerset_Octagonal_Shape_float_add_congruences (ppl_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.114.2.40 int ppl_Pointset_Powerset_Octagonal_Shape_float_refine_with_constraint (ppl_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_const_Constraint_t *c*) [related]

7.114.2.41 int ppl_Pointset_Powerset_Octagonal_Shape_float_refine_with_congruence (ppl_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_const_Congruence_t *c*) [related]

7.114.2.42 int ppl_Pointset_Powerset_Octagonal_Shape_float_refine_with_constraints (ppl_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.114.2.43 int ppl_Pointset_Powerset_Octagonal_Shape_float_refine_with_congruences (ppl_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.114.2.44 int ppl_Pointset_Powerset_Octagonal_Shape_float_intersection_assign (ppl_Pointset_Powerset_Octagonal_Shape_float_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *y*) [related]

7.114.2.45 int ppl_Pointset_Powerset_Octagonal_Shape_float_upper_bound_assign (ppl_Pointset_Powerset_Octagonal_Shape_float_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *y*) [related]

7.114.2.46 int ppl_Pointset_Powerset_Octagonal_Shape_float_difference_assign (ppl_Pointset_Powerset_Octagonal_Shape_float_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *y*) [related]

7.114.2.47 int ppl_Pointset_Powerset_Octagonal_Shape_float_concatenate_assign (ppl_Pointset_Powerset_Octagonal_Shape_float_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *y*) [related]

7.114.2.48 int ppl_Pointset_Powerset_Octagonal_Shape_float_time_elapse_assign (ppl_Pointset_Powerset_Octagonal_Shape_float_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *y*) [related]

7.114.2.49 int ppl_Pointset_Powerset_Octagonal_Shape_float_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Octagonal_Shape_float_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *y*) [related]

7.114.2.50 int ppl_Pointset_Powerset_Octagonal_Shape_float_simplify_using_-context_assign (ppl_Pointset_Powerset_Octagonal_Shape_float_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *y*) [related]

7.114.2.51 int ppl_Pointset_Powerset_Octagonal_Shape_float_constrains (ppl_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_dimension_type *var*) [related]

7.114.2.52 int ppl_Pointset_Powerset_Octagonal_Shape_float_unconstrain_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_dimension_type *var*) [related]

7.114.2.53 int ppl_Pointset_Powerset_Octagonal_Shape_float_unconstrain_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.114.2.54 int ppl_Pointset_Powerset_Octagonal_Shape_float_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.114.2.55 int ppl_Pointset_Powerset_Octagonal_Shape_float_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.114.2.56 int ppl_Pointset_Powerset_Octagonal_Shape_float_bounded_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.114.2.57 int ppl_Pointset_Powerset_Octagonal_Shape_float_bounded_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.114.2.58 int ppl_Pointset_Powerset_Octagonal_Shape_float_generalized_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.114.2.59 int ppl_Pointset_Powerset_Octagonal_Shape_float_generalized_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.114.2.60 int ppl_Pointset_Powerset_Octagonal_Shape_float_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.114.2.61 int ppl_Pointset_Powerset_Octagonal_Shape_float_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.114.2.62 int ppl_Pointset_Powerset_Octagonal_Shape_float_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_dimension_type *d*) [related]

7.114.2.63 int ppl_Pointset_Powerset_Octagonal_Shape_float_add_space_dimensions_and_project (ppl_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_dimension_type *d*) [related]

7.114.2.64 int ppl_Pointset_Powerset_Octagonal_Shape_float_remove_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.114.2.65 int ppl_Pointset_Powerset_Octagonal_Shape_float_remove_higher_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_dimension_type *d*) [related]

7.114.2.66 int ppl_Pointset_Powerset_Octagonal_Shape_float_expand_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.114.2.67 int ppl_Pointset_Powerset_Octagonal_Shape_float_fold_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.114.2.68 int ppl_Pointset_Powerset_Octagonal_Shape_float_map_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.114.2.69 int ppl_Pointset_Powerset_Octagonal_Shape_float_drop_some_non_integer_points (ppl_Pointset_Powerset_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.114.2.70 int ppl_Pointset_Powerset_Octagonal_Shape_float_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Octagonal_Shape_float_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.114.2.71 int ppl_Pointset_Powerset_Octagonal_Shape_float_external_memory_in_bytes (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *ps*, size_t * *sz*) [related]

7.114.2.72 int ppl_Pointset_Powerset_Octagonal_Shape_float_total_memory_in_bytes (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *ps*, size_t * *sz*) [related]

7.114.2.73 int ppl_Pointset_Powerset_Octagonal_Shape_float_size (ppl_-const_Pointset_Powerset_Octagonal_Shape_float_t *ps*, size_t * *sz*) [related]

7.114.2.74 int ppl_Pointset_Powerset_Octagonal_Shape_float_add_disjunct (ppl_Pointset_-Powerset_Octagonal_Shape_float_t *ps*, ppl_const_Octagonal_Shape_float_t *d*) [related]

7.114.2.75 int ppl_Pointset_Powerset_Octagonal_Shape_float_drop_disjunct (ppl_Pointset_Powerset_Octagonal_Shape_float_t *ps*, ppl_-const_Pointset_Powerset_Octagonal_Shape_float_iterator_t *cit*, ppl_Pointset_Powerset_Octagonal_Shape_float_iterator_t *it*) [related]

7.114.2.76 int ppl_Pointset_Powerset_Octagonal_Shape_float_drop_disjuncts (ppl_Pointset_Powerset_Octagonal_Shape_float_t *ps*, ppl_-const_Pointset_Powerset_Octagonal_Shape_float_iterator_t *first*, ppl_const_Pointset_Powerset_Octagonal_Shape_float_iterator_t *last*) [related]

7.114.2.77 int ppl_Pointset_Powerset_Octagonal_Shape_float_BHZ03_H79_BHMZ05_-widening_assign (ppl_Pointset_Powerset_Octagonal_Shape_float_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *y*) [related]

7.114.2.78 int ppl_Pointset_Powerset_Octagonal_Shape_float_BGP99_BHMZ05_-extrapolation_assign (ppl_Pointset_Powerset_Octagonal_Shape_float_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *y*, int *disjuncts*) [related]

7.114.2.79 int ppl_io_print_Pointset_Powerset_Octagonal_Shape_float (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *x*) [related]

7.114.2.80 int ppl_io_fprint_Pointset_Powerset_Octagonal_Shape_float (FILE * *stream*, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *x*) [related]

7.114.2.81 int ppl_io_asprint_Pointset_Powerset_Octagonal_Shape_float (char ** *strp*, ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *x*) [related]

7.114.2.82 int ppl_Pointset_Powerset_Octagonal_Shape_float_ascii_dump (ppl_const_Pointset_Powerset_Octagonal_Shape_float_t *x*, FILE * *stream*) [related]

7.114.2.83 int ppl_Pointset_Powerset_Octagonal_Shape_float_ascii_load (ppl_Pointset_Powerset_Octagonal_Shape_float_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.115 ppl_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Octagonal_Shape_int16_t_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_from_const_iterator (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_t *px, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_begin (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t ps, ppl_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_end (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t ps, ppl_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_equal_test (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_increment (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_decrement (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_t psit)

- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_dereference (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_t ps, ppl_const_Octagonal_Shape_int16_t_t ∗d)
- int ppl_delete_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_t psit)

7.115.1 Detailed Description

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Octagonal_Shape_int16_t_tag.

7.115.2 Friends And Related Function Documentation

7.115.2.1 int ppl_new_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_t ∗ *pit*) [related]

7.115.2.2 int ppl_new_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_from_const_iterator (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_t ∗ *px*, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_t *y*) [related]

7.115.2.3 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_begin (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *ps*, ppl_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_t *psit*) [related]

7.115.2.4 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_end (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *ps*, ppl_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_t *psit*) [related]

7.115.2.5 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_equal_test (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_t *y*) [related]

7.115.2.6 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_increment (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_t *psit*) [related]

7.115.2.7 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_decrement (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_t *psit*) [related]

7.115.2.8 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_dereference (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_t *ps*, ppl_const_Octagonal_Shape_int16_t_t * *d*) [related]

7.115.2.9 int ppl_delete_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_const_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.116 ppl_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Octagonal_Shape_int16_t_-tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Octagonal_Shape_int16_t_iterator (ppl_Pointset_Powerset_-Octagonal_Shape_int16_t_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_from_iterator (ppl_Pointset_-Powerset_Octagonal_Shape_int16_t_iterator_t *px, ppl_const_Pointset_Powerset_Octagonal_-Shape_int16_t_iterator_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_begin (ppl_Pointset_Powerset_-Octagonal_Shape_int16_t_t ps, ppl_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_end (ppl_Pointset_Powerset_-Octagonal_Shape_int16_t_t ps, ppl_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_equal_test (ppl_const_Pointset_-Powerset_Octagonal_Shape_int16_t_iterator_t x, ppl_const_Pointset_Powerset_Octagonal_-Shape_int16_t_iterator_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_increment (ppl_Pointset_Powerset_-Octagonal_Shape_int16_t_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_decrement (ppl_Pointset_Powerset_-Octagonal_Shape_int16_t_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_dereference (ppl_const_Pointset_-Powerset_Octagonal_Shape_int16_t_iterator_t ps, ppl_const_Octagonal_Shape_int16_t_t *d)

- int ppl_delete_Pointset_Powerset_Octagonal_Shape_int16_t_iterator (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_t psit)

7.116.1 Detailed Description

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Octagonal_Shape_int16_t_tag.

7.116.2 Friends And Related Function Documentation

7.116.2.1 int ppl_new_Pointset_Powerset_Octagonal_Shape_int16_t_iterator (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_t * *pit*) [related]

7.116.2.2 int ppl_new_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_from_iterator (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_t * *px*, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_t *y*) [related]

7.116.2.3 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_begin (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *ps*, ppl_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_t *psit*) [related]

7.116.2.4 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_end (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *ps*, ppl_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_t *psit*) [related]

7.116.2.5 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_equal_test (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_t *y*) [related]

7.116.2.6 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_increment (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_t *psit*) [related]

7.116.2.7 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_decrement (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_t *psit*) [related]

7.116.2.8 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_dereference (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_t *ps*, ppl_const_Octagonal_Shape_int16_t_t * *d*) [related]

7.116.2.9 int ppl_delete_Pointset_Powerset_Octagonal_Shape_int16_t_iterator (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.117 ppl_Pointset_Powerset_Octagonal_Shape_int16_t_tag Interface Reference

Types and functions for ppl_Pointset_Powerset_Octagonal_Shape_int16_t_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Pointset_Powerset_Octagonal_Shape_int16_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t ph)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_int16_t_from_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_int16_t_from_Pointset_Powerset_Octagonal_Shape_int16_t (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *pph, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t ph)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_int16_t_from_Octagonal_Shape_int16_t (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_int16_t_from_Pointset_Powerset_Octagonal_Shape_int16_t_with_complexity (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *pph, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_int16_t_from_Octagonal_Shape_int16_t_with_complexity (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_int16_t_from_Constraint_System (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_int16_t_from_Congruence_System (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_space_dimension (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_affine_dimension (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_relation_with_Constraint (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_relation_with_Generator (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_const_Generator_t c)

- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_relation_with_Congruence (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_is_empty (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_is_universe (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_is_bounded (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_contains_integer_point (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_is_topologically_closed (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_is_discrete (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_topological_closure_assign (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_pairwise_reduce (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_omega_reduce (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_bounds_from_above (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_bounds_from_below (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_maximize (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_minimize (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_maximize_with_point (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_minimize_with_point (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_contains_Pointset_Powerset_Octagonal_Shape_int16_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_strictly_contains_Pointset_Powerset_Octagonal_Shape_int16_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_is_disjoint_from_Pointset_Powerset_Octagonal_Shape_int16_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_geometrically_covers_Pointset_Powerset_Octagonal_Shape_int16_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_geometrically_equals_Pointset_Powerset_Octagonal_Shape_int16_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t y)

- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_equals_Pointset_Powerset_Octagonal_Shape_int16_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_OK (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_add_constraint (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_add_congruence (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_add_constraints (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_add_congruences (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_refine_with_constraint (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_refine_with_congruence (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_refine_with_constraints (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_refine_with_congruences (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_intersection_assign (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_upper_bound_assign (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_difference_assign (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_concatenate_assign (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_time_elapse_assign (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_simplify_using_context_assign (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_constrains (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_unconstrain_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_unconstrain_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)

- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_bounded_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_bounded_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_generalized_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_generalized_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_add_space_dimensions_and_project (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_remove_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_remove_higher_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_expand_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_fold_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_map_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_drop_some_non_integer_points (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_external_memory_in_bytes (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_total_memory_in_bytes (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_size (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_add_disjunct (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t ps, ppl_const_Octagonal_Shape_int16_t_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_drop_disjunct (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t ps, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_t cit, ppl_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_t it)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_drop_disjuncts (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t ps, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_t first, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_t last)

- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_BHZ03_H79_BHMZ05_widening_assign (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_BGP99_BHMZ05_extrapolation_assign (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t y, int disjuncts)
- int ppl_io_print_Pointset_Powerset_Octagonal_Shape_int16_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t x)
- int ppl_io_fprint_Pointset_Powerset_Octagonal_Shape_int16_t (FILE *stream, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t x)
- int ppl_io_asprint_Pointset_Powerset_Octagonal_Shape_int16_t (char **strp, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t x)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_ascii_dump (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t x, FILE *stream)
- int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_ascii_load (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t x, FILE *stream)

7.117.1 Detailed Description

Types and functions for ppl_Pointset_Powerset_Octagonal_Shape_int16_t_tag.

7.117.2 Friends And Related Function Documentation

7.117.2.1 int ppl_delete_Pointset_Powerset_Octagonal_Shape_int16_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*) [related]

7.117.2.2 int ppl_new_Pointset_Powerset_Octagonal_Shape_int16_t_from_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.117.2.3 int ppl_new_Pointset_Powerset_Octagonal_Shape_int16_t_from_Pointset_Powerset_Octagonal_Shape_int16_t (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*) [related]

7.117.2.4 int ppl_new_Pointset_Powerset_Octagonal_Shape_int16_t_from_Octagonal_Shape_int16_t (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.117.2.5 int ppl_new_Pointset_Powerset_Octagonal_Shape_int16_t_from_-Pointset_Powerset_Octagonal_Shape_int16_t_with_complexity (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t * *pph*, ppl_const_-Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.117.2.6 int ppl_new_Pointset_Powerset_Octagonal_Shape_int16_t_from_Octagonal_Shape_-int16_t_with_complexity (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.117.2.7 int ppl_new_Pointset_Powerset_Octagonal_Shape_int16_t_from_Constraint_-System (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.117.2.8 int ppl_new_Pointset_Powerset_Octagonal_Shape_int16_t_from_Congruence_-System (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.117.2.9 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_space_dimension (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_dimension_type * *m*) [related]

7.117.2.10 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_affine_dimension (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_dimension_type * *m*) [related]

7.117.2.11 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_relation_with_Constraint (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.117.2.12 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_relation_with_Generator (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_const_Generator_t *c*) [related]

7.117.2.13 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_relation_with_Congruence (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.117.2.14 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_is_empty (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*) [related]

7.117.2.15 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_is_universe (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*) [related]

7.117.2.16 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_is_bounded (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*) [related]

7.117.2.17 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_contains_integer_point (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*) [related]

7.117.2.18 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_is_topologically_closed (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*) [related]

7.117.2.19 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_is_discrete (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*) [related]

7.117.2.20 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_topological_closure_assign (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*) [related]

7.117.2.21 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_pairwise_reduce (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*) [related]

7.117.2.22 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_omega_reduce (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*) [related]

7.117.2.23 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_bounds_from_above (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.117.2.24 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_bounds_from_below (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.117.2.25 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_maximize (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.117.2.26 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_minimize (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.117.2.27 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_maximize_with_point (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.117.2.28 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_minimize_with_point (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.117.2.29 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_contains_Pointset_Powerset_Octagonal_Shape_int16_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *y*) [related]

7.117.2.30 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_strictly_contains_Pointset_Powerset_Octagonal_Shape_int16_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *y*) [related]

7.117.2.31 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_is_disjoint_from_Pointset_Powerset_Octagonal_Shape_int16_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *y*) [related]

7.117.2.32 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_geometrically_covers_Pointset_Powerset_Octagonal_Shape_int16_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *y*) [related]

7.117.2.33 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_geometrically_equals_Pointset_Powerset_Octagonal_Shape_int16_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *y*) [related]

7.117.2.34 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_equals_Pointset_Powerset_Octagonal_Shape_int16_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *y*) [related]

7.117.2.35 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_OK (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*) [related]

7.117.2.36 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_add_constraint (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.117.2.37 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_add_congruence (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.117.2.38 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_add_constraints (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.117.2.39 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_add_congruences (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.117.2.40 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_refine_with_constraint (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.117.2.41 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_refine_with_congruence (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.117.2.42 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_refine_with_constraints (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.117.2.43 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_refine_with_congruences (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.117.2.44 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_intersection_assign (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *y*) [related]

7.117.2.45 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_upper_bound_assign (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *y*) [related]

7.117.2.46 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_difference_assign (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *y*) [related]

7.117.2.47 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_concatenate_assign (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *y*) [related]

7.117.2.48 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_time_elapse_assign (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *y*) [related]

7.117.2.49 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *y*) [related]

7.117.2.50 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_simplify_using_context_assign (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *y*) [related]

7.117.2.51 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_constrains (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_dimension_type *var*) [related]

7.117.2.52 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_unconstrain_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_dimension_type *var*) [related]

7.117.2.53 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_unconstrain_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.117.2.54 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.117.2.55 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.117.2.56 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_bounded_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.117.2.57 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_bounded_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.117.2.58 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_generalized_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.117.2.59 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_generalized_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.117.2.60 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.117.2.61 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.117.2.62 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_dimension_type *d*) [related]

7.117.2.63 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_add_space_dimensions_and_project (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_dimension_type *d*) [related]

7.117.2.64 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_remove_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.117.2.65 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_remove_higher_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_dimension_type *d*) [related]

7.117.2.66 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_expand_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.117.2.67 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_fold_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.117.2.68 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_map_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.117.2.69 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_drop_some_non_integer_points (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.117.2.70 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.117.2.71 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_external_memory_in_bytes (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *ps*, size_t * *sz*) [related]

7.117.2.72 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_total_memory_in_bytes (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *ps*, size_t * *sz*) [related]

7.117.2.73 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_size (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *ps*, size_t * *sz*) [related]

7.117.2.74 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_add_disjunct (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *ps*, ppl_const_Octagonal_Shape_int16_t_t *d*) [related]

7.117.2.75 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_drop_disjunct (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *ps*, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_t *cit*, ppl_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_t *it*) [related]

7.117.2.76 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_drop_disjuncts (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *ps*, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_t *first*, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_iterator_t *last*) [related]

7.117.2.77 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_BHZ03_H79_BHMZ05_widening_assign (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *y*) [related]

7.117.2.78 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_BGP99_BHMZ05_extrapolation_assign (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *y*, int *disjuncts*) [related]

7.117.2.79 int ppl_io_print_Pointset_Powerset_Octagonal_Shape_int16_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *x*) [related]

7.117.2.80 int ppl_io_fprint_Pointset_Powerset_Octagonal_Shape_int16_t (FILE * *stream*, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *x*) [related]

7.117.2.81 int ppl_io_asprint_Pointset_Powerset_Octagonal_Shape_int16_t (char ** *strp*, ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *x*) [related]

7.117.2.82 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_ascii_dump (ppl_const_Pointset_Powerset_Octagonal_Shape_int16_t_t *x*, FILE * *stream*) [related]

7.117.2.83 int ppl_Pointset_Powerset_Octagonal_Shape_int16_t_ascii_load (ppl_Pointset_Powerset_Octagonal_Shape_int16_t_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.118 ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_from_const_iterator (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_t *px, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_begin (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t ps, ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_end (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t ps, ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_equal_test (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_increment (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_decrement (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_dereference (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_t ps, ppl_const_Octagonal_Shape_int32_t_t *d)
- int ppl_delete_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_t psit)

7.118.1 Detailed Description

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag.

7.118.2 Friends And Related Function Documentation

7.118.2.1 int ppl_new_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_t * *pit*) [related]

7.118.2.2 int ppl_new_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_from_const_iterator (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_t * *px*, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_t *y*) [related]

7.118.2.3 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_begin (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *ps*, ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_t *psit*) [related]

7.118.2.4 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_end (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *ps*, ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_t *psit*) [related]

7.118.2.5 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_equal_test (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_t *y*) [related]

7.118.2.6 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_increment (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_t *psit*) [related]

7.118.2.7 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_decrement (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_t *psit*) [related]

7.118.2.8 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_dereference (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_t *ps*, ppl_const_Octagonal_Shape_int32_t_t * *d*) [related]

7.118.2.9 int ppl_delete_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.119 ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Octagonal_Shape_int32_t_-tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Octagonal_Shape_int32_t_iterator (ppl_Pointset_Powerset_-Octagonal_Shape_int32_t_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_from_iterator (ppl_Pointset_-Powerset_Octagonal_Shape_int32_t_iterator_t *px, ppl_const_Pointset_Powerset_Octagonal_-Shape_int32_t_iterator_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_begin (ppl_Pointset_Powerset_-Octagonal_Shape_int32_t_t ps, ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_end (ppl_Pointset_Powerset_-Octagonal_Shape_int32_t_t ps, ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_equal_test (ppl_const_Pointset_-Powerset_Octagonal_Shape_int32_t_iterator_t x, ppl_const_Pointset_Powerset_Octagonal_-Shape_int32_t_iterator_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_increment (ppl_Pointset_Powerset_-Octagonal_Shape_int32_t_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_decrement (ppl_Pointset_Powerset_-Octagonal_Shape_int32_t_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_dereference (ppl_const_Pointset_-Powerset_Octagonal_Shape_int32_t_iterator_t ps, ppl_const_Octagonal_Shape_int32_t_t *d)
- int ppl_delete_Pointset_Powerset_Octagonal_Shape_int32_t_iterator (ppl_const_Pointset_-Powerset_Octagonal_Shape_int32_t_iterator_t psit)

7.119.1 Detailed Description

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Octagonal_Shape_int32_t_-tag.

7.119.2 Friends And Related Function Documentation

7.119.2.1 int ppl_new_Pointset_Powerset_Octagonal_Shape_int32_t_iterator (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_t * *pit*) [related]

7.119.2.2 int ppl_new_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_from_iterator (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_t * *px*, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_t *y*) [related]

7.119.2.3 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_begin (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *ps*, ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_t *psit*) [related]

7.119.2.4 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_end (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *ps*, ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_t *psit*) [related]

7.119.2.5 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_equal_test (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_t *y*) [related]

7.119.2.6 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_increment (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_t *psit*) [related]

7.119.2.7 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_decrement (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_t *psit*) [related]

7.119.2.8 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_dereference (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_t *ps*, ppl_const_Octagonal_Shape_int32_t_t * *d*) [related]

7.119.2.9 int ppl_delete_Pointset_Powerset_Octagonal_Shape_int32_t_iterator (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.120 ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag Interface Reference

Types and functions for ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Pointset_Powerset_Octagonal_Shape_int32_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t ph)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_int32_t_from_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_int32_t_from_Pointset_Powerset_Octagonal_Shape_int32_t (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *pph, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t ph)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_int32_t_from_Octagonal_Shape_int32_t (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_int32_t_from_Pointset_Powerset_Octagonal_Shape_int32_t_with_complexity (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *pph, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_int32_t_from_Octagonal_Shape_int32_t_with_complexity (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_int32_t_from_Constraint_System (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_int32_t_from_Congruence_System (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_space_dimension (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_affine_dimension (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_relation_with_Constraint (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_relation_with_Generator (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_const_Generator_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_relation_with_Congruence (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_is_empty (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_is_universe (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_is_bounded (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_contains_integer_point (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_is_topologically_closed (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_is_discrete (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t ph)

- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_topological_closure_assign (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_pairwise_reduce (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_omega_reduce (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_bounds_from_above (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_bounds_from_below (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_maximize (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_minimize (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_maximize_with_point (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_minimize_with_point (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_contains_Pointset_Powerset_Octagonal_Shape_int32_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_strictly_contains_Pointset_Powerset_Octagonal_Shape_int32_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_is_disjoint_from_Pointset_Powerset_Octagonal_Shape_int32_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_geometrically_covers_Pointset_Powerset_Octagonal_Shape_int32_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_geometrically_equals_Pointset_Powerset_Octagonal_Shape_int32_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_equals_Pointset_Powerset_Octagonal_Shape_int32_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_OK (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_add_constraint (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_add_congruence (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_add_constraints (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_add_congruences (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_refine_with_constraint (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_const_Constraint_t c)

- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_refine_with_congruence (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_refine_with_constraints (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_refine_with_congruences (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_intersection_assign (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_upper_bound_assign (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_difference_assign (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_concatenate_assign (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_time_elapse_assign (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_simplify_using_context_assign (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_constrains (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_unconstrain_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_unconstrain_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_bounded_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_bounded_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_generalized_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_generalized_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)

- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_add_space_dimensions_and_project (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_remove_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_remove_higher_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_expand_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_fold_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_map_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_drop_some_non_integer_points (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_external_memory_in_bytes (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_total_memory_in_bytes (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_size (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_add_disjunct (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t ps, ppl_const_Octagonal_Shape_int32_t_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_drop_disjunct (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t ps, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_t cit, ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_t it)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_drop_disjuncts (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t ps, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_t first, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_t last)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_BHZ03_H79_BHMZ05_widening_assign (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_BGP99_BHMZ05_extrapolation_assign (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t y, int disjuncts)
- int ppl_io_print_Pointset_Powerset_Octagonal_Shape_int32_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t x)
- int ppl_io_fprint_Pointset_Powerset_Octagonal_Shape_int32_t (FILE *stream, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t x)
- int ppl_io_asprint_Pointset_Powerset_Octagonal_Shape_int32_t (char **strp, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t x)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_ascii_dump (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t x, FILE *stream)
- int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_ascii_load (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t x, FILE *stream)

7.120.1 Detailed Description

Types and functions for ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag.

7.120.2 Friends And Related Function Documentation

7.120.2.1 int ppl_delete_Pointset_Powerset_Octagonal_Shape_int32_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*) [related]

7.120.2.2 int ppl_new_Pointset_Powerset_Octagonal_Shape_int32_t_from_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.120.2.3 int ppl_new_Pointset_Powerset_Octagonal_Shape_int32_t_from_Pointset_Powerset_Octagonal_Shape_int32_t (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*) [related]

7.120.2.4 int ppl_new_Pointset_Powerset_Octagonal_Shape_int32_t_from_Octagonal_Shape_int32_t (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.120.2.5 int ppl_new_Pointset_Powerset_Octagonal_Shape_int32_t_from_Pointset_Powerset_Octagonal_Shape_int32_t_with_complexity (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.120.2.6 int ppl_new_Pointset_Powerset_Octagonal_Shape_int32_t_from_Octagonal_Shape_int32_t_with_complexity (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.120.2.7 int ppl_new_Pointset_Powerset_Octagonal_Shape_int32_t_from_Constraint_System (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.120.2.8 int ppl_new_Pointset_Powerset_Octagonal_Shape_int32_t_from_Congruence_System (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.120.2.9 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_space_dimension (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_dimension_type * *m*) [related]

7.120.2.10 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_affine_dimension (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_dimension_type * *m*) [related]

7.120.2.11 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_relation_with_Constraint (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.120.2.12 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_relation_with_Generator (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_const_Generator_t *c*) [related]

7.120.2.13 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_relation_with_Congruence (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.120.2.14 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_is_empty (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*) [related]

7.120.2.15 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_is_universe (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*) [related]

7.120.2.16 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_is_bounded (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*) [related]

7.120.2.17 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_contains_integer_point (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*) [related]

7.120.2.18 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_is_topologically_closed (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*) [related]

7.120.2.19 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_is_discrete (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*) [related]

7.120.2.20 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_topological_closure_assign (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*) [related]

7.120.2.21 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_pairwise_reduce (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*) [related]

7.120.2.22 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_omega_reduce (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*) [related]

7.120.2.23 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_bounds_from_above (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.120.2.24 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_bounds_from_below (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.120.2.25 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_maximize (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.120.2.26 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_minimize (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.120.2.27 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_maximize_with_point (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.120.2.28 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_minimize_with_point (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.120.2.29 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_contains_Pointset_Powerset_Octagonal_Shape_int32_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *y*) [related]

7.120.2.30 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_strictly_contains_Pointset_Powerset_Octagonal_Shape_int32_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *y*) [related]

7.120.2.31 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_is_disjoint_from_Pointset_Powerset_Octagonal_Shape_int32_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *y*) [related]

7.120.2.32 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_geometrically_covers_Pointset_-Powerset_Octagonal_Shape_int32_t (ppl_const_Pointset_Powerset_Octagonal_-Shape_int32_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *y*) [related]

7.120.2.33 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_geometrically_equals_Pointset_-Powerset_Octagonal_Shape_int32_t (ppl_const_Pointset_Powerset_Octagonal_-Shape_int32_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *y*) [related]

7.120.2.34 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_equals_Pointset_Powerset_-Octagonal_Shape_int32_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *y*) [related]

7.120.2.35 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_OK (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*) [related]

7.120.2.36 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_add_constraint (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.120.2.37 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_add_congruence (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.120.2.38 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_add_constraints (ppl_Pointset_-Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.120.2.39 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_add_congruences (ppl_Pointset_-Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.120.2.40 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_refine_with_constraint (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.120.2.41 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_refine_with_congruence (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.120.2.42 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_refine_with_constraints (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.120.2.43 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_refine_with_congruences (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.120.2.44 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_intersection_assign (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *y*) [related]

7.120.2.45 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_upper_bound_assign (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *y*) [related]

7.120.2.46 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_difference_assign (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *y*) [related]

7.120.2.47 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_concatenate_assign (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *y*) [related]

7.120.2.48 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_time_elapse_-assign (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *y*) [related]

7.120.2.49 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_upper_bound_-assign_if_exact (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *y*) [related]

7.120.2.50 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_simplify_using_-context_assign (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *y*) [related]

7.120.2.51 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_constrains (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_dimension_type *var*) [related]

7.120.2.52 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_unconstrain_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_dimension_type *var*) [related]

7.120.2.53 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_unconstrain_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.120.2.54 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.120.2.55 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.120.2.56 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_bounded_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.120.2.57 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_bounded_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.120.2.58 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_generalized_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.120.2.59 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_generalized_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.120.2.60 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.120.2.61 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.120.2.62 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_dimension_type *d*) [related]

7.120.2.63 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_add_space_dimensions_and_project (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_dimension_type *d*) [related]

7.120.2.64 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_remove_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.120.2.65 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_remove_higher_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_dimension_type *d*) [related]

7.120.2.66 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_expand_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.120.2.67 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_fold_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.120.2.68 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_map_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.120.2.69 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_drop_some_non_integer_points (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.120.2.70 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.120.2.71 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_external_memory_in_bytes (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *ps*, size_t * *sz*) [related]

7.120.2.72 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_total_memory_in_bytes (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *ps*, size_t * *sz*) [related]

7.120.2.73 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_size (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *ps*, size_t * *sz*) [related]

7.120.2.74 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_add_disjunct (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *ps*, ppl_const_Octagonal_Shape_int32_t_t *d*) [related]

7.120.2.75 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_drop_disjunct (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *ps*, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_t *cit*, ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_t *it*) [related]

7.120.2.76 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_drop_disjuncts (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *ps*, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_t *first*, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_t *last*) [related]

7.120.2.77 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_BHZ03_H79_BHMZ05_widening_assign (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *y*) [related]

7.120.2.78 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_BGP99_BHMZ05_-extrapolation_assign (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *y*, int *disjuncts*) [related]

7.120.2.79 int ppl_io_print_Pointset_Powerset_Octagonal_Shape_int32_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *x*) [related]

7.120.2.80 int ppl_io_fprint_Pointset_Powerset_Octagonal_Shape_int32_t (FILE * *stream*, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *x*) [related]

7.120.2.81 int ppl_io_asprint_Pointset_Powerset_Octagonal_Shape_int32_t (char ** *strp*, ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *x*) [related]

7.120.2.82 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_ascii_dump (ppl_const_Pointset_Powerset_Octagonal_Shape_int32_t_t *x*, FILE * *stream*) [related]

7.120.2.83 int ppl_Pointset_Powerset_Octagonal_Shape_int32_t_ascii_load (ppl_Pointset_Powerset_Octagonal_Shape_int32_t_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.121 ppl_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator (ppl_Pointset_Powerset_-Octagonal_Shape_int64_t_const_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_from_const_iterator (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_t *px, ppl_const_Pointset_-Powerset_Octagonal_Shape_int64_t_const_iterator_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_begin (ppl_const_Pointset_-Powerset_Octagonal_Shape_int64_t_t ps, ppl_Pointset_Powerset_Octagonal_Shape_int64_t_-const_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_end (ppl_const_Pointset_-Powerset_Octagonal_Shape_int64_t_t ps, ppl_Pointset_Powerset_Octagonal_Shape_int64_t_-const_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_equal_test (ppl_const_-Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_t x, ppl_const_Pointset_Powerset_-Octagonal_Shape_int64_t_const_iterator_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_increment (ppl_Pointset_-Powerset_Octagonal_Shape_int64_t_const_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_decrement (ppl_Pointset_-Powerset_Octagonal_Shape_int64_t_const_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_dereference (ppl_const_-Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_t ps, ppl_const_Octagonal_Shape_-int64_t_t *d)
- int ppl_delete_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator (ppl_const_Pointset_-Powerset_Octagonal_Shape_int64_t_const_iterator_t psit)

7.121.1 Detailed Description

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag.

7.121.2 Friends And Related Function Documentation

7.121.2.1 int ppl_new_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_t * *pit*) [related]

7.121.2.2 int ppl_new_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_from_-const_iterator (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_t * *px*, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_t *y*) [related]

7.121.2.3 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_begin (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *ps*, ppl_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_t *psit*) [related]

7.121.2.4 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_end (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *ps*, ppl_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_t *psit*) [related]

7.121.2.5 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_equal_test (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_t *y*) [related]

7.121.2.6 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_increment (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_t *psit*) [related]

7.121.2.7 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_decrement (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_t *psit*) [related]

7.121.2.8 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_dereference (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_t *ps*, ppl_const_Octagonal_Shape_int64_t_t * *d*) [related]

7.121.2.9 int ppl_delete_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.122 ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Octagonal_Shape_int64_t_-tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Octagonal_Shape_int64_t_iterator (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_from_iterator (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_t *px, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_begin (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t ps, ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_end (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t ps, ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_equal_test (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_increment (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_decrement (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_dereference (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_t ps, ppl_const_Octagonal_Shape_int64_t_t *d)
- int ppl_delete_Pointset_Powerset_Octagonal_Shape_int64_t_iterator (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_t psit)

7.122.1 Detailed Description

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag.

7.122.2 Friends And Related Function Documentation

7.122.2.1 int ppl_new_Pointset_Powerset_Octagonal_Shape_int64_t_iterator (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_t * *pit*) [related]

7.122.2.2 int ppl_new_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_from_iterator (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_t * *px*, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_t *y*) [related]

7.122.2.3 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_begin (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *ps*, ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_t *psit*) [related]

7.122.2.4 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_end (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *ps*, ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_t *psit*) [related]

7.122.2.5 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_equal_test (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_t *y*) [related]

7.122.2.6 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_increment (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_t *psit*) [related]

7.122.2.7 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_decrement (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_t *psit*) [related]

7.122.2.8 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_dereference (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_t *ps*, ppl_const_Octagonal_Shape_int64_t_t * *d*) [related]

7.122.2.9 int ppl_delete_Pointset_Powerset_Octagonal_Shape_int64_t_iterator (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.123 ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag Interface Reference

Types and functions for ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Pointset_Powerset_Octagonal_Shape_int64_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t ph)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_int64_t_from_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_int64_t_from_Pointset_Powerset_Octagonal_Shape_int64_t (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *pph, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t ph)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_int64_t_from_Octagonal_Shape_int64_t (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)

- int ppl_new_Pointset_Powerset_Octagonal_Shape_int64_t_from_Pointset_Powerset_Octagonal_Shape_int64_t_with_complexity (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *pph, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_int64_t_from_Octagonal_Shape_int64_t_with_complexity (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_int64_t_from_Constraint_System (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_int64_t_from_Congruence_System (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_space_dimension (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_affine_dimension (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_relation_with_Constraint (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_relation_with_Generator (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t ph, ppl_const_Generator_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_relation_with_Congruence (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_is_empty (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_is_universe (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_is_bounded (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_contains_integer_point (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_is_topologically_closed (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_is_discrete (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_topological_closure_assign (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_pairwise_reduce (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_omega_reduce (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_bounds_from_above (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_bounds_from_below (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_maximize (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_minimize (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_maximize_with_point (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)

- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_minimize_with_point (ppl_const_Pointset_-Powerset_Octagonal_Shape_int64_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_-t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_contains_Pointset_Powerset_Octagonal_-Shape_int64_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t x, ppl_const_Pointset_-Powerset_Octagonal_Shape_int64_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_strictly_contains_Pointset_Powerset_-Octagonal_Shape_int64_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t x, ppl_-const_Pointset_Powerset_Octagonal_Shape_int64_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_is_disjoint_from_Pointset_Powerset_-Octagonal_Shape_int64_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t x, ppl_-const_Pointset_Powerset_Octagonal_Shape_int64_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_geometrically_covers_Pointset_Powerset_-Octagonal_Shape_int64_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t x, ppl_-const_Pointset_Powerset_Octagonal_Shape_int64_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_geometrically_equals_Pointset_Powerset_-Octagonal_Shape_int64_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t x, ppl_-const_Pointset_Powerset_Octagonal_Shape_int64_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_equals_Pointset_Powerset_Octagonal_-Shape_int64_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t x, ppl_const_Pointset_-Powerset_Octagonal_Shape_int64_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_OK (ppl_const_Pointset_Powerset_-Octagonal_Shape_int64_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_add_constraint (ppl_Pointset_Powerset_-Octagonal_Shape_int64_t_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_add_congruence (ppl_Pointset_Powerset_-Octagonal_Shape_int64_t_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_add_constraints (ppl_Pointset_Powerset_-Octagonal_Shape_int64_t_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_add_congruences (ppl_Pointset_Powerset_-Octagonal_Shape_int64_t_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_refine_with_constraint (ppl_Pointset_-Powerset_Octagonal_Shape_int64_t_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_refine_with_congruence (ppl_Pointset_-Powerset_Octagonal_Shape_int64_t_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_refine_with_constraints (ppl_Pointset_-Powerset_Octagonal_Shape_int64_t_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_refine_with_congruences (ppl_Pointset_-Powerset_Octagonal_Shape_int64_t_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_intersection_assign (ppl_Pointset_Powerset_-Octagonal_Shape_int64_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_upper_bound_assign (ppl_Pointset_-Powerset_Octagonal_Shape_int64_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_difference_assign (ppl_Pointset_Powerset_-Octagonal_Shape_int64_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_concatenate_assign (ppl_Pointset_-Powerset_Octagonal_Shape_int64_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_time_elapse_assign (ppl_Pointset_-Powerset_Octagonal_Shape_int64_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t y)

- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_simplify_using_context_assign (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_constrains (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_unconstrain_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_unconstrain_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_bounded_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_bounded_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_generalized_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_generalized_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_add_space_dimensions_and_project (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_remove_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_remove_higher_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_expand_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_fold_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_map_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_drop_some_non_integer_points (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t ph, int complexity)

- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_external_memory_in_bytes (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_total_memory_in_bytes (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_size (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_add_disjunct (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t ps, ppl_const_Octagonal_Shape_int64_t_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_drop_disjunct (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t ps, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_t cit, ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_t it)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_drop_disjuncts (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t ps, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_t first, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_t last)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_BHZ03_H79_BHMZ05_widening_assign (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_BGP99_BHMZ05_extrapolation_assign (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t y, int disjuncts)
- int ppl_io_print_Pointset_Powerset_Octagonal_Shape_int64_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t x)
- int ppl_io_fprint_Pointset_Powerset_Octagonal_Shape_int64_t (FILE *stream, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t x)
- int ppl_io_asprint_Pointset_Powerset_Octagonal_Shape_int64_t (char **strp, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t x)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_ascii_dump (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t x, FILE *stream)
- int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_ascii_load (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t x, FILE *stream)

7.123.1 Detailed Description

Types and functions for ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag.

7.123.2 Friends And Related Function Documentation

7.123.2.1 int ppl_delete_Pointset_Powerset_Octagonal_Shape_int64_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*) [related]

7.123.2.2 int ppl_new_Pointset_Powerset_Octagonal_Shape_int64_t_from_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.123.2.3 int ppl_new_Pointset_Powerset_Octagonal_Shape_int64_t_from_Pointset_Powerset_-Octagonal_Shape_int64_t (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*) [related]

7.123.2.4 int ppl_new_Pointset_Powerset_Octagonal_Shape_int64_t_from_Octagonal_-Shape_int64_t (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.123.2.5 int ppl_new_Pointset_Powerset_Octagonal_Shape_int64_t_from_-Pointset_Powerset_Octagonal_Shape_int64_t_with_complexity (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t * *pph*, ppl_const_-Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.123.2.6 int ppl_new_Pointset_Powerset_Octagonal_Shape_int64_t_from_Octagonal_Shape_-int64_t_with_complexity (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.123.2.7 int ppl_new_Pointset_Powerset_Octagonal_Shape_int64_t_from_Constraint_-System (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.123.2.8 int ppl_new_Pointset_Powerset_Octagonal_Shape_int64_t_from_Congruence_-System (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.123.2.9 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_space_dimension (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_dimension_type * *m*) [related]

7.123.2.10 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_affine_dimension (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_dimension_type * *m*) [related]

7.123.2.11 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_relation_with_Constraint (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.123.2.12 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_relation_with_Generator (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_const_Generator_t *c*) [related]

7.123.2.13 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_relation_with_Congruence (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.123.2.14 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_is_empty (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*) [related]

7.123.2.15 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_is_universe (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*) [related]

7.123.2.16 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_is_bounded (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*) [related]

7.123.2.17 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_contains_integer_point (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*) [related]

7.123.2.18 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_is_topologically_closed (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*) [related]

7.123.2.19 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_is_discrete (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*) [related]

7.123.2.20 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_topological_closure_assign (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*) [related]

7.123.2.21 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_pairwise_reduce (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*) [related]

7.123.2.22 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_omega_reduce (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*) [related]

7.123.2.23 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_bounds_from_above (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.123.2.24 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_bounds_from_below (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.123.2.25 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_maximize (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.123.2.26 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_minimize (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.123.2.27 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_maximize_with_point (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.123.2.28 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_minimize_with_point (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.123.2.29 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_contains_Pointset_Powerset_Octagonal_Shape_int64_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *y*) [related]

7.123.2.30 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_strictly_contains_Pointset_Powerset_Octagonal_Shape_int64_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *y*) [related]

7.123.2.31 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_is_disjoint_from_Pointset_Powerset_Octagonal_Shape_int64_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *y*) [related]

7.123.2.32 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_geometrically_covers_Pointset_Powerset_Octagonal_Shape_int64_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *y*) [related]

7.123.2.33 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_geometrically_equals_Pointset_Powerset_Octagonal_Shape_int64_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *y*) [related]

7.123.2.34 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_equals_Pointset_Powerset_Octagonal_Shape_int64_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *y*) [related]

7.123.2.35 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_OK (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*) [related]

7.123.2.36 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_add_constraint (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.123.2.37 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_add_congruence (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.123.2.38 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_add_constraints (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.123.2.39 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_add_congruences (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.123.2.40 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_refine_with_constraint (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.123.2.41 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_refine_with_congruence (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.123.2.42 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_refine_with_constraints (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.123.2.43 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_refine_with_congruences (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.123.2.44 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_intersection_assign (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *y*) [related]

7.123.2.45 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_upper_bound_assign (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *y*) [related]

7.123.2.46 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_difference_assign (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *y*) [related]

7.123.2.47 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_concatenate_assign (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *y*) [related]

7.123.2.48 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_time_elapse_assign (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *y*) [related]

7.123.2.49 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *y*) [related]

7.123.2.50 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_simplify_using_context_assign (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *y*) [related]

7.123.2.51 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_constrains (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_dimension_type *var*) [related]

7.123.2.52 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_unconstrain_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_dimension_type *var*) [related]

7.123.2.53 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_unconstrain_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.123.2.54 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.123.2.55 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.123.2.56 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_bounded_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.123.2.57 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_bounded_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.123.2.58 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_generalized_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.123.2.59 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_generalized_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.123.2.60 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.123.2.61 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.123.2.62 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_dimension_type *d*) [related]

7.123.2.63 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_add_space_dimensions_and_project (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_dimension_type *d*) [related]

7.123.2.64 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_remove_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.123.2.65 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_remove_higher_-space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_dimension_type *d*) [related]

7.123.2.66 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_expand_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.123.2.67 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_fold_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.123.2.68 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_map_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.123.2.69 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_drop_some_non_integer_points (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.123.2.70 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_drop_some_non_integer_-points_2 (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.123.2.71 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_external_memory_in_bytes (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *ps*, size_t * *sz*) [related]

7.123.2.72 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_total_memory_in_bytes (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *ps*, size_t * *sz*) [related]

7.123.2.73 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_size (ppl_-const_Pointset_Powerset_Octagonal_Shape_int64_t_t *ps*, size_t * *sz*) [related]

7.123.2.74 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_add_disjunct (ppl_Pointset_-Powerset_Octagonal_Shape_int64_t_t *ps*, ppl_const_Octagonal_Shape_int64_t_t *d*) [related]

7.123.2.75 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_drop_disjunct (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *ps*, ppl_-const_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_t *cit*, ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_t *it*) [related]

7.123.2.76 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_drop_disjuncts (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *ps*, ppl_-const_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_t *first*, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_t *last*) [related]

7.123.2.77 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_BHZ03_H79_BHMZ05_-widening_assign (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *y*) [related]

7.123.2.78 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_BGP99_BHMZ05_-extrapolation_assign (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *y*, int *disjuncts*) [related]

7.123.2.79 int ppl_io_print_Pointset_Powerset_Octagonal_Shape_int64_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *x*) [related]

7.123.2.80 int ppl_io_fprint_Pointset_Powerset_Octagonal_Shape_int64_t (FILE * *stream*, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *x*) [related]

7.123.2.81 int ppl_io_asprint_Pointset_Powerset_Octagonal_Shape_int64_t (char ** *strp*, ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *x*) [related]

7.123.2.82 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_ascii_dump (ppl_const_Pointset_Powerset_Octagonal_Shape_int64_t_t *x*, FILE * *stream*) [related]

7.123.2.83 int ppl_Pointset_Powerset_Octagonal_Shape_int64_t_ascii_load (ppl_Pointset_Powerset_Octagonal_Shape_int64_t_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.124 ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_from_const_iterator (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_t *px, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_begin (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t ps, ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_end (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t ps, ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_equal_test (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_increment (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_decrement (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_t psit)

- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_dereference (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_t ps, ppl_const_Octagonal_Shape_int8_t_t *d)
- int ppl_delete_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_t psit)

7.124.1 Detailed Description

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag.

7.124.2 Friends And Related Function Documentation

7.124.2.1 int ppl_new_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_t * *pit*) [related]

7.124.2.2 int ppl_new_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_from_const_iterator (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_t * *px*, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_t *y*) [related]

7.124.2.3 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_begin (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *ps*, ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_t *psit*) [related]

7.124.2.4 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_end (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *ps*, ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_t *psit*) [related]

7.124.2.5 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_equal_test (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_t *y*) [related]

7.124.2.6 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_increment (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_t *psit*) [related]

7.124.2.7 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_decrement (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_t *psit*) [related]

7.124.2.8 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_dereference (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_t *ps*, ppl_const_Octagonal_Shape_int8_t_t * *d*) [related]

7.124.2.9 int ppl_delete_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.125 ppl_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Octagonal_Shape_int8_t_iterator (ppl_Pointset_Powerset_-Octagonal_Shape_int8_t_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_from_iterator (ppl_Pointset_-Powerset_Octagonal_Shape_int8_t_iterator_t *px, ppl_const_Pointset_Powerset_Octagonal_-Shape_int8_t_iterator_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_begin (ppl_Pointset_Powerset_-Octagonal_Shape_int8_t_t ps, ppl_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_end (ppl_Pointset_Powerset_-Octagonal_Shape_int8_t_t ps, ppl_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_equal_test (ppl_const_Pointset_-Powerset_Octagonal_Shape_int8_t_iterator_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_-int8_t_iterator_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_increment (ppl_Pointset_Powerset_-Octagonal_Shape_int8_t_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_decrement (ppl_Pointset_Powerset_-Octagonal_Shape_int8_t_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_dereference (ppl_const_Pointset_-Powerset_Octagonal_Shape_int8_t_iterator_t ps, ppl_const_Octagonal_Shape_int8_t_t *d)

- int ppl_delete_Pointset_Powerset_Octagonal_Shape_int8_t_iterator (ppl_const_Pointset_-Powerset_Octagonal_Shape_int8_t_iterator_t psit)

7.125.1 Detailed Description

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-tag.

7.125.2 Friends And Related Function Documentation

7.125.2.1 int ppl_new_Pointset_Powerset_Octagonal_Shape_int8_t_iterator (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_t * *pit*) [related]

7.125.2.2 int ppl_new_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_from_iterator (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_t * *px*, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_t *y*) [related]

7.125.2.3 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_begin (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *ps*, ppl_Pointset_Powerset_-Octagonal_Shape_int8_t_iterator_t *psit*) [related]

7.125.2.4 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_end (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *ps*, ppl_Pointset_Powerset_-Octagonal_Shape_int8_t_iterator_t *psit*) [related]

7.125.2.5 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_equal_test (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_t *y*) [related]

7.125.2.6 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_increment (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_t *psit*) [related]

7.125.2.7 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_decrement (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_t *psit*) [related]

7.125.2.8 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_dereference (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_t *ps*, ppl_const_Octagonal_Shape_int8_t_t * *d*) [related]

7.125.2.9 int ppl_delete_Pointset_Powerset_Octagonal_Shape_int8_t_iterator (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.126 ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag Interface Reference

Types and functions for ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Pointset_Powerset_Octagonal_Shape_int8_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t ph)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_int8_t_from_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_int8_t_from_Pointset_Powerset_Octagonal_Shape_int8_t (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *pph, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t ph)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_int8_t_from_Octagonal_Shape_int8_t (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_int8_t_from_Pointset_Powerset_Octagonal_Shape_int8_t_with_complexity (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *pph, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_int8_t_from_Octagonal_Shape_int8_t_with_complexity (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_int8_t_from_Constraint_System (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_int8_t_from_Congruence_System (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_space_dimension (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_affine_dimension (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_relation_with_Constraint (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_relation_with_Generator (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_const_Generator_t c)

- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_relation_with_Congruence (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_is_empty (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_is_universe (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_is_bounded (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_contains_integer_point (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_is_topologically_closed (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_is_discrete (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_topological_closure_assign (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_pairwise_reduce (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_omega_reduce (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_bounds_from_above (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_bounds_from_below (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_maximize (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_minimize (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_maximize_with_point (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_minimize_with_point (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_contains_Pointset_Powerset_Octagonal_Shape_int8_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_strictly_contains_Pointset_Powerset_Octagonal_Shape_int8_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_is_disjoint_from_Pointset_Powerset_Octagonal_Shape_int8_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_geometrically_covers_Pointset_Powerset_Octagonal_Shape_int8_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_geometrically_equals_Pointset_Powerset_Octagonal_Shape_int8_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t y)

- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_equals_Pointset_Powerset_Octagonal_Shape_int8_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_OK (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_add_constraint (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_add_congruence (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_add_constraints (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_add_congruences (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_refine_with_constraint (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_refine_with_congruence (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_refine_with_constraints (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_refine_with_congruences (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_intersection_assign (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_upper_bound_assign (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_difference_assign (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_concatenate_assign (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_time_elapse_assign (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_simplify_using_context_assign (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_constrains (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_unconstrain_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_unconstrain_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_bounded_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)

- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_bounded_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_generalized_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_generalized_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_add_space_dimensions_and_project (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_remove_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_remove_higher_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_expand_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_fold_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_map_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_drop_some_non_integer_points (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_external_memory_in_bytes (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_total_memory_in_bytes (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_size (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_add_disjunct (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t ps, ppl_const_Octagonal_Shape_int8_t_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_drop_disjunct (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t ps, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_t cit, ppl_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_t it)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_drop_disjuncts (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t ps, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_t first, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_t last)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_BHZ03_H79_BHMZ05_widening_assign (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t y)

- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_BGP99_BHMZ05_extrapolation_assign (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t y, int disjuncts)
- int ppl_io_print_Pointset_Powerset_Octagonal_Shape_int8_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t x)
- int ppl_io_fprint_Pointset_Powerset_Octagonal_Shape_int8_t (FILE *stream, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t x)
- int ppl_io_asprint_Pointset_Powerset_Octagonal_Shape_int8_t (char **strp, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t x)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_ascii_dump (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t x, FILE *stream)
- int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_ascii_load (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t x, FILE *stream)

7.126.1 Detailed Description

Types and functions for ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag.

7.126.2 Friends And Related Function Documentation

7.126.2.1 int ppl_delete_Pointset_Powerset_Octagonal_Shape_int8_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*) [related]

7.126.2.2 int ppl_new_Pointset_Powerset_Octagonal_Shape_int8_t_from_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.126.2.3 int ppl_new_Pointset_Powerset_Octagonal_Shape_int8_t_from_Pointset_Powerset_Octagonal_Shape_int8_t (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*) [related]

7.126.2.4 int ppl_new_Pointset_Powerset_Octagonal_Shape_int8_t_from_Octagonal_Shape_int8_t (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.126.2.5 int ppl_new_Pointset_Powerset_Octagonal_Shape_int8_t_from_Pointset_Powerset_Octagonal_Shape_int8_t_with_complexity (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.126.2.6 int ppl_new_Pointset_Powerset_Octagonal_Shape_int8_t_from_Octagonal_Shape_int8_t_with_complexity (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.126.2.7 int ppl_new_Pointset_Powerset_Octagonal_Shape_int8_t_from_Constraint_System (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.126.2.8 int ppl_new_Pointset_Powerset_Octagonal_Shape_int8_t_from_Congruence_System (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.126.2.9 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_space_dimension (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type * *m*) [related]

7.126.2.10 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_affine_dimension (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type * *m*) [related]

7.126.2.11 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_relation_with_Constraint (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.126.2.12 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_relation_with_Generator (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_const_Generator_t *c*) [related]

7.126.2.13 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_relation_with_Congruence (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.126.2.14 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_is_empty (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*) [related]

7.126.2.15 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_is_universe (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*) [related]

7.126.2.16 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_is_bounded (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*) [related]

7.126.2.17 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_contains_integer_point (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*) [related]

7.126.2.18 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_is_topologically_closed (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*) [related]

7.126.2.19 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_is_discrete (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*) [related]

7.126.2.20 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_topological_closure_assign (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*) [related]

7.126.2.21 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_pairwise_reduce (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*) [related]

7.126.2.22 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_omega_reduce (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*) [related]

7.126.2.23 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_bounds_from_above (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.126.2.24 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_bounds_from_below (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.126.2.25 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_maximize (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.126.2.26 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_minimize (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.126.2.27 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_maximize_with_point (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.126.2.28 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_minimize_with_point (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.126.2.29 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_contains_Pointset_Powerset_Octagonal_Shape_int8_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *y*) [related]

7.126.2.30 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_strictly_contains_Pointset_Powerset_Octagonal_Shape_int8_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *y*) [related]

7.126.2.31 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_is_disjoint_from_Pointset_Powerset_Octagonal_Shape_int8_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *y*) [related]

7.126.2.32 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_geometrically_covers_Pointset_Powerset_Octagonal_Shape_int8_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *y*) [related]

7.126.2.33 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_geometrically_equals_Pointset_Powerset_Octagonal_Shape_int8_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *y*) [related]

7.126.2.34 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_equals_Pointset_Powerset_Octagonal_Shape_int8_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *y*) [related]

7.126.2.35 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_OK (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*) [related]

7.126.2.36 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_add_constraint (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.126.2.37 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_add_congruence (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.126.2.38 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_add_constraints (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.126.2.39 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_add_congruences (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.126.2.40 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_refine_with_constraint (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_const_Constraint_t *c*) [related]

7.126.2.41 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_refine_with_congruence (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_const_Congruence_t *c*) [related]

7.126.2.42 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_refine_with_constraints (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.126.2.43 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_refine_with_congruences (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.126.2.44 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_intersection_assign (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *y*) [related]

7.126.2.45 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_upper_bound_assign (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *y*) [related]

7.126.2.46 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_difference_assign (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *y*) [related]

7.126.2.47 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_concatenate_assign (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *y*) [related]

7.126.2.48 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_time_elapse_assign (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *y*) [related]

7.126.2.49 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *y*) [related]

7.126.2.50 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_simplify_using_context_assign (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *y*) [related]

7.126.2.51 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_constrains (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type *var*) [related]

7.126.2.52 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_unconstrain_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type *var*) [related]

7.126.2.53 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_unconstrain_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.126.2.54 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.126.2.55 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.126.2.56 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_bounded_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.126.2.57 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_bounded_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.126.2.58 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_generalized_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.126.2.59 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_generalized_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.126.2.60 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.126.2.61 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.126.2.62 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type *d*) [related]

7.126.2.63 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_add_space_dimensions_and_project (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type *d*) [related]

7.126.2.64 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_remove_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.126.2.65 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_remove_higher_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type *d*) [related]

7.126.2.66 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_expand_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.126.2.67 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_fold_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.126.2.68 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_map_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.126.2.69 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_drop_some_non_integer_points (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.126.2.70 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.126.2.71 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_external_memory_in_bytes (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *ps*, size_t * *sz*) [related]

7.126.2.72 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_total_memory_in_bytes (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *ps*, size_t * *sz*) [related]

7.126.2.73 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_size (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *ps*, size_t * *sz*) [related]

7.126.2.74 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_add_disjunct (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *ps*, ppl_const_Octagonal_Shape_int8_t_t *d*) [related]

7.126.2.75 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_drop_disjunct (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *ps*, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_t *cit*, ppl_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_t *it*) [related]

7.126.2.76 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_drop_disjuncts (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *ps*, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_t *first*, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_iterator_t *last*) [related]

7.126.2.77 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_BHZ03_H79_BHMZ05_widening_assign (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *y*) [related]

7.126.2.78 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_BGP99_BHMZ05_extrapolation_assign (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *y*, int *disjuncts*) [related]

7.126.2.79 int ppl_io_print_Pointset_Powerset_Octagonal_Shape_int8_t (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *x*) [related]

7.126.2.80 int ppl_io_fprint_Pointset_Powerset_Octagonal_Shape_int8_t (FILE * *stream*, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *x*) [related]

7.126.2.81 int ppl_io_asprint_Pointset_Powerset_Octagonal_Shape_int8_t (char ** *strp*, ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *x*) [related]

7.126.2.82 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_ascii_dump (ppl_const_Pointset_Powerset_Octagonal_Shape_int8_t_t *x*, FILE * *stream*) [related]

7.126.2.83 int ppl_Pointset_Powerset_Octagonal_Shape_int8_t_ascii_load (ppl_Pointset_Powerset_Octagonal_Shape_int8_t_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.127 ppl_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator (ppl_Pointset_-Powerset_Octagonal_Shape_long_double_const_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_from_const_-iterator (ppl_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_t *px, ppl_const_-Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_begin (ppl_const_-Pointset_Powerset_Octagonal_Shape_long_double_t ps, ppl_Pointset_Powerset_Octagonal_-Shape_long_double_const_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_end (ppl_const_-Pointset_Powerset_Octagonal_Shape_long_double_t ps, ppl_Pointset_Powerset_Octagonal_-Shape_long_double_const_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_equal_test (ppl_const_-Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_t x, ppl_const_Pointset_-Powerset_Octagonal_Shape_long_double_const_iterator_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_increment (ppl_-Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_decrement (ppl_-Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_dereference (ppl_const_-Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_t ps, ppl_const_Octagonal_-Shape_long_double_t *d)
- int ppl_delete_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator (ppl_const_-Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_t psit)

7.127.1 Detailed Description

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag.

7.127.2 Friends And Related Function Documentation

7.127.2.1 int ppl_new_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator (ppl_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_t * *pit*) [related]

7.127.2.2 int ppl_new_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_from_const_iterator (ppl_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_t * *px*, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_t *y*) [related]

7.127.2.3 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_begin (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *ps*, ppl_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_t *psit*) [related]

7.127.2.4 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_end (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *ps*, ppl_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_t *psit*) [related]

7.127.2.5 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_equal_test (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_t *y*) [related]

7.127.2.6 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_increment (ppl_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_t *psit*) [related]

7.127.2.7 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_decrement (ppl_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_t *psit*) [related]

7.127.2.8 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_dereference (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_t *ps*, ppl_const_Octagonal_Shape_long_double_t * *d*) [related]

7.127.2.9 int ppl_delete_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_const_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.128 ppl_Pointset_Powerset_Octagonal_Shape_long_double_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Octagonal_Shape_long_double_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Octagonal_Shape_long_double_iterator (ppl_Pointset_Powerset_Octagonal_Shape_long_double_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_long_double_iterator_from_iterator (ppl_Pointset_Powerset_Octagonal_Shape_long_double_iterator_t *px, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_iterator_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_iterator_begin (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ps, ppl_Pointset_Powerset_Octagonal_Shape_long_double_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_iterator_end (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ps, ppl_Pointset_Powerset_Octagonal_Shape_long_double_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_iterator_equal_test (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_iterator_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_iterator_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_iterator_increment (ppl_Pointset_Powerset_Octagonal_Shape_long_double_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_iterator_decrement (ppl_Pointset_Powerset_Octagonal_Shape_long_double_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_iterator_dereference (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_iterator_t ps, ppl_const_Octagonal_Shape_long_double_t *d)
- int ppl_delete_Pointset_Powerset_Octagonal_Shape_long_double_iterator (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_iterator_t psit)

7.128.1 Detailed Description

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Octagonal_Shape_long_double_tag.

7.128.2 Friends And Related Function Documentation

7.128.2.1 int ppl_new_Pointset_Powerset_Octagonal_Shape_long_double_iterator (ppl_Pointset_Powerset_Octagonal_Shape_long_double_iterator_t * *pit*) [related]

7.128.2.2 int ppl_new_Pointset_Powerset_Octagonal_Shape_long_double_iterator_from_iterator (ppl_Pointset_Powerset_Octagonal_Shape_long_double_iterator_t * *px*, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_iterator_t *y*) [related]

7.128.2.3 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_iterator_begin (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *ps*, ppl_Pointset_Powerset_Octagonal_Shape_long_double_iterator_t *psit*) [related]

7.128.2.4 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_iterator_end (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *ps*, ppl_Pointset_Powerset_Octagonal_Shape_long_double_iterator_t *psit*) [related]

7.128.2.5 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_iterator_equal_test (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_iterator_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_iterator_t *y*) [related]

7.128.2.6 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_iterator_increment (ppl_Pointset_Powerset_Octagonal_Shape_long_double_iterator_t *psit*) [related]

7.128.2.7 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_iterator_decrement (ppl_Pointset_Powerset_Octagonal_Shape_long_double_iterator_t *psit*) [related]

7.128.2.8 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_iterator_dereference (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_iterator_t *ps*, ppl_const_Octagonal_Shape_long_double_t * *d*) [related]

7.128.2.9 int ppl_delete_Pointset_Powerset_Octagonal_Shape_long_double_iterator (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.129 ppl_Pointset_Powerset_Octagonal_Shape_long_double_tag Interface Reference

Types and functions for ppl_Pointset_Powerset_Octagonal_Shape_long_double_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Pointset_Powerset_Octagonal_Shape_long_double (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t ph)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_long_double_from_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_long_double_from_Pointset_Powerset_Octagonal_Shape_long_double (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *pph, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t ph)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_long_double_from_Octagonal_Shape_long_double (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_long_double_from_Pointset_Powerset_Octagonal_Shape_long_double_with_complexity (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *pph, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_long_double_from_Octagonal_Shape_long_double_with_complexity (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_long_double_from_Constraint_System (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_long_double_from_Congruence_System (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_space_dimension (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_affine_dimension (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_relation_with_Constraint (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_relation_with_Generator (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_const_Generator_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_relation_with_Congruence (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_const_Congruence_t c)

- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_is_empty (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_is_universe (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_is_bounded (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_contains_integer_point (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_is_topologically_closed (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_is_discrete (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_topological_closure_assign (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_pairwise_reduce (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_omega_reduce (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_bounds_from_above (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_bounds_from_below (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_maximize (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_minimize (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_maximize_with_point (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_minimize_with_point (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_contains_Pointset_Powerset_Octagonal_Shape_long_double (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_strictly_contains_Pointset_Powerset_Octagonal_Shape_long_double (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_is_disjoint_from_Pointset_Powerset_Octagonal_Shape_long_double (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_geometrically_covers_Pointset_Powerset_Octagonal_Shape_long_double (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_geometrically_equals_Pointset_Powerset_Octagonal_Shape_long_double (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_equals_Pointset_Powerset_Octagonal_Shape_long_double (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t y)

- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_OK (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_add_constraint (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_add_congruence (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_add_constraints (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_add_congruences (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_refine_with_constraint (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_refine_with_congruence (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_refine_with_constraints (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_refine_with_congruences (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_intersection_assign (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_upper_bound_assign (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_difference_assign (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_concatenate_assign (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_time_elapse_assign (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_simplify_using_context_assign (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_constrains (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_unconstrain_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_unconstrain_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)

- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_bounded_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_bounded_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_generalized_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_generalized_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_add_space_dimensions_and_project (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_remove_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_remove_higher_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_expand_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_fold_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_map_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_drop_some_non_integer_points (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_external_memory_in_bytes (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_total_memory_in_bytes (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_size (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_add_disjunct (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ps, ppl_const_Octagonal_Shape_long_double_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_drop_disjunct (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ps, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_iterator_t cit, ppl_Pointset_Powerset_Octagonal_Shape_long_double_iterator_t it)

- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_drop_disjuncts (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ps, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_iterator_t first, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_iterator_t last)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_BHZ03_H79_BHMZ05_widening_assign (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_BGP99_BHMZ05_extrapolation_assign (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t y, int disjuncts)
- int ppl_io_print_Pointset_Powerset_Octagonal_Shape_long_double (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t x)
- int ppl_io_fprint_Pointset_Powerset_Octagonal_Shape_long_double (FILE ∗stream, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t x)
- int ppl_io_asprint_Pointset_Powerset_Octagonal_Shape_long_double (char ∗∗strp, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t x)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_ascii_dump (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t x, FILE ∗stream)
- int ppl_Pointset_Powerset_Octagonal_Shape_long_double_ascii_load (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t x, FILE ∗stream)

7.129.1 Detailed Description

Types and functions for ppl_Pointset_Powerset_Octagonal_Shape_long_double_tag.

7.129.2 Friends And Related Function Documentation

7.129.2.1 int ppl_delete_Pointset_Powerset_Octagonal_Shape_long_double (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*) [related]

7.129.2.2 int ppl_new_Pointset_Powerset_Octagonal_Shape_long_double_from_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ∗ *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.129.2.3 int ppl_new_Pointset_Powerset_Octagonal_Shape_long_double_from_Pointset_Powerset_Octagonal_Shape_long_double (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ∗ *pph*, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*) [related]

7.129.2.4 int ppl_new_Pointset_Powerset_Octagonal_Shape_long_double_from_Octagonal_Shape_long_double (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t ∗ *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.129.2.5 int ppl_new_Pointset_Powerset_Octagonal_Shape_long_double_from_-Pointset_Powerset_Octagonal_Shape_long_double_with_complexity (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t * *pph*, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.129.2.6 int ppl_new_Pointset_Powerset_Octagonal_Shape_long_double_from_Octagonal_-Shape_long_double_with_complexity (ppl_Pointset_Powerset_Octagonal_Shape_long_-double_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.129.2.7 int ppl_new_Pointset_Powerset_Octagonal_Shape_long_double_from_Constraint_-System (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.129.2.8 int ppl_new_Pointset_Powerset_Octagonal_Shape_long_double_from_Congruence_-System (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.129.2.9 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_space_dimension (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type * *m*) [related]

7.129.2.10 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_affine_dimension (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type * *m*) [related]

7.129.2.11 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_relation_with_Constraint (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_const_Constraint_t *c*) [related]

7.129.2.12 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_relation_with_Generator (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_const_Generator_t *c*) [related]

7.129.2.13 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_relation_with_Congruence (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_const_Congruence_t *c*) [related]

7.129.2.14 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_is_empty (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*) [related]

7.129.2.15 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_is_universe (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*) [related]

7.129.2.16 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_is_bounded (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*) [related]

7.129.2.17 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_contains_integer_point (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*) [related]

7.129.2.18 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_is_topologically_closed (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*) [related]

7.129.2.19 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_is_discrete (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*) [related]

7.129.2.20 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_topological_closure_assign (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*) [related]

7.129.2.21 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_pairwise_reduce (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*) [related]

7.129.2.22 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_omega_reduce (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*) [related]

7.129.2.23 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_bounds_from_above (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.129.2.24 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_bounds_from_below (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.129.2.25 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_maximize (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.129.2.26 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_minimize (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.129.2.27 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_maximize_with_point (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.129.2.28 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_minimize_with_point (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.129.2.29 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_-contains_Pointset_Powerset_Octagonal_Shape_long_double (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *y*) [related]

7.129.2.30 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_-strictly_contains_Pointset_Powerset_Octagonal_Shape_long_double (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *y*) [related]

7.129.2.31 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_is_-disjoint_from_Pointset_Powerset_Octagonal_Shape_long_double (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *y*) [related]

7.129.2.32 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_-geometrically_covers_Pointset_Powerset_Octagonal_Shape_long_double (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *y*) [related]

7.129.2.33 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_-geometrically_equals_Pointset_Powerset_Octagonal_Shape_long_double (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *y*) [related]

7.129.2.34 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_-equals_Pointset_Powerset_Octagonal_Shape_long_double (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *y*) [related]

7.129.2.35 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_OK (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*) [related]

7.129.2.36 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_add_constraint (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_const_Constraint_t *c*) [related]

7.129.2.37 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_add_congruence (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_const_Congruence_t *c*) [related]

7.129.2.38 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_add_constraints (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.129.2.39 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_add_congruences (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.129.2.40 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_refine_with_constraint (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_const_Constraint_t *c*) [related]

7.129.2.41 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_refine_with_congruence (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_const_Congruence_t *c*) [related]

7.129.2.42 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_refine_with_constraints (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.129.2.43 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_refine_with_congruences (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.129.2.44 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_intersection_-assign (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *y*) [related]

7.129.2.45 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_upper_-bound_assign (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *y*) [related]

7.129.2.46 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_difference_-assign (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *y*) [related]

7.129.2.47 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_concatenate_-assign (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *y*) [related]

7.129.2.48 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_time_elapse_-assign (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *y*) [related]

7.129.2.49 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_upper_bound_-assign_if_exact (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *y*) [related]

7.129.2.50 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_simplify_using_-context_assign (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *y*) [related]

7.129.2.51 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_constrains (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type *var*) [related]

7.129.2.52 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_unconstrain_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type *var*) [related]

7.129.2.53 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_unconstrain_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.129.2.54 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.129.2.55 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.129.2.56 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_bounded_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.129.2.57 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_bounded_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.129.2.58 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_generalized_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.129.2.59 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_generalized_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.129.2.60 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.129.2.61 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.129.2.62 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type *d*) [related]

7.129.2.63 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_add_space_dimensions_and_project (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type *d*) [related]

7.129.2.64 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_remove_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.129.2.65 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_remove_higher_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type *d*) [related]

7.129.2.66 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_expand_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.129.2.67 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_fold_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.129.2.68 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_map_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.129.2.69 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_drop_some_non_integer_points (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.129.2.70 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.129.2.71 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_external_memory_in_bytes (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *ps*, size_t * *sz*) [related]

7.129.2.72 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_total_memory_in_bytes (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *ps*, size_t * *sz*) [related]

7.129.2.73 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_size (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *ps*, size_t * *sz*) [related]

7.129.2.74 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_add_disjunct (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *ps*, ppl_const_Octagonal_Shape_long_double_t *d*) [related]

7.129.2.75 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_drop_disjunct (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *ps*, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_iterator_t *cit*, ppl_Pointset_Powerset_Octagonal_Shape_long_double_iterator_t *it*) [related]

7.129.2.76 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_drop_disjuncts (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *ps*, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_iterator_t *first*, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_iterator_t *last*) [related]

7.129.2.77 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_BHZ03_H79_BHMZ05_-widening_assign (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *y*) [related]

7.129.2.78 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_BGP99_BHMZ05_-extrapolation_assign (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *y*, int *disjuncts*) [related]

7.129.2.79 int ppl_io_print_Pointset_Powerset_Octagonal_Shape_long_double (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *x*) [related]

7.129.2.80 int ppl_io_fprint_Pointset_Powerset_Octagonal_Shape_long_double (FILE * *stream*, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *x*) [related]

7.129.2.81 int ppl_io_asprint_Pointset_Powerset_Octagonal_Shape_long_double (char ** *strp*, ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *x*) [related]

7.129.2.82 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_ascii_dump (ppl_const_Pointset_Powerset_Octagonal_Shape_long_double_t *x*, FILE * *stream*) [related]

7.129.2.83 int ppl_Pointset_Powerset_Octagonal_Shape_long_double_ascii_load (ppl_Pointset_Powerset_Octagonal_Shape_long_double_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.130 ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator (ppl_Pointset_-Powerset_Octagonal_Shape_mpq_class_const_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator_from_const_iterator (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator_t *px, ppl_const_Pointset_-Powerset_Octagonal_Shape_mpq_class_const_iterator_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator_begin (ppl_const_-Pointset_Powerset_Octagonal_Shape_mpq_class_t ps, ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_const_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator_end (ppl_const_Pointset_-Powerset_Octagonal_Shape_mpq_class_t ps, ppl_Pointset_Powerset_Octagonal_Shape_mpq_-class_const_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator_equal_test (ppl_const_-Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator_t x, ppl_const_Pointset_-Powerset_Octagonal_Shape_mpq_class_const_iterator_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator_increment (ppl_Pointset_-Powerset_Octagonal_Shape_mpq_class_const_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator_decrement (ppl_Pointset_-Powerset_Octagonal_Shape_mpq_class_const_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator_dereference (ppl_const_-Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator_t ps, ppl_const_Octagonal_-Shape_mpq_class_t *d)
- int ppl_delete_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator (ppl_const_-Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator_t psit)

7.130.1 Detailed Description

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_tag.

7.130.2 Friends And Related Function Documentation

7.130.2.1 int ppl_new_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator_t * *pit*) [related]

7.130.2.2 int ppl_new_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator_from_-const_iterator (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator_t * *px*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator_t *y*) [related]

7.130.2.3 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator_begin (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ps*, ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator_t *psit*) [related]

7.130.2.4 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator_end (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ps*, ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator_t *psit*) [related]

7.130.2.5 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator_equal_test (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator_t *y*) [related]

7.130.2.6 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator_increment (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator_t *psit*) [related]

7.130.2.7 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator_decrement (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator_t *psit*) [related]

7.130.2.8 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator_dereference (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator_t *ps*, ppl_const_Octagonal_Shape_mpq_class_t * *d*) [related]

7.130.2.9 int ppl_delete_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_const_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.131 ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_from_iterator (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_t *px, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_begin (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t ps, ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_end (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t ps, ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_equal_test (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_increment (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_t psit)

- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_decrement (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_dereference (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_t ps, ppl_const_Octagonal_Shape_mpq_class_t *d)
- int ppl_delete_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_t psit)

7.131.1 Detailed Description

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_tag.

7.131.2 Friends And Related Function Documentation

7.131.2.1 int ppl_new_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_t * *pit*) [related]

7.131.2.2 int ppl_new_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_from_iterator (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_t * *px*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_t *y*) [related]

7.131.2.3 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_begin (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ps*, ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_t *psit*) [related]

7.131.2.4 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_end (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ps*, ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_t *psit*) [related]

7.131.2.5 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_equal_test (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_t *y*) [related]

7.131.2.6 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_increment (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_t *psit*) [related]

7.131.2.7 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_decrement (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_t *psit*) [related]

7.131.2.8 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_dereference (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_t *ps*, ppl_const_Octagonal_Shape_mpq_class_t * *d*) [related]

7.131.2.9 int ppl_delete_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.132 ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_tag Interface Reference

Types and functions for ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Pointset_Powerset_Octagonal_Shape_mpq_class (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_mpq_class_from_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_mpq_class_from_Pointset_Powerset_Octagonal_Shape_mpq_class (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *pph, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_mpq_class_from_Octagonal_Shape_mpq_class (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_mpq_class_from_Pointset_Powerset_Octagonal_Shape_mpq_class_with_complexity (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *pph, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_mpq_class_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_mpq_class_from_Constraint_System (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *pph, ppl_const_Constraint_System_t cs)

- int ppl_new_Pointset_Powerset_Octagonal_Shape_mpq_class_from_Congruence_System (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_space_dimension (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_affine_dimension (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_relation_with_Constraint (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_relation_with_Generator (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_const_Generator_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_relation_with_Congruence (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_is_empty (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_is_universe (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_is_bounded (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_contains_integer_point (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_is_topologically_closed (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_is_discrete (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_topological_closure_assign (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_pairwise_reduce (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_omega_reduce (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_bounds_from_above (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_bounds_from_below (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_maximize (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_minimize (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_maximize_with_point (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_minimize_with_point (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_contains_Pointset_Powerset_Octagonal_Shape_mpq_class (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_strictly_contains_Pointset_Powerset_Octagonal_Shape_mpq_class (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t y)

- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_is_disjoint_from_Pointset_Powerset_Octagonal_Shape_mpq_class (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_geometrically_covers_Pointset_Powerset_Octagonal_Shape_mpq_class (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_geometrically_equals_Pointset_Powerset_Octagonal_Shape_mpq_class (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_equals_Pointset_Powerset_Octagonal_Shape_mpq_class (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_OK (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_add_constraint (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_add_congruence (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_add_constraints (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_add_congruences (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_refine_with_constraint (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_refine_with_congruence (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_refine_with_constraints (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_refine_with_congruences (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_intersection_assign (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_upper_bound_assign (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_difference_assign (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_concatenate_assign (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_time_elapse_assign (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_simplify_using_context_assign (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_constrains (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type var)

- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_unconstrain_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_unconstrain_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_bounded_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_bounded_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_generalized_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_generalized_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_add_space_dimensions_and_project (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_remove_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_remove_higher_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_expand_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_fold_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_map_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_drop_some_non_integer_points (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_external_memory_in_bytes (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_total_memory_in_bytes (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t ps, size_t *sz)

- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_size (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_add_disjunct (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t ps, ppl_const_Octagonal_Shape_mpq_class_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_drop_disjunct (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t ps, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_t cit, ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_t it)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_drop_disjuncts (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t ps, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_t first, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_t last)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_BHZ03_H79_BHMZ05_widening_assign (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_BGP99_BHMZ05_extrapolation_assign (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t y, int disjuncts)
- int ppl_io_print_Pointset_Powerset_Octagonal_Shape_mpq_class (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t x)
- int ppl_io_fprint_Pointset_Powerset_Octagonal_Shape_mpq_class (FILE *stream, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t x)
- int ppl_io_asprint_Pointset_Powerset_Octagonal_Shape_mpq_class (char **strp, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t x)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_ascii_dump (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t x, FILE *stream)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_ascii_load (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t x, FILE *stream)

7.132.1 Detailed Description

Types and functions for ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_tag.

7.132.2 Friends And Related Function Documentation

7.132.2.1 int ppl_delete_Pointset_Powerset_Octagonal_Shape_mpq_class (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*) [related]

7.132.2.2 int ppl_new_Pointset_Powerset_Octagonal_Shape_mpq_class_from_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.132.2.3 int ppl_new_Pointset_Powerset_Octagonal_Shape_mpq_class_from_Pointset_Powerset_Octagonal_Shape_mpq_class (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*) [related]

7.132.2.4 int ppl_new_Pointset_Powerset_Octagonal_Shape_mpq_class_from_Octagonal_-Shape_mpq_class (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.132.2.5 int ppl_new_Pointset_Powerset_Octagonal_Shape_mpq_class_from_-Pointset_Powerset_Octagonal_Shape_mpq_class_with_complexity (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.132.2.6 int ppl_new_Pointset_Powerset_Octagonal_Shape_mpq_class_from_Octagonal_Shape_-mpq_class_with_complexity (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.132.2.7 int ppl_new_Pointset_Powerset_Octagonal_Shape_mpq_class_from_Constraint_System (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.132.2.8 int ppl_new_Pointset_Powerset_Octagonal_Shape_mpq_class_from_Congruence_-System (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.132.2.9 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_space_dimension (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type * *m*) [related]

7.132.2.10 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_affine_dimension (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type * *m*) [related]

7.132.2.11 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_relation_with_Constraint (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Constraint_t *c*) [related]

7.132.2.12 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_relation_with_Generator (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Generator_t *c*) [related]

7.132.2.13 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_relation_with_Congruence (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Congruence_t *c*) [related]

7.132.2.14 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_is_empty (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*) [related]

7.132.2.15 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_is_universe (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*) [related]

7.132.2.16 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_is_bounded (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*) [related]

7.132.2.17 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_contains_integer_point (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*) [related]

7.132.2.18 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_is_topologically_closed (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*) [related]

7.132.2.19 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_is_discrete (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*) [related]

7.132.2.20 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_topological_closure_assign (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*) [related]

7.132.2.21 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_pairwise_reduce (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*) [related]

7.132.2.22 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_omega_reduce (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*) [related]

7.132.2.23 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_bounds_from_above (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.132.2.24 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_bounds_from_below (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.132.2.25 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_maximize (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.132.2.26 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_minimize (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.132.2.27 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_maximize_with_point (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.132.2.28 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_minimize_with_point (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.132.2.29 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_-contains_Pointset_Powerset_Octagonal_Shape_mpq_class (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *y*) [related]

7.132.2.30 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_-strictly_contains_Pointset_Powerset_Octagonal_Shape_mpq_class (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *y*) [related]

7.132.2.31 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_is_-disjoint_from_Pointset_Powerset_Octagonal_Shape_mpq_class (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *y*) [related]

7.132.2.32 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_-geometrically_covers_Pointset_Powerset_Octagonal_Shape_mpq_class (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *y*) [related]

7.132.2.33 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_-geometrically_equals_Pointset_Powerset_Octagonal_Shape_mpq_class (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *y*) [related]

7.132.2.34 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_equals_Pointset_Powerset_-Octagonal_Shape_mpq_class (ppl_const_Pointset_Powerset_Octagonal_Shape_-mpq_class_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *y*) [related]

7.132.2.35 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_OK (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*) [related]

7.132.2.36 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_add_constraint (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Constraint_t *c*) [related]

7.132.2.37 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_add_congruence (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Congruence_t *c*) [related]

7.132.2.38 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_add_constraints (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.132.2.39 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_add_congruences (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.132.2.40 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_refine_with_constraint (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Constraint_t *c*) [related]

7.132.2.41 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_refine_with_congruence (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Congruence_t *c*) [related]

7.132.2.42 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_refine_with_constraints (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.132.2.43 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_refine_with_congruences (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.132.2.44 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_intersection_-assign (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *y*) [related]

7.132.2.45 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_upper_-bound_assign (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *y*) [related]

7.132.2.46 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_difference_-assign (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *y*) [related]

7.132.2.47 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_concatenate_-assign (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *y*) [related]

7.132.2.48 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_time_elapse_-assign (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *y*) [related]

7.132.2.49 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_upper_bound_-assign_if_exact (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *y*) [related]

7.132.2.50 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_simplify_using_-context_assign (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *y*) [related]

7.132.2.51 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_constrains (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type *var*) [related]

7.132.2.52 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_unconstrain_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type *var*) [related]

7.132.2.53 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_unconstrain_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.132.2.54 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.132.2.55 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.132.2.56 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_bounded_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.132.2.57 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_bounded_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.132.2.58 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_generalized_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.132.2.59 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_generalized_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.132.2.60 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.132.2.61 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.132.2.62 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type *d*) [related]

7.132.2.63 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_add_space_dimensions_and_project (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type *d*) [related]

7.132.2.64 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_remove_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.132.2.65 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_remove_higher_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type *d*) [related]

7.132.2.66 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_expand_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.132.2.67 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_fold_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.132.2.68 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_map_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.132.2.69 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_drop_some_non_integer_points (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.132.2.70 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.132.2.71 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_external_memory_in_bytes (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ps*, size_t * *sz*) [related]

7.132.2.72 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_total_memory_in_bytes (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ps*, size_t * *sz*) [related]

7.132.2.73 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_size (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ps*, size_t * *sz*) [related]

7.132.2.74 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_add_disjunct (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ps*, ppl_const_Octagonal_Shape_mpq_class_t *d*) [related]

7.132.2.75 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_drop_disjunct (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ps*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_t *cit*, ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_t *it*) [related]

7.132.2.76 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_drop_disjuncts (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *ps*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_t *first*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_t *last*) [related]

7.132.2.77 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_BHZ03_H79_BHMZ05_widening_assign (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *y*) [related]

7.132.2.78 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_BGP99_BHMZ05_extrapolation_assign (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *y*, int *disjuncts*) [related]

7.132.2.79 int ppl_io_print_Pointset_Powerset_Octagonal_Shape_mpq_class (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *x*) [related]

7.132.2.80 int ppl_io_fprint_Pointset_Powerset_Octagonal_Shape_mpq_class (FILE * *stream*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *x*) [related]

7.132.2.81 int ppl_io_asprint_Pointset_Powerset_Octagonal_Shape_mpq_class (char ** *strp*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *x*) [related]

7.132.2.82 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_ascii_dump (ppl_const_Pointset_Powerset_Octagonal_Shape_mpq_class_t *x*, FILE * *stream*) [related]

7.132.2.83 int ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_ascii_load (ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.133 ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_from_const_iterator (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_t *px, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_begin (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t ps, ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_end (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t ps, ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_equal_test (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_increment (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_decrement (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_dereference (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_t ps, ppl_const_Octagonal_Shape_mpz_class_t *d)
- int ppl_delete_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_t psit)

7.133.1 Detailed Description

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag.

7.133.2 Friends And Related Function Documentation

7.133.2.1 int ppl_new_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_t * *pit*) [related]

7.133.2.2 int ppl_new_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_from_-const_iterator (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_t * *px*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_t *y*) [related]

7.133.2.3 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_begin (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ps*, ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_t *psit*) [related]

7.133.2.4 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_end (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ps*, ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_t *psit*) [related]

7.133.2.5 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_equal_test (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_t *y*) [related]

7.133.2.6 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_increment (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_t *psit*) [related]

7.133.2.7 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_decrement (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_t *psit*) [related]

7.133.2.8 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_dereference (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_t *ps*, ppl_const_Octagonal_Shape_mpz_class_t * *d*) [related]

7.133.2.9 int ppl_delete_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_const_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.134 ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_from_iterator (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_t *px, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_begin (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t ps, ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_end (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t ps, ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_equal_test (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_increment (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_t psit)

- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_decrement (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_t psit)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_dereference (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_t ps, ppl_const_Octagonal_Shape_mpz_class_t *d)
- int ppl_delete_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_t psit)

7.134.1 Detailed Description

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_tag.

7.134.2 Friends And Related Function Documentation

7.134.2.1 int ppl_new_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_t * *pit*) [related]

7.134.2.2 int ppl_new_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_from_iterator (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_t * *px*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_t *y*) [related]

7.134.2.3 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_begin (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ps*, ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_t *psit*) [related]

7.134.2.4 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_end (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ps*, ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_t *psit*) [related]

7.134.2.5 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_equal_test (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_t *y*) [related]

7.134.2.6 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_increment (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_t *psit*) [related]

7.134.2.7 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_decrement (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_t *psit*) [related]

7.134.2.8 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_dereference (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_t *ps*, ppl_const_Octagonal_Shape_mpz_class_t * *d*) [related]

7.134.2.9 int ppl_delete_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.135 ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_tag Interface Reference

Types and functions for ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Pointset_Powerset_Octagonal_Shape_mpz_class (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_mpz_class_from_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_mpz_class_from_Pointset_Powerset_Octagonal_Shape_mpz_class (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *pph, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_mpz_class_from_Octagonal_Shape_mpz_class (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_mpz_class_from_Pointset_Powerset_Octagonal_Shape_mpz_class_with_complexity (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *pph, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_mpz_class_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Octagonal_Shape_mpz_class_from_Constraint_System (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *pph, ppl_const_Constraint_System_t cs)

- int ppl_new_Pointset_Powerset_Octagonal_Shape_mpz_class_from_Congruence_System (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_space_dimension (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_affine_dimension (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_relation_with_Constraint (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_relation_with_Generator (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_const_Generator_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_relation_with_Congruence (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_is_empty (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_is_universe (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_is_bounded (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_contains_integer_point (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_is_topologically_closed (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_is_discrete (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_topological_closure_assign (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_pairwise_reduce (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_omega_reduce (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_bounds_from_above (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_bounds_from_below (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_maximize (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_minimize (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_maximize_with_point (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_minimize_with_point (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_contains_Pointset_Powerset_Octagonal_Shape_mpz_class (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_strictly_contains_Pointset_Powerset_Octagonal_Shape_mpz_class (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t y)

- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_is_disjoint_from_Pointset_Powerset_Octagonal_Shape_mpz_class (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_geometrically_covers_Pointset_Powerset_Octagonal_Shape_mpz_class (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_geometrically_equals_Pointset_Powerset_Octagonal_Shape_mpz_class (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_equals_Pointset_Powerset_Octagonal_Shape_mpz_class (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_OK (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_add_constraint (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_add_congruence (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_add_constraints (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_add_congruences (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_refine_with_constraint (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_refine_with_congruence (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_refine_with_constraints (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_refine_with_congruences (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_intersection_assign (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_upper_bound_assign (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_difference_assign (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_concatenate_assign (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_time_elapse_assign (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_simplify_using_context_assign (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_constrains (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type var)

- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_unconstrain_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_unconstrain_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_bounded_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_bounded_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_generalized_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_generalized_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_add_space_dimensions_and_project (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_remove_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_remove_higher_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_expand_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_fold_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_map_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_drop_some_non_integer_points (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_external_memory_in_bytes (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_total_memory_in_bytes (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t ps, size_t *sz)

- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_size (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_add_disjunct (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t ps, ppl_const_Octagonal_Shape_mpz_class_t d)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_drop_disjunct (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t ps, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_t cit, ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_t it)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_drop_disjuncts (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t ps, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_t first, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_t last)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_BHZ03_H79_BHMZ05_widening_assign (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t y)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_BGP99_BHMZ05_extrapolation_assign (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t x, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t y, int disjuncts)
- int ppl_io_print_Pointset_Powerset_Octagonal_Shape_mpz_class (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t x)
- int ppl_io_fprint_Pointset_Powerset_Octagonal_Shape_mpz_class (FILE *stream, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t x)
- int ppl_io_asprint_Pointset_Powerset_Octagonal_Shape_mpz_class (char **strp, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t x)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_ascii_dump (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t x, FILE *stream)
- int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_ascii_load (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t x, FILE *stream)

7.135.1 Detailed Description

Types and functions for ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_tag.

7.135.2 Friends And Related Function Documentation

7.135.2.1 int ppl_delete_Pointset_Powerset_Octagonal_Shape_mpz_class (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*) [related]

7.135.2.2 int ppl_new_Pointset_Powerset_Octagonal_Shape_mpz_class_from_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.135.2.3 int ppl_new_Pointset_Powerset_Octagonal_Shape_mpz_class_from_Pointset_Powerset_Octagonal_Shape_mpz_class (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*) [related]

7.135.2.4 int ppl_new_Pointset_Powerset_Octagonal_Shape_mpz_class_from_Octagonal_-Shape_mpz_class (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.135.2.5 int ppl_new_Pointset_Powerset_Octagonal_Shape_mpz_class_from_-Pointset_Powerset_Octagonal_Shape_mpz_class_with_complexity (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.135.2.6 int ppl_new_Pointset_Powerset_Octagonal_Shape_mpz_class_from_Octagonal_Shape_-mpz_class_with_complexity (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.135.2.7 int ppl_new_Pointset_Powerset_Octagonal_Shape_mpz_class_from_Constraint_System (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.135.2.8 int ppl_new_Pointset_Powerset_Octagonal_Shape_mpz_class_from_Congruence_-System (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.135.2.9 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_space_dimension (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_dimension_type * *m*) [related]

7.135.2.10 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_affine_dimension (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_dimension_type * *m*) [related]

7.135.2.11 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_relation_with_Constraint (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Constraint_t *c*) [related]

7.135.2.12 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_relation_with_Generator (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Generator_t *c*) [related]

7.135.2.13 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_relation_with_Congruence (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Congruence_t *c*) [related]

7.135.2.14 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_is_empty (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*) [related]

7.135.2.15 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_is_universe (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*) [related]

7.135.2.16 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_is_bounded (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*) [related]

7.135.2.17 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_contains_integer_point (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*) [related]

7.135.2.18 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_is_topologically_closed (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*) [related]

7.135.2.19 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_is_discrete (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*) [related]

7.135.2.20 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_topological_closure_assign (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*) [related]

7.135.2.21 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_pairwise_reduce (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*) [related]

7.135.2.22 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_omega_reduce (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*) [related]

7.135.2.23 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_bounds_from_above (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.135.2.24 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_bounds_from_below (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.135.2.25 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_maximize (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.135.2.26 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_minimize (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.135.2.27 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_maximize_with_point (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.135.2.28 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_minimize_with_point (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.135.2.29 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_contains_Pointset_Powerset_Octagonal_Shape_mpz_class (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *y*) [related]

7.135.2.30 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_strictly_contains_Pointset_Powerset_Octagonal_Shape_mpz_class (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *y*) [related]

7.135.2.31 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_is_disjoint_from_Pointset_Powerset_Octagonal_Shape_mpz_class (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *y*) [related]

7.135.2.32 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_geometrically_covers_Pointset_Powerset_Octagonal_Shape_mpz_class (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *y*) [related]

7.135.2.33 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_geometrically_equals_Pointset_Powerset_Octagonal_Shape_mpz_class (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *y*) [related]

7.135.2.34 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_equals_Pointset_Powerset_Octagonal_Shape_mpz_class (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *y*) [related]

7.135.2.35 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_OK (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*) [related]

7.135.2.36 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_add_constraint (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Constraint_t *c*) [related]

7.135.2.37 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_add_congruence (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Congruence_t *c*) [related]

7.135.2.38 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_add_constraints (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.135.2.39 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_add_congruences (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.135.2.40 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_refine_with_constraint (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Constraint_t *c*) [related]

7.135.2.41 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_refine_with_congruence (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Congruence_t *c*) [related]

7.135.2.42 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_refine_with_constraints (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.135.2.43 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_refine_with_congruences (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.135.2.44 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_intersection_-assign (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *y*) [related]

7.135.2.45 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_upper_-bound_assign (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *y*) [related]

7.135.2.46 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_difference_-assign (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *y*) [related]

7.135.2.47 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_concatenate_-assign (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *y*) [related]

7.135.2.48 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_time_elapse_-assign (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *y*) [related]

7.135.2.49 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_upper_bound_-assign_if_exact (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *y*) [related]

7.135.2.50 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_simplify_using_-context_assign (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *y*) [related]

7.135.2.51 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_constrains (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_dimension_type *var*) [related]

7.135.2.52 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_unconstrain_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_dimension_type *var*) [related]

7.135.2.53 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_unconstrain_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.135.2.54 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.135.2.55 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.135.2.56 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_bounded_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.135.2.57 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_bounded_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.135.2.58 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_generalized_affine_image (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.135.2.59 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_generalized_affine_preimage (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.135.2.60 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.135.2.61 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.135.2.62 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_dimension_type *d*) [related]

7.135.2.63 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_add_space_dimensions_and_project (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_dimension_type *d*) [related]

7.135.2.64 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_remove_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.135.2.65 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_remove_higher_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_dimension_type *d*) [related]

7.135.2.66 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_expand_space_dimension (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.135.2.67 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_fold_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.135.2.68 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_map_space_dimensions (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.135.2.69 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_drop_some_non_integer_points (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.135.2.70 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.135.2.71 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_external_memory_in_bytes (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ps*, size_t * *sz*) [related]

7.135.2.72 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_total_memory_in_bytes (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ps*, size_t * *sz*) [related]

7.135.2.73 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_size (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ps*, size_t * *sz*) [related]

7.135.2.74 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_add_disjunct (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ps*, ppl_const_Octagonal_Shape_mpz_class_t *d*) [related]

7.135.2.75 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_drop_disjunct (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ps*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_t *cit*, ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_t *it*) [related]

7.135.2.76 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_drop_disjuncts (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *ps*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_t *first*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_iterator_t *last*) [related]

7.135.2.77 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_BHZ03_H79_BHMZ05_widening_assign (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *y*) [related]

7.135.2.78 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_BGP99_BHMZ05_extrapolation_assign (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *x*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *y*, int *disjuncts*) [related]

7.135.2.79 int ppl_io_print_Pointset_Powerset_Octagonal_Shape_mpz_class (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *x*) [related]

7.135.2.80 int ppl_io_fprint_Pointset_Powerset_Octagonal_Shape_mpz_class (FILE * *stream*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *x*) [related]

7.135.2.81 int ppl_io_asprint_Pointset_Powerset_Octagonal_Shape_mpz_class (char ** *strp*, ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *x*) [related]

7.135.2.82 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_ascii_dump (ppl_const_Pointset_Powerset_Octagonal_Shape_mpz_class_t *x*, FILE * *stream*) [related]

7.135.2.83 int ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_ascii_load (ppl_Pointset_Powerset_Octagonal_Shape_mpz_class_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.136 ppl_Pointset_Powerset_Rational_Box_const_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Rational_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Rational_Box_const_iterator (ppl_Pointset_Powerset_Rational_Box_const_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Rational_Box_const_iterator_from_const_iterator (ppl_Pointset_Powerset_Rational_Box_const_iterator_t *px, ppl_const_Pointset_Powerset_Rational_Box_const_iterator_t y)
- int ppl_Pointset_Powerset_Rational_Box_const_iterator_begin (ppl_const_Pointset_Powerset_Rational_Box_t ps, ppl_Pointset_Powerset_Rational_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Rational_Box_const_iterator_end (ppl_const_Pointset_Powerset_Rational_Box_t ps, ppl_Pointset_Powerset_Rational_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Rational_Box_const_iterator_equal_test (ppl_const_Pointset_Powerset_Rational_Box_const_iterator_t x, ppl_const_Pointset_Powerset_Rational_Box_const_iterator_t y)
- int ppl_Pointset_Powerset_Rational_Box_const_iterator_increment (ppl_Pointset_Powerset_Rational_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Rational_Box_const_iterator_decrement (ppl_Pointset_Powerset_Rational_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Rational_Box_const_iterator_dereference (ppl_const_Pointset_Powerset_Rational_Box_const_iterator_t ps, ppl_const_Rational_Box_t *d)
- int ppl_delete_Pointset_Powerset_Rational_Box_const_iterator (ppl_const_Pointset_Powerset_Rational_Box_const_iterator_t psit)

7.136.1 Detailed Description

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Rational_Box_tag.

7.136.2 Friends And Related Function Documentation

7.136.2.1 int ppl_new_Pointset_Powerset_Rational_Box_const_iterator (ppl_Pointset_Powerset_Rational_Box_const_iterator_t * *pit*) [related]

7.136.2.2 int ppl_new_Pointset_Powerset_Rational_Box_const_iterator_from_const_iterator (ppl_Pointset_Powerset_Rational_Box_const_iterator_t * *px*, ppl_const_Pointset_Powerset_Rational_Box_const_iterator_t *y*) [related]

7.136.2.3 int ppl_Pointset_Powerset_Rational_Box_const_iterator_begin (ppl_const_Pointset_Powerset_Rational_Box_t *ps*, ppl_Pointset_Powerset_Rational_Box_const_iterator_t *psit*) [related]

7.136.2.4 int ppl_Pointset_Powerset_Rational_Box_const_iterator_end (ppl_const_Pointset_Powerset_Rational_Box_t *ps*, ppl_Pointset_Powerset_Rational_Box_const_iterator_t *psit*) [related]

7.136.2.5 int ppl_Pointset_Powerset_Rational_Box_const_iterator_equal_test (ppl_const_Pointset_Powerset_Rational_Box_const_iterator_t *x*, ppl_const_Pointset_Powerset_Rational_Box_const_iterator_t *y*) [related]

7.136.2.6 int ppl_Pointset_Powerset_Rational_Box_const_iterator_increment (ppl_Pointset_Powerset_Rational_Box_const_iterator_t *psit*) [related]

7.136.2.7 int ppl_Pointset_Powerset_Rational_Box_const_iterator_decrement (ppl_Pointset_Powerset_Rational_Box_const_iterator_t *psit*) [related]

7.136.2.8 int ppl_Pointset_Powerset_Rational_Box_const_iterator_dereference (ppl_const_Pointset_Powerset_Rational_Box_const_iterator_t *ps*, ppl_const_Rational_Box_t * *d*) [related]

7.136.2.9 int ppl_delete_Pointset_Powerset_Rational_Box_const_iterator (ppl_const_Pointset_Powerset_Rational_Box_const_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.137 ppl_Pointset_Powerset_Rational_Box_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Rational_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Rational_Box_iterator (ppl_Pointset_Powerset_Rational_Box_-iterator_t *pit)
- int ppl_new_Pointset_Powerset_Rational_Box_iterator_from_iterator (ppl_Pointset_Powerset_-Rational_Box_iterator_t *px, ppl_const_Pointset_Powerset_Rational_Box_iterator_t y)
- int ppl_Pointset_Powerset_Rational_Box_iterator_begin (ppl_Pointset_Powerset_Rational_Box_-t ps, ppl_Pointset_Powerset_Rational_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Rational_Box_iterator_end (ppl_Pointset_Powerset_Rational_Box_t ps, ppl_Pointset_Powerset_Rational_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Rational_Box_iterator_equal_test (ppl_const_Pointset_Powerset_-Rational_Box_iterator_t x, ppl_const_Pointset_Powerset_Rational_Box_iterator_t y)
- int ppl_Pointset_Powerset_Rational_Box_iterator_increment (ppl_Pointset_Powerset_Rational_-Box_iterator_t psit)
- int ppl_Pointset_Powerset_Rational_Box_iterator_decrement (ppl_Pointset_Powerset_Rational_-Box_iterator_t psit)
- int ppl_Pointset_Powerset_Rational_Box_iterator_dereference (ppl_const_Pointset_Powerset_-Rational_Box_iterator_t ps, ppl_const_Rational_Box_t *d)
- int ppl_delete_Pointset_Powerset_Rational_Box_iterator (ppl_const_Pointset_Powerset_Rational_-Box_iterator_t psit)

7.137.1 Detailed Description

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Rational_Box_tag.

7.137.2 Friends And Related Function Documentation

7.137.2.1 int ppl_new_Pointset_Powerset_Rational_Box_iterator (ppl_Pointset_Powerset_-Rational_Box_iterator_t * *pit*) [related]

7.137.2.2 int ppl_new_Pointset_Powerset_Rational_Box_iterator_from_iterator (ppl_Pointset_Powerset_Rational_Box_iterator_t * *px*, ppl_const_Pointset_Powerset_Rational_Box_iterator_t *y*) [related]

7.137.2.3 int ppl_Pointset_Powerset_Rational_Box_iterator_begin (ppl_Pointset_Powerset_Rational_Box_t *ps*, ppl_Pointset_Powerset_Rational_Box_iterator_t *psit*) [related]

7.137.2.4 int ppl_Pointset_Powerset_Rational_Box_iterator_end (ppl_Pointset_Powerset_Rational_Box_t *ps*, ppl_Pointset_Powerset_Rational_Box_iterator_t *psit*) [related]

7.137.2.5 int ppl_Pointset_Powerset_Rational_Box_iterator_equal_test (ppl_const_Pointset_Powerset_Rational_Box_iterator_t *x*, ppl_const_Pointset_Powerset_Rational_Box_iterator_t *y*) [related]

7.137.2.6 int ppl_Pointset_Powerset_Rational_Box_iterator_increment (ppl_Pointset_Powerset_Rational_Box_iterator_t *psit*) [related]

7.137.2.7 int ppl_Pointset_Powerset_Rational_Box_iterator_decrement (ppl_Pointset_Powerset_Rational_Box_iterator_t *psit*) [related]

7.137.2.8 int ppl_Pointset_Powerset_Rational_Box_iterator_dereference (ppl_const_Pointset_Powerset_Rational_Box_iterator_t *ps*, ppl_const_Rational_Box_t * *d*) [related]

7.137.2.9 int ppl_delete_Pointset_Powerset_Rational_Box_iterator (ppl_const_Pointset_Powerset_Rational_Box_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.138 ppl_Pointset_Powerset_Rational_Box_tag Interface Reference

Types and functions for ppl_Pointset_Powerset_Rational_Box_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Pointset_Powerset_Rational_Box (ppl_const_Pointset_Powerset_Rational_Box_t ph)
- int ppl_new_Pointset_Powerset_Rational_Box_from_space_dimension (ppl_Pointset_Powerset_Rational_Box_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Pointset_Powerset_Rational_Box_from_Pointset_Powerset_Rational_Box (ppl_Pointset_Powerset_Rational_Box_t *pph, ppl_const_Pointset_Powerset_Rational_Box_t ph)
- int ppl_new_Pointset_Powerset_Rational_Box_from_Rational_Box (ppl_Pointset_Powerset_Rational_Box_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_Pointset_Powerset_Rational_Box_from_Pointset_Powerset_Rational_Box_with_complexity (ppl_Pointset_Powerset_Rational_Box_t *pph, ppl_const_Pointset_Powerset_Rational_Box_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Rational_Box_from_Rational_Box_with_complexity (ppl_Pointset_Powerset_Rational_Box_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Rational_Box_from_Constraint_System (ppl_Pointset_Powerset_Rational_Box_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Pointset_Powerset_Rational_Box_from_Congruence_System (ppl_Pointset_Powerset_Rational_Box_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Rational_Box_space_dimension (ppl_const_Pointset_Powerset_Rational_Box_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Rational_Box_affine_dimension (ppl_const_Pointset_Powerset_Rational_Box_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Rational_Box_relation_with_Constraint (ppl_const_Pointset_Powerset_Rational_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Rational_Box_relation_with_Generator (ppl_const_Pointset_Powerset_Rational_Box_t ph, ppl_const_Generator_t c)
- int ppl_Pointset_Powerset_Rational_Box_relation_with_Congruence (ppl_const_Pointset_Powerset_Rational_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Rational_Box_is_empty (ppl_const_Pointset_Powerset_Rational_Box_t ph)
- int ppl_Pointset_Powerset_Rational_Box_is_universe (ppl_const_Pointset_Powerset_Rational_Box_t ph)
- int ppl_Pointset_Powerset_Rational_Box_is_bounded (ppl_const_Pointset_Powerset_Rational_Box_t ph)
- int ppl_Pointset_Powerset_Rational_Box_contains_integer_point (ppl_const_Pointset_Powerset_Rational_Box_t ph)
- int ppl_Pointset_Powerset_Rational_Box_is_topologically_closed (ppl_const_Pointset_Powerset_Rational_Box_t ph)
- int ppl_Pointset_Powerset_Rational_Box_is_discrete (ppl_const_Pointset_Powerset_Rational_Box_t ph)
- int ppl_Pointset_Powerset_Rational_Box_topological_closure_assign (ppl_Pointset_Powerset_Rational_Box_t ph)

- int ppl_Pointset_Powerset_Rational_Box_pairwise_reduce (ppl_Pointset_Powerset_Rational_Box_t ph)
- int ppl_Pointset_Powerset_Rational_Box_omega_reduce (ppl_Pointset_Powerset_Rational_Box_t ph)
- int ppl_Pointset_Powerset_Rational_Box_bounds_from_above (ppl_const_Pointset_Powerset_Rational_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Rational_Box_bounds_from_below (ppl_const_Pointset_Powerset_Rational_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Rational_Box_maximize (ppl_const_Pointset_Powerset_Rational_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Rational_Box_minimize (ppl_const_Pointset_Powerset_Rational_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Rational_Box_maximize_with_point (ppl_const_Pointset_Powerset_Rational_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Rational_Box_minimize_with_point (ppl_const_Pointset_Powerset_Rational_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Rational_Box_contains_Pointset_Powerset_Rational_Box (ppl_const_Pointset_Powerset_Rational_Box_t x, ppl_const_Pointset_Powerset_Rational_Box_t y)
- int ppl_Pointset_Powerset_Rational_Box_strictly_contains_Pointset_Powerset_Rational_Box (ppl_const_Pointset_Powerset_Rational_Box_t x, ppl_const_Pointset_Powerset_Rational_Box_t y)
- int ppl_Pointset_Powerset_Rational_Box_is_disjoint_from_Pointset_Powerset_Rational_Box (ppl_const_Pointset_Powerset_Rational_Box_t x, ppl_const_Pointset_Powerset_Rational_Box_t y)
- int ppl_Pointset_Powerset_Rational_Box_geometrically_covers_Pointset_Powerset_Rational_Box (ppl_const_Pointset_Powerset_Rational_Box_t x, ppl_const_Pointset_Powerset_Rational_Box_t y)
- int ppl_Pointset_Powerset_Rational_Box_geometrically_equals_Pointset_Powerset_Rational_Box (ppl_const_Pointset_Powerset_Rational_Box_t x, ppl_const_Pointset_Powerset_Rational_Box_t y)
- int ppl_Pointset_Powerset_Rational_Box_equals_Pointset_Powerset_Rational_Box (ppl_const_Pointset_Powerset_Rational_Box_t x, ppl_const_Pointset_Powerset_Rational_Box_t y)
- int ppl_Pointset_Powerset_Rational_Box_OK (ppl_const_Pointset_Powerset_Rational_Box_t ph)
- int ppl_Pointset_Powerset_Rational_Box_add_constraint (ppl_Pointset_Powerset_Rational_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Rational_Box_add_congruence (ppl_Pointset_Powerset_Rational_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Rational_Box_add_constraints (ppl_Pointset_Powerset_Rational_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Rational_Box_add_congruences (ppl_Pointset_Powerset_Rational_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Rational_Box_refine_with_constraint (ppl_Pointset_Powerset_Rational_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Rational_Box_refine_with_congruence (ppl_Pointset_Powerset_Rational_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Rational_Box_refine_with_constraints (ppl_Pointset_Powerset_Rational_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Rational_Box_refine_with_congruences (ppl_Pointset_Powerset_Rational_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Rational_Box_intersection_assign (ppl_Pointset_Powerset_Rational_Box_t x, ppl_const_Pointset_Powerset_Rational_Box_t y)

- int ppl_Pointset_Powerset_Rational_Box_upper_bound_assign (ppl_Pointset_Powerset_Rational_Box_t x, ppl_const_Pointset_Powerset_Rational_Box_t y)
- int ppl_Pointset_Powerset_Rational_Box_difference_assign (ppl_Pointset_Powerset_Rational_Box_t x, ppl_const_Pointset_Powerset_Rational_Box_t y)
- int ppl_Pointset_Powerset_Rational_Box_concatenate_assign (ppl_Pointset_Powerset_Rational_Box_t x, ppl_const_Pointset_Powerset_Rational_Box_t y)
- int ppl_Pointset_Powerset_Rational_Box_time_elapse_assign (ppl_Pointset_Powerset_Rational_Box_t x, ppl_const_Pointset_Powerset_Rational_Box_t y)
- int ppl_Pointset_Powerset_Rational_Box_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Rational_Box_t x, ppl_const_Pointset_Powerset_Rational_Box_t y)
- int ppl_Pointset_Powerset_Rational_Box_simplify_using_context_assign (ppl_Pointset_Powerset_Rational_Box_t x, ppl_const_Pointset_Powerset_Rational_Box_t y)
- int ppl_Pointset_Powerset_Rational_Box_constrains (ppl_Pointset_Powerset_Rational_Box_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Rational_Box_unconstrain_space_dimension (ppl_Pointset_Powerset_Rational_Box_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Rational_Box_unconstrain_space_dimensions (ppl_Pointset_Powerset_Rational_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Rational_Box_affine_image (ppl_Pointset_Powerset_Rational_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Rational_Box_affine_preimage (ppl_Pointset_Powerset_Rational_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Rational_Box_bounded_affine_image (ppl_Pointset_Powerset_Rational_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Rational_Box_bounded_affine_preimage (ppl_Pointset_Powerset_Rational_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Rational_Box_generalized_affine_image (ppl_Pointset_Powerset_Rational_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Rational_Box_generalized_affine_preimage (ppl_Pointset_Powerset_Rational_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Rational_Box_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Rational_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Rational_Box_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Rational_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Rational_Box_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Rational_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Rational_Box_add_space_dimensions_and_project (ppl_Pointset_Powerset_Rational_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Rational_Box_remove_space_dimensions (ppl_Pointset_Powerset_Rational_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Rational_Box_remove_higher_space_dimensions (ppl_Pointset_Powerset_Rational_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Rational_Box_expand_space_dimension (ppl_Pointset_Powerset_Rational_Box_t ph, ppl_dimension_type d, ppl_dimension_type m)

- int ppl_Pointset_Powerset_Rational_Box_fold_space_dimensions (ppl_Pointset_Powerset_-Rational_Box_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Rational_Box_map_space_dimensions (ppl_Pointset_Powerset_-Rational_Box_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Pointset_Powerset_Rational_Box_drop_some_non_integer_points (ppl_Pointset_-Powerset_Rational_Box_t ph, int complexity)
- int ppl_Pointset_Powerset_Rational_Box_drop_some_non_integer_points_2 (ppl_Pointset_-Powerset_Rational_Box_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Pointset_Powerset_Rational_Box_external_memory_in_bytes (ppl_const_Pointset_-Powerset_Rational_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Rational_Box_total_memory_in_bytes (ppl_const_Pointset_Powerset_-Rational_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Rational_Box_size (ppl_const_Pointset_Powerset_Rational_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Rational_Box_add_disjunct (ppl_Pointset_Powerset_Rational_Box_t ps, ppl_const_Rational_Box_t d)
- int ppl_Pointset_Powerset_Rational_Box_drop_disjunct (ppl_Pointset_Powerset_Rational_Box_-t ps, ppl_const_Pointset_Powerset_Rational_Box_iterator_t cit, ppl_Pointset_Powerset_Rational_-Box_iterator_t it)
- int ppl_Pointset_Powerset_Rational_Box_drop_disjuncts (ppl_Pointset_Powerset_Rational_Box_-t ps, ppl_const_Pointset_Powerset_Rational_Box_iterator_t first, ppl_const_Pointset_Powerset_-Rational_Box_iterator_t last)
- int ppl_io_print_Pointset_Powerset_Rational_Box (ppl_const_Pointset_Powerset_Rational_Box_-t x)
- int ppl_io_fprint_Pointset_Powerset_Rational_Box (FILE *stream, ppl_const_Pointset_Powerset_-Rational_Box_t x)
- int ppl_io_asprint_Pointset_Powerset_Rational_Box (char **strp, ppl_const_Pointset_Powerset_-Rational_Box_t x)
- int ppl_Pointset_Powerset_Rational_Box_ascii_dump (ppl_const_Pointset_Powerset_Rational_-Box_t x, FILE *stream)
- int ppl_Pointset_Powerset_Rational_Box_ascii_load (ppl_Pointset_Powerset_Rational_Box_t x, FILE *stream)

7.138.1 Detailed Description

Types and functions for ppl_Pointset_Powerset_Rational_Box_tag.

7.138.2 Friends And Related Function Documentation

7.138.2.1 int ppl_delete_Pointset_Powerset_Rational_Box (ppl_const_Pointset_Powerset_-Rational_Box_t *ph*) [related]

7.138.2.2 int ppl_new_Pointset_Powerset_Rational_Box_from_space_dimension (ppl_Pointset_Powerset_Rational_Box_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.138.2.3 int ppl_new_Pointset_Powerset_Rational_Box_from_Pointset_Powerset_Rational_Box (ppl_Pointset_Powerset_Rational_Box_t * *pph*, ppl_const_Pointset_Powerset_Rational_Box_t *ph*) [related]

7.138.2.4 int ppl_new_Pointset_Powerset_Rational_Box_from_Rational_Box (ppl_Pointset_Powerset_Rational_Box_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.138.2.5 int ppl_new_Pointset_Powerset_Rational_Box_from_Pointset_Powerset_Rational_Box_with_complexity (ppl_Pointset_Powerset_Rational_Box_t * *pph*, ppl_const_Pointset_Powerset_Rational_Box_t *ph*, int *complexity*) [related]

7.138.2.6 int ppl_new_Pointset_Powerset_Rational_Box_from_Rational_Box_with_complexity (ppl_Pointset_Powerset_Rational_Box_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.138.2.7 int ppl_new_Pointset_Powerset_Rational_Box_from_Constraint_System (ppl_Pointset_Powerset_Rational_Box_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.138.2.8 int ppl_new_Pointset_Powerset_Rational_Box_from_Congruence_System (ppl_Pointset_Powerset_Rational_Box_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.138.2.9 int ppl_Pointset_Powerset_Rational_Box_space_dimension (ppl_const_Pointset_Powerset_Rational_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.138.2.10 int ppl_Pointset_Powerset_Rational_Box_affine_dimension (ppl_const_Pointset_Powerset_Rational_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.138.2.11 int ppl_Pointset_Powerset_Rational_Box_relation_with_Constraint (ppl_const_Pointset_Powerset_Rational_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.138.2.12 int ppl_Pointset_Powerset_Rational_Box_relation_with_Generator (ppl_const_Pointset_Powerset_Rational_Box_t *ph*, ppl_const_Generator_t *c*) [related]

7.138.2.13 int ppl_Pointset_Powerset_Rational_Box_relation_with_Congruence (ppl_const_Pointset_Powerset_Rational_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.138.2.14 int ppl_Pointset_Powerset_Rational_Box_is_empty (ppl_const_Pointset_Powerset_Rational_Box_t *ph*) [related]

7.138.2.15 int ppl_Pointset_Powerset_Rational_Box_is_universe (ppl_const_Pointset_Powerset_Rational_Box_t *ph*) [related]

7.138.2.16 int ppl_Pointset_Powerset_Rational_Box_is_bounded (ppl_const_Pointset_Powerset_Rational_Box_t *ph*) [related]

7.138.2.17 int ppl_Pointset_Powerset_Rational_Box_contains_integer_point (ppl_const_Pointset_Powerset_Rational_Box_t *ph*) [related]

7.138.2.18 int ppl_Pointset_Powerset_Rational_Box_is_topologically_closed (ppl_const_Pointset_Powerset_Rational_Box_t *ph*) [related]

7.138.2.19 int ppl_Pointset_Powerset_Rational_Box_is_discrete (ppl_const_Pointset_Powerset_Rational_Box_t *ph*) [related]

7.138.2.20 int ppl_Pointset_Powerset_Rational_Box_topological_closure_assign (ppl_Pointset_Powerset_Rational_Box_t *ph*) [related]

7.138.2.21 int ppl_Pointset_Powerset_Rational_Box_pairwise_reduce (ppl_Pointset_Powerset_Rational_Box_t *ph*) [related]

7.138.2.22 int ppl_Pointset_Powerset_Rational_Box_omega_reduce (ppl_Pointset_Powerset_Rational_Box_t *ph*) [related]

7.138.2.23 int ppl_Pointset_Powerset_Rational_Box_bounds_from_above (ppl_const_Pointset_Powerset_Rational_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.138.2.24 int ppl_Pointset_Powerset_Rational_Box_bounds_from_below (ppl_const_Pointset_Powerset_Rational_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.138.2.25 int ppl_Pointset_Powerset_Rational_Box_maximize (ppl_const_Pointset_Powerset_Rational_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.138.2.26 int ppl_Pointset_Powerset_Rational_Box_minimize (ppl_const_Pointset_Powerset_Rational_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.138.2.27 int ppl_Pointset_Powerset_Rational_Box_maximize_with_point (ppl_const_Pointset_Powerset_Rational_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.138.2.28 int ppl_Pointset_Powerset_Rational_Box_minimize_with_point (ppl_const_Pointset_Powerset_Rational_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.138.2.29 int ppl_Pointset_Powerset_Rational_Box_contains_Pointset_Powerset_Rational_Box (ppl_const_Pointset_Powerset_Rational_Box_t *x*, ppl_const_Pointset_Powerset_Rational_Box_t *y*) [related]

7.138.2.30 int ppl_Pointset_Powerset_Rational_Box_strictly_contains_Pointset_Powerset_Rational_Box (ppl_const_Pointset_Powerset_Rational_Box_t *x*, ppl_const_Pointset_Powerset_Rational_Box_t *y*) [related]

7.138.2.31 int ppl_Pointset_Powerset_Rational_Box_is_disjoint_from_Pointset_Powerset_Rational_Box (ppl_const_Pointset_Powerset_Rational_Box_t *x*, ppl_const_Pointset_Powerset_Rational_Box_t *y*) [related]

7.138.2.32 int ppl_Pointset_Powerset_Rational_Box_geometrically_covers_Pointset_Powerset_Rational_Box (ppl_const_Pointset_Powerset_Rational_Box_t *x*, ppl_const_Pointset_Powerset_Rational_Box_t *y*) [related]

7.138.2.33 int ppl_Pointset_Powerset_Rational_Box_geometrically_equals_Pointset_Powerset_Rational_Box (ppl_const_Pointset_Powerset_Rational_Box_t *x*, ppl_const_Pointset_Powerset_Rational_Box_t *y*) [related]

7.138.2.34 int ppl_Pointset_Powerset_Rational_Box_equals_Pointset_Powerset_Rational_Box (ppl_const_Pointset_Powerset_Rational_Box_t *x*, ppl_const_Pointset_Powerset_Rational_Box_t *y*) [related]

7.138.2.35 int ppl_Pointset_Powerset_Rational_Box_OK (ppl_const_Pointset_Powerset_Rational_Box_t *ph*) [related]

7.138.2.36 int ppl_Pointset_Powerset_Rational_Box_add_constraint (ppl_-Pointset_Powerset_Rational_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.138.2.37 int ppl_Pointset_Powerset_Rational_Box_add_congruence (ppl_-Pointset_Powerset_Rational_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.138.2.38 int ppl_Pointset_Powerset_Rational_Box_add_constraints (ppl_Pointset_-Powerset_Rational_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.138.2.39 int ppl_Pointset_Powerset_Rational_Box_add_congruences (ppl_Pointset_-Powerset_Rational_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.138.2.40 int ppl_Pointset_Powerset_Rational_Box_refine_with_constraint (ppl_Pointset_Powerset_Rational_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.138.2.41 int ppl_Pointset_Powerset_Rational_Box_refine_with_congruence (ppl_Pointset_Powerset_Rational_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.138.2.42 int ppl_Pointset_Powerset_Rational_Box_refine_with_constraints (ppl_Pointset_Powerset_Rational_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.138.2.43 int ppl_Pointset_Powerset_Rational_Box_refine_with_congruences (ppl_Pointset_Powerset_Rational_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.138.2.44 int ppl_Pointset_Powerset_Rational_Box_intersection_assign (ppl_Pointset_-Powerset_Rational_Box_t *x*, ppl_const_Pointset_Powerset_Rational_Box_t *y*) [related]

7.138.2.45 int ppl_Pointset_Powerset_Rational_Box_upper_bound_assign (ppl_Pointset_-Powerset_Rational_Box_t *x*, ppl_const_Pointset_Powerset_Rational_Box_t *y*) [related]

7.138.2.46 int ppl_Pointset_Powerset_Rational_Box_difference_assign (ppl_Pointset_-Powerset_Rational_Box_t *x*, ppl_const_Pointset_Powerset_Rational_Box_t *y*) [related]

7.138.2.47 int ppl_Pointset_Powerset_Rational_Box_concatenate_assign (ppl_Pointset_-Powerset_Rational_Box_t *x*, ppl_const_Pointset_Powerset_Rational_Box_t *y*) [related]

7.138.2.48 int ppl_Pointset_Powerset_Rational_Box_time_elapse_assign (ppl_Pointset_-Powerset_Rational_Box_t *x*, ppl_const_Pointset_Powerset_Rational_Box_t *y*) [related]

7.138.2.49 int ppl_Pointset_Powerset_Rational_Box_upper_bound_assign_if_exact (ppl_-Pointset_Powerset_Rational_Box_t *x*, ppl_const_Pointset_Powerset_Rational_Box_t *y*) [related]

7.138.2.50 int ppl_Pointset_Powerset_Rational_Box_simplify_using_context_assign (ppl_-Pointset_Powerset_Rational_Box_t *x*, ppl_const_Pointset_Powerset_Rational_Box_t *y*) [related]

7.138.2.51 int ppl_Pointset_Powerset_Rational_Box_constrains (ppl_Pointset_Powerset_-Rational_Box_t *ph*, ppl_dimension_type *var*) [related]

7.138.2.52 int ppl_Pointset_Powerset_Rational_Box_unconstrain_space_dimension (ppl_Pointset_Powerset_Rational_Box_t *ph*, ppl_dimension_type *var*) [related]

7.138.2.53 int ppl_Pointset_Powerset_Rational_Box_unconstrain_space_dimensions (ppl_Pointset_Powerset_Rational_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.138.2.54 int ppl_Pointset_Powerset_Rational_Box_affine_image (ppl_Pointset_Powerset_-Rational_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.138.2.55 int ppl_Pointset_Powerset_Rational_Box_affine_preimage (ppl_Pointset_Powerset_-Rational_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.138.2.56 int ppl_Pointset_Powerset_Rational_Box_bounded_affine_image (ppl_Pointset_Powerset_Rational_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.138.2.57 int ppl_Pointset_Powerset_Rational_Box_bounded_affine_preimage (ppl_Pointset_Powerset_Rational_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.138.2.58 int ppl_Pointset_Powerset_Rational_Box_generalized_affine_image (ppl_Pointset_Powerset_Rational_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.138.2.59 int ppl_Pointset_Powerset_Rational_Box_generalized_affine_preimage (ppl_Pointset_Powerset_Rational_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.138.2.60 int ppl_Pointset_Powerset_Rational_Box_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Rational_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.138.2.61 int ppl_Pointset_Powerset_Rational_Box_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Rational_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.138.2.62 int ppl_Pointset_Powerset_Rational_Box_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Rational_Box_t *ph*, ppl_dimension_type *d*) [related]

7.138.2.63 int ppl_Pointset_Powerset_Rational_Box_add_space_dimensions_and_project (ppl_Pointset_Powerset_Rational_Box_t *ph*, ppl_dimension_type *d*) [related]

7.138.2.64 int ppl_Pointset_Powerset_Rational_Box_remove_space_dimensions (ppl_Pointset_Powerset_Rational_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.138.2.65 int ppl_Pointset_Powerset_Rational_Box_remove_higher_space_dimensions (ppl_Pointset_Powerset_Rational_Box_t *ph*, ppl_dimension_type *d*) [related]

7.138.2.66 int ppl_Pointset_Powerset_Rational_Box_expand_space_dimension (ppl_Pointset_Powerset_Rational_Box_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.138.2.67 int ppl_Pointset_Powerset_Rational_Box_fold_space_dimensions (ppl_Pointset_Powerset_Rational_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.138.2.68 int ppl_Pointset_Powerset_Rational_Box_map_space_dimensions (ppl_Pointset_Powerset_Rational_Box_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.138.2.69 int ppl_Pointset_Powerset_Rational_Box_drop_some_non_integer_points (ppl_Pointset_Powerset_Rational_Box_t *ph*, int *complexity*) [related]

7.138.2.70 int ppl_Pointset_Powerset_Rational_Box_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Rational_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.138.2.71 int ppl_Pointset_Powerset_Rational_Box_external_memory_in_bytes (ppl_const_Pointset_Powerset_Rational_Box_t *ps*, size_t * *sz*) [related]

7.138.2.72 int ppl_Pointset_Powerset_Rational_Box_total_memory_in_bytes (ppl_const_Pointset_Powerset_Rational_Box_t *ps*, size_t * *sz*) [related]

7.138.2.73 int ppl_Pointset_Powerset_Rational_Box_size (ppl_const_Pointset_Powerset_Rational_Box_t *ps*, size_t * *sz*) [related]

7.138.2.74 int ppl_Pointset_Powerset_Rational_Box_add_disjunct (ppl_Pointset_Powerset_Rational_Box_t *ps*, ppl_const_Rational_Box_t *d*) [related]

7.138.2.75 int ppl_Pointset_Powerset_Rational_Box_drop_disjunct (ppl_Pointset_Powerset_-Rational_Box_t *ps*, ppl_const_Pointset_Powerset_Rational_Box_iterator_t *cit*, ppl_Pointset_Powerset_Rational_Box_iterator_t *it*) [related]

7.138.2.76 int ppl_Pointset_Powerset_Rational_Box_drop_disjuncts (ppl_Pointset_Powerset_-Rational_Box_t *ps*, ppl_const_Pointset_Powerset_Rational_Box_iterator_t *first*, ppl_const_Pointset_Powerset_Rational_Box_iterator_t *last*) [related]

7.138.2.77 int ppl_io_print_Pointset_Powerset_Rational_Box (ppl_const_Pointset_Powerset_-Rational_Box_t *x*) [related]

7.138.2.78 int ppl_io_fprint_Pointset_Powerset_Rational_Box (FILE * *stream*, ppl_const_Pointset_Powerset_Rational_Box_t *x*) [related]

7.138.2.79 int ppl_io_asprint_Pointset_Powerset_Rational_Box (char ** *strp*, ppl_const_Pointset_Powerset_Rational_Box_t *x*) [related]

7.138.2.80 int ppl_Pointset_Powerset_Rational_Box_ascii_dump (ppl_const_Pointset_Powerset_-Rational_Box_t *x*, FILE * *stream*) [related]

7.138.2.81 int ppl_Pointset_Powerset_Rational_Box_ascii_load (ppl_Pointset_Powerset_-Rational_Box_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.139 ppl_Pointset_Powerset_Uint16_Box_const_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Uint16_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Uint16_Box_const_iterator (ppl_Pointset_Powerset_Uint16_Box_const_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Uint16_Box_const_iterator_from_const_iterator (ppl_Pointset_Powerset_Uint16_Box_const_iterator_t *px, ppl_const_Pointset_Powerset_Uint16_Box_const_iterator_t y)
- int ppl_Pointset_Powerset_Uint16_Box_const_iterator_begin (ppl_const_Pointset_Powerset_Uint16_Box_t ps, ppl_Pointset_Powerset_Uint16_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Uint16_Box_const_iterator_end (ppl_const_Pointset_Powerset_Uint16_Box_t ps, ppl_Pointset_Powerset_Uint16_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Uint16_Box_const_iterator_equal_test (ppl_const_Pointset_Powerset_Uint16_Box_const_iterator_t x, ppl_const_Pointset_Powerset_Uint16_Box_const_iterator_t y)
- int ppl_Pointset_Powerset_Uint16_Box_const_iterator_increment (ppl_Pointset_Powerset_Uint16_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Uint16_Box_const_iterator_decrement (ppl_Pointset_Powerset_Uint16_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Uint16_Box_const_iterator_dereference (ppl_const_Pointset_Powerset_Uint16_Box_const_iterator_t ps, ppl_const_Uint16_Box_t *d)
- int ppl_delete_Pointset_Powerset_Uint16_Box_const_iterator (ppl_const_Pointset_Powerset_Uint16_Box_const_iterator_t psit)

7.139.1 Detailed Description

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Uint16_Box_tag.

7.139.2 Friends And Related Function Documentation

7.139.2.1 int ppl_new_Pointset_Powerset_Uint16_Box_const_iterator (ppl_Pointset_Powerset_Uint16_Box_const_iterator_t * *pit*) [related]

7.139.2.2 int ppl_new_Pointset_Powerset_Uint16_Box_const_iterator_from_const_iterator (ppl_Pointset_Powerset_Uint16_Box_const_iterator_t * *px*, ppl_const_Pointset_Powerset_Uint16_Box_const_iterator_t *y*) [related]

7.139.2.3 int ppl_Pointset_Powerset_Uint16_Box_const_iterator_begin (ppl_const_Pointset_Powerset_Uint16_Box_t *ps*, ppl_Pointset_Powerset_Uint16_Box_const_iterator_t *psit*) [related]

7.139.2.4 int ppl_Pointset_Powerset_Uint16_Box_const_iterator_end (ppl_const_Pointset_Powerset_Uint16_Box_t *ps*, ppl_Pointset_Powerset_Uint16_Box_const_iterator_t *psit*) [related]

7.139.2.5 int ppl_Pointset_Powerset_Uint16_Box_const_iterator_equal_test (ppl_const_Pointset_Powerset_Uint16_Box_const_iterator_t *x*, ppl_const_Pointset_Powerset_Uint16_Box_const_iterator_t *y*) [related]

7.139.2.6 int ppl_Pointset_Powerset_Uint16_Box_const_iterator_increment (ppl_Pointset_Powerset_Uint16_Box_const_iterator_t *psit*) [related]

7.139.2.7 int ppl_Pointset_Powerset_Uint16_Box_const_iterator_decrement (ppl_Pointset_Powerset_Uint16_Box_const_iterator_t *psit*) [related]

7.139.2.8 int ppl_Pointset_Powerset_Uint16_Box_const_iterator_dereference (ppl_const_Pointset_Powerset_Uint16_Box_const_iterator_t *ps*, ppl_const_Uint16_Box_t * *d*) [related]

7.139.2.9 int ppl_delete_Pointset_Powerset_Uint16_Box_const_iterator (ppl_const_Pointset_Powerset_Uint16_Box_const_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.140 ppl_Pointset_Powerset_Uint16_Box_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Uint16_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Uint16_Box_iterator (ppl_Pointset_Powerset_Uint16_Box_iterator_t *pit)

- int ppl_new_Pointset_Powerset_Uint16_Box_iterator_from_iterator (ppl_Pointset_Powerset_Uint16_Box_iterator_t *px, ppl_const_Pointset_Powerset_Uint16_Box_iterator_t y)
- int ppl_Pointset_Powerset_Uint16_Box_iterator_begin (ppl_Pointset_Powerset_Uint16_Box_t ps, ppl_Pointset_Powerset_Uint16_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Uint16_Box_iterator_end (ppl_Pointset_Powerset_Uint16_Box_t ps, ppl_Pointset_Powerset_Uint16_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Uint16_Box_iterator_equal_test (ppl_const_Pointset_Powerset_Uint16_Box_iterator_t x, ppl_const_Pointset_Powerset_Uint16_Box_iterator_t y)
- int ppl_Pointset_Powerset_Uint16_Box_iterator_increment (ppl_Pointset_Powerset_Uint16_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Uint16_Box_iterator_decrement (ppl_Pointset_Powerset_Uint16_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Uint16_Box_iterator_dereference (ppl_const_Pointset_Powerset_Uint16_Box_iterator_t ps, ppl_const_Uint16_Box_t *d)
- int ppl_delete_Pointset_Powerset_Uint16_Box_iterator (ppl_const_Pointset_Powerset_Uint16_Box_iterator_t psit)

7.140.1 Detailed Description

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Uint16_Box_tag.

7.140.2 Friends And Related Function Documentation

7.140.2.1 int ppl_new_Pointset_Powerset_Uint16_Box_iterator (ppl_Pointset_Powerset_Uint16_Box_iterator_t * *pit*) [related]

7.140.2.2 int ppl_new_Pointset_Powerset_Uint16_Box_iterator_from_iterator (ppl_Pointset_Powerset_Uint16_Box_iterator_t * *px*, ppl_const_Pointset_Powerset_Uint16_Box_iterator_t *y*) [related]

7.140.2.3 int ppl_Pointset_Powerset_Uint16_Box_iterator_begin (ppl_Pointset_Powerset_Uint16_Box_t *ps*, ppl_Pointset_Powerset_Uint16_Box_iterator_t *psit*) [related]

7.140.2.4 int ppl_Pointset_Powerset_Uint16_Box_iterator_end (ppl_Pointset_Powerset_Uint16_Box_t *ps*, ppl_Pointset_Powerset_Uint16_Box_iterator_t *psit*) [related]

7.140.2.5 int ppl_Pointset_Powerset_Uint16_Box_iterator_equal_test (ppl_const_Pointset_Powerset_Uint16_Box_iterator_t *x*, ppl_const_Pointset_Powerset_Uint16_Box_iterator_t *y*) [related]

7.140.2.6 int ppl_Pointset_Powerset_Uint16_Box_iterator_increment (ppl_Pointset_Powerset_Uint16_Box_iterator_t *psit*) [related]

7.140.2.7 int ppl_Pointset_Powerset_Uint16_Box_iterator_decrement (ppl_Pointset_Powerset_Uint16_Box_iterator_t *psit*) [related]

7.140.2.8 int ppl_Pointset_Powerset_Uint16_Box_iterator_dereference (ppl_const_Pointset_Powerset_Uint16_Box_iterator_t *ps*, ppl_const_Uint16_Box_t * *d*) [related]

7.140.2.9 int ppl_delete_Pointset_Powerset_Uint16_Box_iterator (ppl_const_Pointset_Powerset_Uint16_Box_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.141 ppl_Pointset_Powerset_Uint16_Box_tag Interface Reference

Types and functions for ppl_Pointset_Powerset_Uint16_Box_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Pointset_Powerset_Uint16_Box (ppl_const_Pointset_Powerset_Uint16_Box_t ph)
- int ppl_new_Pointset_Powerset_Uint16_Box_from_space_dimension (ppl_Pointset_Powerset_Uint16_Box_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Pointset_Powerset_Uint16_Box_from_Pointset_Powerset_Uint16_Box (ppl_Pointset_Powerset_Uint16_Box_t *pph, ppl_const_Pointset_Powerset_Uint16_Box_t ph)
- int ppl_new_Pointset_Powerset_Uint16_Box_from_Uint16_Box (ppl_Pointset_Powerset_Uint16_Box_t *pph, ppl_const_Uint16_Box_t ph)

- int ppl_new_Pointset_Powerset_Uint16_Box_from_Pointset_Powerset_Uint16_Box_with_complexity (ppl_Pointset_Powerset_Uint16_Box_t *pph, ppl_const_Pointset_Powerset_Uint16_Box_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Uint16_Box_from_Uint16_Box_with_complexity (ppl_Pointset_Powerset_Uint16_Box_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Uint16_Box_from_Constraint_System (ppl_Pointset_Powerset_Uint16_Box_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Pointset_Powerset_Uint16_Box_from_Congruence_System (ppl_Pointset_Powerset_Uint16_Box_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Uint16_Box_space_dimension (ppl_const_Pointset_Powerset_Uint16_Box_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Uint16_Box_affine_dimension (ppl_const_Pointset_Powerset_Uint16_Box_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Uint16_Box_relation_with_Constraint (ppl_const_Pointset_Powerset_Uint16_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Uint16_Box_relation_with_Generator (ppl_const_Pointset_Powerset_Uint16_Box_t ph, ppl_const_Generator_t c)
- int ppl_Pointset_Powerset_Uint16_Box_relation_with_Congruence (ppl_const_Pointset_Powerset_Uint16_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Uint16_Box_is_empty (ppl_const_Pointset_Powerset_Uint16_Box_t ph)
- int ppl_Pointset_Powerset_Uint16_Box_is_universe (ppl_const_Pointset_Powerset_Uint16_Box_t ph)
- int ppl_Pointset_Powerset_Uint16_Box_is_bounded (ppl_const_Pointset_Powerset_Uint16_Box_t ph)
- int ppl_Pointset_Powerset_Uint16_Box_contains_integer_point (ppl_const_Pointset_Powerset_Uint16_Box_t ph)
- int ppl_Pointset_Powerset_Uint16_Box_is_topologically_closed (ppl_const_Pointset_Powerset_Uint16_Box_t ph)
- int ppl_Pointset_Powerset_Uint16_Box_is_discrete (ppl_const_Pointset_Powerset_Uint16_Box_t ph)
- int ppl_Pointset_Powerset_Uint16_Box_topological_closure_assign (ppl_Pointset_Powerset_Uint16_Box_t ph)
- int ppl_Pointset_Powerset_Uint16_Box_pairwise_reduce (ppl_Pointset_Powerset_Uint16_Box_t ph)
- int ppl_Pointset_Powerset_Uint16_Box_omega_reduce (ppl_Pointset_Powerset_Uint16_Box_t ph)
- int ppl_Pointset_Powerset_Uint16_Box_bounds_from_above (ppl_const_Pointset_Powerset_Uint16_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Uint16_Box_bounds_from_below (ppl_const_Pointset_Powerset_Uint16_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Uint16_Box_maximize (ppl_const_Pointset_Powerset_Uint16_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Uint16_Box_minimize (ppl_const_Pointset_Powerset_Uint16_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Uint16_Box_maximize_with_point (ppl_const_Pointset_Powerset_Uint16_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Uint16_Box_minimize_with_point (ppl_const_Pointset_Powerset_Uint16_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)

- int ppl_Pointset_Powerset_Uint16_Box_contains_Pointset_Powerset_Uint16_Box (ppl_const_Pointset_Powerset_Uint16_Box_t x, ppl_const_Pointset_Powerset_Uint16_Box_t y)
- int ppl_Pointset_Powerset_Uint16_Box_strictly_contains_Pointset_Powerset_Uint16_Box (ppl_const_Pointset_Powerset_Uint16_Box_t x, ppl_const_Pointset_Powerset_Uint16_Box_t y)
- int ppl_Pointset_Powerset_Uint16_Box_is_disjoint_from_Pointset_Powerset_Uint16_Box (ppl_const_Pointset_Powerset_Uint16_Box_t x, ppl_const_Pointset_Powerset_Uint16_Box_t y)
- int ppl_Pointset_Powerset_Uint16_Box_geometrically_covers_Pointset_Powerset_Uint16_Box (ppl_const_Pointset_Powerset_Uint16_Box_t x, ppl_const_Pointset_Powerset_Uint16_Box_t y)
- int ppl_Pointset_Powerset_Uint16_Box_geometrically_equals_Pointset_Powerset_Uint16_Box (ppl_const_Pointset_Powerset_Uint16_Box_t x, ppl_const_Pointset_Powerset_Uint16_Box_t y)
- int ppl_Pointset_Powerset_Uint16_Box_equals_Pointset_Powerset_Uint16_Box (ppl_const_Pointset_Powerset_Uint16_Box_t x, ppl_const_Pointset_Powerset_Uint16_Box_t y)
- int ppl_Pointset_Powerset_Uint16_Box_OK (ppl_const_Pointset_Powerset_Uint16_Box_t ph)
- int ppl_Pointset_Powerset_Uint16_Box_add_constraint (ppl_Pointset_Powerset_Uint16_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Uint16_Box_add_congruence (ppl_Pointset_Powerset_Uint16_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Uint16_Box_add_constraints (ppl_Pointset_Powerset_Uint16_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Uint16_Box_add_congruences (ppl_Pointset_Powerset_Uint16_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Uint16_Box_refine_with_constraint (ppl_Pointset_Powerset_Uint16_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Uint16_Box_refine_with_congruence (ppl_Pointset_Powerset_Uint16_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Uint16_Box_refine_with_constraints (ppl_Pointset_Powerset_Uint16_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Uint16_Box_refine_with_congruences (ppl_Pointset_Powerset_Uint16_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Uint16_Box_intersection_assign (ppl_Pointset_Powerset_Uint16_Box_t x, ppl_const_Pointset_Powerset_Uint16_Box_t y)
- int ppl_Pointset_Powerset_Uint16_Box_upper_bound_assign (ppl_Pointset_Powerset_Uint16_Box_t x, ppl_const_Pointset_Powerset_Uint16_Box_t y)
- int ppl_Pointset_Powerset_Uint16_Box_difference_assign (ppl_Pointset_Powerset_Uint16_Box_t x, ppl_const_Pointset_Powerset_Uint16_Box_t y)
- int ppl_Pointset_Powerset_Uint16_Box_concatenate_assign (ppl_Pointset_Powerset_Uint16_Box_t x, ppl_const_Pointset_Powerset_Uint16_Box_t y)
- int ppl_Pointset_Powerset_Uint16_Box_time_elapse_assign (ppl_Pointset_Powerset_Uint16_Box_t x, ppl_const_Pointset_Powerset_Uint16_Box_t y)
- int ppl_Pointset_Powerset_Uint16_Box_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Uint16_Box_t x, ppl_const_Pointset_Powerset_Uint16_Box_t y)
- int ppl_Pointset_Powerset_Uint16_Box_simplify_using_context_assign (ppl_Pointset_Powerset_Uint16_Box_t x, ppl_const_Pointset_Powerset_Uint16_Box_t y)
- int ppl_Pointset_Powerset_Uint16_Box_constrains (ppl_Pointset_Powerset_Uint16_Box_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Uint16_Box_unconstrain_space_dimension (ppl_Pointset_Powerset_Uint16_Box_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Uint16_Box_unconstrain_space_dimensions (ppl_Pointset_Powerset_Uint16_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Uint16_Box_affine_image (ppl_Pointset_Powerset_Uint16_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)

- int ppl_Pointset_Powerset_Uint16_Box_affine_preimage (ppl_Pointset_Powerset_Uint16_Box_-t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Uint16_Box_bounded_affine_image (ppl_Pointset_Powerset_Uint16_-Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_-Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Uint16_Box_bounded_affine_preimage (ppl_Pointset_Powerset_-Uint16_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_-Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Uint16_Box_generalized_affine_image (ppl_Pointset_Powerset_-Uint16_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_-Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Uint16_Box_generalized_affine_preimage (ppl_Pointset_Powerset_-Uint16_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_-Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Uint16_Box_generalized_affine_image_lhs_rhs (ppl_Pointset_-Powerset_Uint16_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Uint16_Box_generalized_affine_preimage_lhs_rhs (ppl_Pointset_-Powerset_Uint16_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Uint16_Box_add_space_dimensions_and_embed (ppl_Pointset_-Powerset_Uint16_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Uint16_Box_add_space_dimensions_and_project (ppl_Pointset_-Powerset_Uint16_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Uint16_Box_remove_space_dimensions (ppl_Pointset_Powerset_-Uint16_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Uint16_Box_remove_higher_space_dimensions (ppl_Pointset_-Powerset_Uint16_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Uint16_Box_expand_space_dimension (ppl_Pointset_Powerset_-Uint16_Box_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Pointset_Powerset_Uint16_Box_fold_space_dimensions (ppl_Pointset_Powerset_Uint16_-Box_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Uint16_Box_map_space_dimensions (ppl_Pointset_Powerset_Uint16_-Box_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Pointset_Powerset_Uint16_Box_drop_some_non_integer_points (ppl_Pointset_Powerset_-Uint16_Box_t ph, int complexity)
- int ppl_Pointset_Powerset_Uint16_Box_drop_some_non_integer_points_2 (ppl_Pointset_-Powerset_Uint16_Box_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Pointset_Powerset_Uint16_Box_external_memory_in_bytes (ppl_const_Pointset_-Powerset_Uint16_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Uint16_Box_total_memory_in_bytes (ppl_const_Pointset_Powerset_-Uint16_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Uint16_Box_size (ppl_const_Pointset_Powerset_Uint16_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Uint16_Box_add_disjunct (ppl_Pointset_Powerset_Uint16_Box_t ps, ppl_const_Uint16_Box_t d)
- int ppl_Pointset_Powerset_Uint16_Box_drop_disjunct (ppl_Pointset_Powerset_Uint16_Box_t ps, ppl_const_Pointset_Powerset_Uint16_Box_iterator_t cit, ppl_Pointset_Powerset_Uint16_Box_-iterator_t it)
- int ppl_Pointset_Powerset_Uint16_Box_drop_disjuncts (ppl_Pointset_Powerset_Uint16_Box_t ps, ppl_const_Pointset_Powerset_Uint16_Box_iterator_t first, ppl_const_Pointset_Powerset_Uint16_-Box_iterator_t last)

- int ppl_io_print_Pointset_Powerset_Uint16_Box (ppl_const_Pointset_Powerset_Uint16_Box_t x)
- int ppl_io_fprint_Pointset_Powerset_Uint16_Box (FILE *stream, ppl_const_Pointset_Powerset_Uint16_Box_t x)
- int ppl_io_asprint_Pointset_Powerset_Uint16_Box (char **strp, ppl_const_Pointset_Powerset_Uint16_Box_t x)
- int ppl_Pointset_Powerset_Uint16_Box_ascii_dump (ppl_const_Pointset_Powerset_Uint16_Box_t x, FILE *stream)
- int ppl_Pointset_Powerset_Uint16_Box_ascii_load (ppl_Pointset_Powerset_Uint16_Box_t x, FILE *stream)

7.141.1 Detailed Description

Types and functions for ppl_Pointset_Powerset_Uint16_Box_tag.

7.141.2 Friends And Related Function Documentation

7.141.2.1 int ppl_delete_Pointset_Powerset_Uint16_Box (ppl_const_Pointset_Powerset_Uint16_Box_t *ph*) [related]

7.141.2.2 int ppl_new_Pointset_Powerset_Uint16_Box_from_space_dimension (ppl_Pointset_Powerset_Uint16_Box_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.141.2.3 int ppl_new_Pointset_Powerset_Uint16_Box_from_Pointset_Powerset_Uint16_Box (ppl_Pointset_Powerset_Uint16_Box_t * *pph*, ppl_const_Pointset_Powerset_Uint16_Box_t *ph*) [related]

7.141.2.4 int ppl_new_Pointset_Powerset_Uint16_Box_from_Uint16_Box (ppl_Pointset_Powerset_Uint16_Box_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.141.2.5 int ppl_new_Pointset_Powerset_Uint16_Box_from_Pointset_Powerset_Uint16_Box_with_complexity (ppl_Pointset_Powerset_Uint16_Box_t * *pph*, ppl_const_Pointset_Powerset_Uint16_Box_t *ph*, int *complexity*) [related]

7.141.2.6 int ppl_new_Pointset_Powerset_Uint16_Box_from_Uint16_Box_with_complexity (ppl_Pointset_Powerset_Uint16_Box_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.141.2.7 int ppl_new_Pointset_Powerset_Uint16_Box_from_Constraint_System (ppl_Pointset_Powerset_Uint16_Box_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.141.2.8 int ppl_new_Pointset_Powerset_Uint16_Box_from_Congruence_System (ppl_Pointset_Powerset_Uint16_Box_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.141.2.9 int ppl_Pointset_Powerset_Uint16_Box_space_dimension (ppl_const_Pointset_Powerset_Uint16_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.141.2.10 int ppl_Pointset_Powerset_Uint16_Box_affine_dimension (ppl_const_Pointset_Powerset_Uint16_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.141.2.11 int ppl_Pointset_Powerset_Uint16_Box_relation_with_Constraint (ppl_const_Pointset_Powerset_Uint16_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.141.2.12 int ppl_Pointset_Powerset_Uint16_Box_relation_with_Generator (ppl_const_Pointset_Powerset_Uint16_Box_t *ph*, ppl_const_Generator_t *c*) [related]

7.141.2.13 int ppl_Pointset_Powerset_Uint16_Box_relation_with_Congruence (ppl_const_Pointset_Powerset_Uint16_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.141.2.14 int ppl_Pointset_Powerset_Uint16_Box_is_empty (ppl_const_Pointset_Powerset_-Uint16_Box_t *ph*) [related]

7.141.2.15 int ppl_Pointset_Powerset_Uint16_Box_is_universe (ppl_const_Pointset_Powerset_-Uint16_Box_t *ph*) [related]

7.141.2.16 int ppl_Pointset_Powerset_Uint16_Box_is_bounded (ppl_const_Pointset_Powerset_-Uint16_Box_t *ph*) [related]

7.141.2.17 int ppl_Pointset_Powerset_Uint16_Box_contains_integer_point (ppl_const_Pointset_Powerset_Uint16_Box_t *ph*) [related]

7.141.2.18 int ppl_Pointset_Powerset_Uint16_Box_is_topologically_closed (ppl_const_Pointset_Powerset_Uint16_Box_t *ph*) [related]

7.141.2.19 int ppl_Pointset_Powerset_Uint16_Box_is_discrete (ppl_const_Pointset_Powerset_-Uint16_Box_t *ph*) [related]

7.141.2.20 int ppl_Pointset_Powerset_Uint16_Box_topological_closure_assign (ppl_Pointset_Powerset_Uint16_Box_t *ph*) [related]

7.141.2.21 int ppl_Pointset_Powerset_Uint16_Box_pairwise_reduce (ppl_Pointset_Powerset_Uint16_Box_t *ph*) [related]

7.141.2.22 int ppl_Pointset_Powerset_Uint16_Box_omega_reduce (ppl_Pointset_Powerset_-Uint16_Box_t *ph*) [related]

7.141.2.23 int ppl_Pointset_Powerset_Uint16_Box_bounds_from_above (ppl_const_Pointset_Powerset_Uint16_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.141.2.24 int ppl_Pointset_Powerset_Uint16_Box_bounds_from_below (ppl_const_Pointset_Powerset_Uint16_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.141.2.25 int ppl_Pointset_Powerset_Uint16_Box_maximize (ppl_const_Pointset_Powerset_Uint16_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.141.2.26 int ppl_Pointset_Powerset_Uint16_Box_minimize (ppl_const_Pointset_Powerset_Uint16_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.141.2.27 int ppl_Pointset_Powerset_Uint16_Box_maximize_with_point (ppl_const_Pointset_Powerset_Uint16_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.141.2.28 int ppl_Pointset_Powerset_Uint16_Box_minimize_with_point (ppl_const_Pointset_Powerset_Uint16_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.141.2.29 int ppl_Pointset_Powerset_Uint16_Box_contains_Pointset_Powerset_Uint16_Box (ppl_const_Pointset_Powerset_Uint16_Box_t *x*, ppl_const_Pointset_Powerset_Uint16_Box_t *y*) [related]

7.141.2.30 int ppl_Pointset_Powerset_Uint16_Box_strictly_contains_Pointset_Powerset_Uint16_Box (ppl_const_Pointset_Powerset_Uint16_Box_t *x*, ppl_const_Pointset_Powerset_Uint16_Box_t *y*) [related]

7.141.2.31 int ppl_Pointset_Powerset_Uint16_Box_is_disjoint_from_Pointset_-Powerset_Uint16_Box (ppl_const_Pointset_Powerset_Uint16_Box_t *x*, ppl_const_Pointset_Powerset_Uint16_Box_t *y*) [related]

7.141.2.32 int ppl_Pointset_Powerset_Uint16_Box_geometrically_covers_Pointset_-Powerset_Uint16_Box (ppl_const_Pointset_Powerset_Uint16_Box_t *x*, ppl_const_Pointset_Powerset_Uint16_Box_t *y*) [related]

7.141.2.33 int ppl_Pointset_Powerset_Uint16_Box_geometrically_equals_Pointset_-Powerset_Uint16_Box (ppl_const_Pointset_Powerset_Uint16_Box_t *x*, ppl_const_Pointset_Powerset_Uint16_Box_t *y*) [related]

7.141.2.34 int ppl_Pointset_Powerset_Uint16_Box_equals_Pointset_Powerset_Uint16_Box (ppl_-const_Pointset_Powerset_Uint16_Box_t *x*, ppl_const_Pointset_Powerset_Uint16_Box_t *y*) [related]

7.141.2.35 int ppl_Pointset_Powerset_Uint16_Box_OK (ppl_const_Pointset_Powerset_Uint16_-Box_t *ph*) [related]

7.141.2.36 int ppl_Pointset_Powerset_Uint16_Box_add_constraint (ppl_-Pointset_Powerset_Uint16_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.141.2.37 int ppl_Pointset_Powerset_Uint16_Box_add_congruence (ppl_-Pointset_Powerset_Uint16_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.141.2.38 int ppl_Pointset_Powerset_Uint16_Box_add_constraints (ppl_Pointset_-Powerset_Uint16_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.141.2.39 int ppl_Pointset_Powerset_Uint16_Box_add_congruences (ppl_Pointset_Powerset_Uint16_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.141.2.40 int ppl_Pointset_Powerset_Uint16_Box_refine_with_constraint (ppl_Pointset_Powerset_Uint16_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.141.2.41 int ppl_Pointset_Powerset_Uint16_Box_refine_with_congruence (ppl_Pointset_Powerset_Uint16_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.141.2.42 int ppl_Pointset_Powerset_Uint16_Box_refine_with_constraints (ppl_Pointset_Powerset_Uint16_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.141.2.43 int ppl_Pointset_Powerset_Uint16_Box_refine_with_congruences (ppl_Pointset_Powerset_Uint16_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.141.2.44 int ppl_Pointset_Powerset_Uint16_Box_intersection_assign (ppl_Pointset_Powerset_Uint16_Box_t *x*, ppl_const_Pointset_Powerset_Uint16_Box_t *y*) [related]

7.141.2.45 int ppl_Pointset_Powerset_Uint16_Box_upper_bound_assign (ppl_Pointset_Powerset_Uint16_Box_t *x*, ppl_const_Pointset_Powerset_Uint16_Box_t *y*) [related]

7.141.2.46 int ppl_Pointset_Powerset_Uint16_Box_difference_assign (ppl_Pointset_Powerset_Uint16_Box_t *x*, ppl_const_Pointset_Powerset_Uint16_Box_t *y*) [related]

7.141.2.47 int ppl_Pointset_Powerset_Uint16_Box_concatenate_assign (ppl_Pointset_-Powerset_Uint16_Box_t *x*, ppl_const_Pointset_Powerset_Uint16_Box_t *y*) [related]

7.141.2.48 int ppl_Pointset_Powerset_Uint16_Box_time_elapse_assign (ppl_Pointset_-Powerset_Uint16_Box_t *x*, ppl_const_Pointset_Powerset_Uint16_Box_t *y*) [related]

7.141.2.49 int ppl_Pointset_Powerset_Uint16_Box_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Uint16_Box_t *x*, ppl_const_Pointset_Powerset_Uint16_Box_t *y*) [related]

7.141.2.50 int ppl_Pointset_Powerset_Uint16_Box_simplify_using_context_assign (ppl_Pointset_Powerset_Uint16_Box_t *x*, ppl_const_Pointset_Powerset_Uint16_Box_t *y*) [related]

7.141.2.51 int ppl_Pointset_Powerset_Uint16_Box_constrains (ppl_Pointset_Powerset_Uint16_-Box_t *ph*, ppl_dimension_type *var*) [related]

7.141.2.52 int ppl_Pointset_Powerset_Uint16_Box_unconstrain_space_dimension (ppl_Pointset_Powerset_Uint16_Box_t *ph*, ppl_dimension_type *var*) [related]

7.141.2.53 int ppl_Pointset_Powerset_Uint16_Box_unconstrain_space_dimensions (ppl_Pointset_Powerset_Uint16_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.141.2.54 int ppl_Pointset_Powerset_Uint16_Box_affine_image (ppl_Pointset_Powerset_-Uint16_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.141.2.55 int ppl_Pointset_Powerset_Uint16_Box_affine_preimage (ppl_Pointset_Powerset_Uint16_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.141.2.56 int ppl_Pointset_Powerset_Uint16_Box_bounded_affine_image (ppl_Pointset_Powerset_Uint16_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.141.2.57 int ppl_Pointset_Powerset_Uint16_Box_bounded_affine_preimage (ppl_Pointset_Powerset_Uint16_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.141.2.58 int ppl_Pointset_Powerset_Uint16_Box_generalized_affine_image (ppl_Pointset_Powerset_Uint16_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.141.2.59 int ppl_Pointset_Powerset_Uint16_Box_generalized_affine_preimage (ppl_Pointset_Powerset_Uint16_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.141.2.60 int ppl_Pointset_Powerset_Uint16_Box_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Uint16_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.141.2.61 int ppl_Pointset_Powerset_Uint16_Box_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Uint16_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.141.2.62 int ppl_Pointset_Powerset_Uint16_Box_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Uint16_Box_t *ph*, ppl_dimension_type *d*) [related]

7.141.2.63 int ppl_Pointset_Powerset_Uint16_Box_add_space_dimensions_and_project (ppl_Pointset_Powerset_Uint16_Box_t *ph*, ppl_dimension_type *d*) [related]

7.141.2.64 int ppl_Pointset_Powerset_Uint16_Box_remove_space_dimensions (ppl_Pointset_Powerset_Uint16_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.141.2.65 int ppl_Pointset_Powerset_Uint16_Box_remove_higher_space_dimensions (ppl_Pointset_Powerset_Uint16_Box_t *ph*, ppl_dimension_type *d*) [related]

7.141.2.66 int ppl_Pointset_Powerset_Uint16_Box_expand_space_dimension (ppl_Pointset_Powerset_Uint16_Box_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.141.2.67 int ppl_Pointset_Powerset_Uint16_Box_fold_space_dimensions (ppl_Pointset_Powerset_Uint16_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.141.2.68 int ppl_Pointset_Powerset_Uint16_Box_map_space_dimensions (ppl_Pointset_Powerset_Uint16_Box_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.141.2.69 int ppl_Pointset_Powerset_Uint16_Box_drop_some_non_integer_points (ppl_Pointset_Powerset_Uint16_Box_t *ph*, int *complexity*) [related]

7.141.2.70 int ppl_Pointset_Powerset_Uint16_Box_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Uint16_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.141.2.71 int ppl_Pointset_Powerset_Uint16_Box_external_memory_in_bytes (ppl_const_Pointset_Powerset_Uint16_Box_t *ps*, size_t * *sz*) [related]

7.141.2.72 int ppl_Pointset_Powerset_Uint16_Box_total_memory_in_bytes (ppl_const_Pointset_Powerset_Uint16_Box_t *ps*, size_t * *sz*) [related]

7.141.2.73 int ppl_Pointset_Powerset_Uint16_Box_size (ppl_const_Pointset_Powerset_Uint16_Box_t *ps*, size_t * *sz*) [related]

7.141.2.74 int ppl_Pointset_Powerset_Uint16_Box_add_disjunct (ppl_Pointset_Powerset_Uint16_Box_t *ps*, ppl_const_Uint16_Box_t *d*) [related]

7.141.2.75 int ppl_Pointset_Powerset_Uint16_Box_drop_disjunct (ppl_Pointset_Powerset_Uint16_Box_t *ps*, ppl_const_Pointset_Powerset_Uint16_Box_iterator_t *cit*, ppl_Pointset_Powerset_Uint16_Box_iterator_t *it*) [related]

7.141.2.76 int ppl_Pointset_Powerset_Uint16_Box_drop_disjuncts (ppl_Pointset_Powerset_Uint16_Box_t *ps*, ppl_const_Pointset_Powerset_Uint16_Box_iterator_t *first*, ppl_const_Pointset_Powerset_Uint16_Box_iterator_t *last*) [related]

7.141.2.77 int ppl_io_print_Pointset_Powerset_Uint16_Box (ppl_const_Pointset_Powerset_Uint16_Box_t *x*) [related]

7.141.2.78 int ppl_io_fprint_Pointset_Powerset_Uint16_Box (FILE * *stream*, ppl_const_Pointset_Powerset_Uint16_Box_t *x*) [related]

7.141.2.79 int ppl_io_asprint_Pointset_Powerset_Uint16_Box (char ** *strp*, ppl_const_Pointset_Powerset_Uint16_Box_t *x*) [related]

7.141.2.80 int ppl_Pointset_Powerset_Uint16_Box_ascii_dump (ppl_const_Pointset_Powerset_Uint16_Box_t *x*, FILE * *stream*) [related]

7.141.2.81 int ppl_Pointset_Powerset_Uint16_Box_ascii_load (ppl_Pointset_Powerset_Uint16_Box_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.142 ppl_Pointset_Powerset_Uint32_Box_const_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Uint32_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Uint32_Box_const_iterator (ppl_Pointset_Powerset_Uint32_Box_const_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Uint32_Box_const_iterator_from_const_iterator (ppl_Pointset_Powerset_Uint32_Box_const_iterator_t *px, ppl_const_Pointset_Powerset_Uint32_Box_const_iterator_t y)
- int ppl_Pointset_Powerset_Uint32_Box_const_iterator_begin (ppl_const_Pointset_Powerset_Uint32_Box_t ps, ppl_Pointset_Powerset_Uint32_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Uint32_Box_const_iterator_end (ppl_const_Pointset_Powerset_Uint32_Box_t ps, ppl_Pointset_Powerset_Uint32_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Uint32_Box_const_iterator_equal_test (ppl_const_Pointset_Powerset_Uint32_Box_const_iterator_t x, ppl_const_Pointset_Powerset_Uint32_Box_const_iterator_t y)
- int ppl_Pointset_Powerset_Uint32_Box_const_iterator_increment (ppl_Pointset_Powerset_Uint32_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Uint32_Box_const_iterator_decrement (ppl_Pointset_Powerset_Uint32_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Uint32_Box_const_iterator_dereference (ppl_const_Pointset_Powerset_Uint32_Box_const_iterator_t ps, ppl_const_Uint32_Box_t *d)
- int ppl_delete_Pointset_Powerset_Uint32_Box_const_iterator (ppl_const_Pointset_Powerset_Uint32_Box_const_iterator_t psit)

7.142.1 Detailed Description

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Uint32_Box_tag.

7.142.2 Friends And Related Function Documentation

7.142.2.1 int ppl_new_Pointset_Powerset_Uint32_Box_const_iterator (ppl_Pointset_Powerset_Uint32_Box_const_iterator_t * *pit*) [related]

7.142.2.2 int ppl_new_Pointset_Powerset_Uint32_Box_const_iterator_from_const_iterator (ppl_Pointset_Powerset_Uint32_Box_const_iterator_t * *px*, ppl_const_Pointset_Powerset_Uint32_Box_const_iterator_t *y*) [related]

7.142.2.3 int ppl_Pointset_Powerset_Uint32_Box_const_iterator_begin (ppl_const_Pointset_Powerset_Uint32_Box_t *ps*, ppl_Pointset_Powerset_Uint32_Box_const_iterator_t *psit*) [related]

7.142.2.4 int ppl_Pointset_Powerset_Uint32_Box_const_iterator_end (ppl_const_Pointset_Powerset_Uint32_Box_t *ps*, ppl_Pointset_Powerset_Uint32_Box_const_iterator_t *psit*) [related]

7.142.2.5 int ppl_Pointset_Powerset_Uint32_Box_const_iterator_equal_test (ppl_const_Pointset_Powerset_Uint32_Box_const_iterator_t *x*, ppl_const_Pointset_Powerset_Uint32_Box_const_iterator_t *y*) [related]

7.142.2.6 int ppl_Pointset_Powerset_Uint32_Box_const_iterator_increment (ppl_Pointset_Powerset_Uint32_Box_const_iterator_t *psit*) [related]

7.142.2.7 int ppl_Pointset_Powerset_Uint32_Box_const_iterator_decrement (ppl_Pointset_Powerset_Uint32_Box_const_iterator_t *psit*) [related]

7.142.2.8 int ppl_Pointset_Powerset_Uint32_Box_const_iterator_dereference (ppl_const_Pointset_Powerset_Uint32_Box_const_iterator_t *ps*, ppl_const_Uint32_Box_t * *d*) [related]

7.142.2.9 int ppl_delete_Pointset_Powerset_Uint32_Box_const_iterator (ppl_const_Pointset_Powerset_Uint32_Box_const_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.143 ppl_Pointset_Powerset_Uint32_Box_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Uint32_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Uint32_Box_iterator (ppl_Pointset_Powerset_Uint32_Box_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Uint32_Box_iterator_from_iterator (ppl_Pointset_Powerset_Uint32_Box_iterator_t *px, ppl_const_Pointset_Powerset_Uint32_Box_iterator_t y)
- int ppl_Pointset_Powerset_Uint32_Box_iterator_begin (ppl_Pointset_Powerset_Uint32_Box_t ps, ppl_Pointset_Powerset_Uint32_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Uint32_Box_iterator_end (ppl_Pointset_Powerset_Uint32_Box_t ps, ppl_Pointset_Powerset_Uint32_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Uint32_Box_iterator_equal_test (ppl_const_Pointset_Powerset_Uint32_Box_iterator_t x, ppl_const_Pointset_Powerset_Uint32_Box_iterator_t y)
- int ppl_Pointset_Powerset_Uint32_Box_iterator_increment (ppl_Pointset_Powerset_Uint32_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Uint32_Box_iterator_decrement (ppl_Pointset_Powerset_Uint32_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Uint32_Box_iterator_dereference (ppl_const_Pointset_Powerset_Uint32_Box_iterator_t ps, ppl_const_Uint32_Box_t *d)
- int ppl_delete_Pointset_Powerset_Uint32_Box_iterator (ppl_const_Pointset_Powerset_Uint32_Box_iterator_t psit)

7.143.1 Detailed Description

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Uint32_Box_tag.

7.143.2 Friends And Related Function Documentation

7.143.2.1 int ppl_new_Pointset_Powerset_Uint32_Box_iterator (ppl_Pointset_Powerset_Uint32_Box_iterator_t * *pit*) [related]

7.143.2.2 int ppl_new_Pointset_Powerset_Uint32_Box_iterator_from_iterator (ppl_Pointset_Powerset_Uint32_Box_iterator_t * *px*, ppl_const_Pointset_Powerset_Uint32_Box_iterator_t *y*) [related]

7.143.2.3 int ppl_Pointset_Powerset_Uint32_Box_iterator_begin (ppl_Pointset_Powerset_Uint32_Box_t *ps*, ppl_Pointset_Powerset_Uint32_Box_iterator_t *psit*) [related]

7.143.2.4 int ppl_Pointset_Powerset_Uint32_Box_iterator_end (ppl_Pointset_Powerset_Uint32_Box_t *ps*, ppl_Pointset_Powerset_Uint32_Box_iterator_t *psit*) [related]

7.143.2.5 int ppl_Pointset_Powerset_Uint32_Box_iterator_equal_test (ppl_const_Pointset_Powerset_Uint32_Box_iterator_t *x*, ppl_const_Pointset_Powerset_Uint32_Box_iterator_t *y*) [related]

7.143.2.6 int ppl_Pointset_Powerset_Uint32_Box_iterator_increment (ppl_Pointset_Powerset_Uint32_Box_iterator_t *psit*) [related]

7.143.2.7 int ppl_Pointset_Powerset_Uint32_Box_iterator_decrement (ppl_Pointset_Powerset_Uint32_Box_iterator_t *psit*) [related]

7.143.2.8 int ppl_Pointset_Powerset_Uint32_Box_iterator_dereference (ppl_const_Pointset_Powerset_Uint32_Box_iterator_t *ps*, ppl_const_Uint32_Box_t * *d*) [related]

7.143.2.9 int ppl_delete_Pointset_Powerset_Uint32_Box_iterator (ppl_const_Pointset_Powerset_Uint32_Box_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.144 ppl_Pointset_Powerset_Uint32_Box_tag Interface Reference

Types and functions for ppl_Pointset_Powerset_Uint32_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Pointset_Powerset_Uint32_Box (ppl_const_Pointset_Powerset_Uint32_Box_t ph)
- int ppl_new_Pointset_Powerset_Uint32_Box_from_space_dimension (ppl_Pointset_Powerset_Uint32_Box_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Pointset_Powerset_Uint32_Box_from_Pointset_Powerset_Uint32_Box (ppl_Pointset_Powerset_Uint32_Box_t *pph, ppl_const_Pointset_Powerset_Uint32_Box_t ph)
- int ppl_new_Pointset_Powerset_Uint32_Box_from_Uint32_Box (ppl_Pointset_Powerset_Uint32_Box_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_Pointset_Powerset_Uint32_Box_from_Pointset_Powerset_Uint32_Box_with_complexity (ppl_Pointset_Powerset_Uint32_Box_t *pph, ppl_const_Pointset_Powerset_Uint32_Box_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Uint32_Box_from_Uint32_Box_with_complexity (ppl_Pointset_Powerset_Uint32_Box_t *pph, ppl_const_Uint32_Box_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Uint32_Box_from_Constraint_System (ppl_Pointset_Powerset_Uint32_Box_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Pointset_Powerset_Uint32_Box_from_Congruence_System (ppl_Pointset_Powerset_Uint32_Box_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Uint32_Box_space_dimension (ppl_const_Pointset_Powerset_Uint32_Box_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Uint32_Box_affine_dimension (ppl_const_Pointset_Powerset_Uint32_Box_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Uint32_Box_relation_with_Constraint (ppl_const_Pointset_Powerset_Uint32_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Uint32_Box_relation_with_Generator (ppl_const_Pointset_Powerset_Uint32_Box_t ph, ppl_const_Generator_t c)
- int ppl_Pointset_Powerset_Uint32_Box_relation_with_Congruence (ppl_const_Pointset_Powerset_Uint32_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Uint32_Box_is_empty (ppl_const_Pointset_Powerset_Uint32_Box_t ph)
- int ppl_Pointset_Powerset_Uint32_Box_is_universe (ppl_const_Pointset_Powerset_Uint32_Box_t ph)
- int ppl_Pointset_Powerset_Uint32_Box_is_bounded (ppl_const_Pointset_Powerset_Uint32_Box_t ph)

- int ppl_Pointset_Powerset_Uint32_Box_contains_integer_point (ppl_const_Pointset_Powerset_Uint32_Box_t ph)
- int ppl_Pointset_Powerset_Uint32_Box_is_topologically_closed (ppl_const_Pointset_Powerset_Uint32_Box_t ph)
- int ppl_Pointset_Powerset_Uint32_Box_is_discrete (ppl_const_Pointset_Powerset_Uint32_Box_t ph)
- int ppl_Pointset_Powerset_Uint32_Box_topological_closure_assign (ppl_Pointset_Powerset_Uint32_Box_t ph)
- int ppl_Pointset_Powerset_Uint32_Box_pairwise_reduce (ppl_Pointset_Powerset_Uint32_Box_t ph)
- int ppl_Pointset_Powerset_Uint32_Box_omega_reduce (ppl_Pointset_Powerset_Uint32_Box_t ph)
- int ppl_Pointset_Powerset_Uint32_Box_bounds_from_above (ppl_const_Pointset_Powerset_Uint32_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Uint32_Box_bounds_from_below (ppl_const_Pointset_Powerset_Uint32_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Uint32_Box_maximize (ppl_const_Pointset_Powerset_Uint32_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Uint32_Box_minimize (ppl_const_Pointset_Powerset_Uint32_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Uint32_Box_maximize_with_point (ppl_const_Pointset_Powerset_Uint32_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Uint32_Box_minimize_with_point (ppl_const_Pointset_Powerset_Uint32_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Uint32_Box_contains_Pointset_Powerset_Uint32_Box (ppl_const_Pointset_Powerset_Uint32_Box_t x, ppl_const_Pointset_Powerset_Uint32_Box_t y)
- int ppl_Pointset_Powerset_Uint32_Box_strictly_contains_Pointset_Powerset_Uint32_Box (ppl_const_Pointset_Powerset_Uint32_Box_t x, ppl_const_Pointset_Powerset_Uint32_Box_t y)
- int ppl_Pointset_Powerset_Uint32_Box_is_disjoint_from_Pointset_Powerset_Uint32_Box (ppl_const_Pointset_Powerset_Uint32_Box_t x, ppl_const_Pointset_Powerset_Uint32_Box_t y)
- int ppl_Pointset_Powerset_Uint32_Box_geometrically_covers_Pointset_Powerset_Uint32_Box (ppl_const_Pointset_Powerset_Uint32_Box_t x, ppl_const_Pointset_Powerset_Uint32_Box_t y)
- int ppl_Pointset_Powerset_Uint32_Box_geometrically_equals_Pointset_Powerset_Uint32_Box (ppl_const_Pointset_Powerset_Uint32_Box_t x, ppl_const_Pointset_Powerset_Uint32_Box_t y)
- int ppl_Pointset_Powerset_Uint32_Box_equals_Pointset_Powerset_Uint32_Box (ppl_const_Pointset_Powerset_Uint32_Box_t x, ppl_const_Pointset_Powerset_Uint32_Box_t y)
- int ppl_Pointset_Powerset_Uint32_Box_OK (ppl_const_Pointset_Powerset_Uint32_Box_t ph)
- int ppl_Pointset_Powerset_Uint32_Box_add_constraint (ppl_Pointset_Powerset_Uint32_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Uint32_Box_add_congruence (ppl_Pointset_Powerset_Uint32_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Uint32_Box_add_constraints (ppl_Pointset_Powerset_Uint32_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Uint32_Box_add_congruences (ppl_Pointset_Powerset_Uint32_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Uint32_Box_refine_with_constraint (ppl_Pointset_Powerset_Uint32_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Uint32_Box_refine_with_congruence (ppl_Pointset_Powerset_Uint32_Box_t ph, ppl_const_Congruence_t c)

- int ppl_Pointset_Powerset_Uint32_Box_refine_with_constraints (ppl_Pointset_Powerset_Uint32_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Uint32_Box_refine_with_congruences (ppl_Pointset_Powerset_Uint32_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Uint32_Box_intersection_assign (ppl_Pointset_Powerset_Uint32_Box_t x, ppl_const_Pointset_Powerset_Uint32_Box_t y)
- int ppl_Pointset_Powerset_Uint32_Box_upper_bound_assign (ppl_Pointset_Powerset_Uint32_Box_t x, ppl_const_Pointset_Powerset_Uint32_Box_t y)
- int ppl_Pointset_Powerset_Uint32_Box_difference_assign (ppl_Pointset_Powerset_Uint32_Box_t x, ppl_const_Pointset_Powerset_Uint32_Box_t y)
- int ppl_Pointset_Powerset_Uint32_Box_concatenate_assign (ppl_Pointset_Powerset_Uint32_Box_t x, ppl_const_Pointset_Powerset_Uint32_Box_t y)
- int ppl_Pointset_Powerset_Uint32_Box_time_elapse_assign (ppl_Pointset_Powerset_Uint32_Box_t x, ppl_const_Pointset_Powerset_Uint32_Box_t y)
- int ppl_Pointset_Powerset_Uint32_Box_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Uint32_Box_t x, ppl_const_Pointset_Powerset_Uint32_Box_t y)
- int ppl_Pointset_Powerset_Uint32_Box_simplify_using_context_assign (ppl_Pointset_Powerset_Uint32_Box_t x, ppl_const_Pointset_Powerset_Uint32_Box_t y)
- int ppl_Pointset_Powerset_Uint32_Box_constrains (ppl_Pointset_Powerset_Uint32_Box_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Uint32_Box_unconstrain_space_dimension (ppl_Pointset_Powerset_Uint32_Box_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Uint32_Box_unconstrain_space_dimensions (ppl_Pointset_Powerset_Uint32_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Uint32_Box_affine_image (ppl_Pointset_Powerset_Uint32_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Uint32_Box_affine_preimage (ppl_Pointset_Powerset_Uint32_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Uint32_Box_bounded_affine_image (ppl_Pointset_Powerset_Uint32_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Uint32_Box_bounded_affine_preimage (ppl_Pointset_Powerset_Uint32_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Uint32_Box_generalized_affine_image (ppl_Pointset_Powerset_Uint32_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Uint32_Box_generalized_affine_preimage (ppl_Pointset_Powerset_Uint32_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Uint32_Box_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Uint32_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Uint32_Box_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Uint32_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Uint32_Box_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Uint32_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Uint32_Box_add_space_dimensions_and_project (ppl_Pointset_Powerset_Uint32_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Uint32_Box_remove_space_dimensions (ppl_Pointset_Powerset_Uint32_Box_t ph, ppl_dimension_type ds[ ], size_t n)

- int ppl_Pointset_Powerset_Uint32_Box_remove_higher_space_dimensions (ppl_Pointset_Powerset_Uint32_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Uint32_Box_expand_space_dimension (ppl_Pointset_Powerset_Uint32_Box_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Pointset_Powerset_Uint32_Box_fold_space_dimensions (ppl_Pointset_Powerset_Uint32_Box_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Uint32_Box_map_space_dimensions (ppl_Pointset_Powerset_Uint32_Box_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Pointset_Powerset_Uint32_Box_drop_some_non_integer_points (ppl_Pointset_Powerset_Uint32_Box_t ph, int complexity)
- int ppl_Pointset_Powerset_Uint32_Box_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Uint32_Box_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Pointset_Powerset_Uint32_Box_external_memory_in_bytes (ppl_const_Pointset_Powerset_Uint32_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Uint32_Box_total_memory_in_bytes (ppl_const_Pointset_Powerset_Uint32_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Uint32_Box_size (ppl_const_Pointset_Powerset_Uint32_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Uint32_Box_add_disjunct (ppl_Pointset_Powerset_Uint32_Box_t ps, ppl_const_Uint32_Box_t d)
- int ppl_Pointset_Powerset_Uint32_Box_drop_disjunct (ppl_Pointset_Powerset_Uint32_Box_t ps, ppl_const_Pointset_Powerset_Uint32_Box_iterator_t cit, ppl_Pointset_Powerset_Uint32_Box_iterator_t it)
- int ppl_Pointset_Powerset_Uint32_Box_drop_disjuncts (ppl_Pointset_Powerset_Uint32_Box_t ps, ppl_const_Pointset_Powerset_Uint32_Box_iterator_t first, ppl_const_Pointset_Powerset_Uint32_Box_iterator_t last)
- int ppl_io_print_Pointset_Powerset_Uint32_Box (ppl_const_Pointset_Powerset_Uint32_Box_t x)
- int ppl_io_fprint_Pointset_Powerset_Uint32_Box (FILE *stream, ppl_const_Pointset_Powerset_Uint32_Box_t x)
- int ppl_io_asprint_Pointset_Powerset_Uint32_Box (char **strp, ppl_const_Pointset_Powerset_Uint32_Box_t x)
- int ppl_Pointset_Powerset_Uint32_Box_ascii_dump (ppl_const_Pointset_Powerset_Uint32_Box_t x, FILE *stream)
- int ppl_Pointset_Powerset_Uint32_Box_ascii_load (ppl_Pointset_Powerset_Uint32_Box_t x, FILE *stream)

7.144.1 Detailed Description

Types and functions for ppl_Pointset_Powerset_Uint32_Box_tag.

7.144.2 Friends And Related Function Documentation

7.144.2.1 int ppl_delete_Pointset_Powerset_Uint32_Box (ppl_const_Pointset_Powerset_Uint32_Box_t *ph*) [related]

7.144.2.2 int ppl_new_Pointset_Powerset_Uint32_Box_from_space_dimension (ppl_Pointset_Powerset_Uint32_Box_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.144.2.3 int ppl_new_Pointset_Powerset_Uint32_Box_from_Pointset_Powerset_Uint32_Box (ppl_Pointset_Powerset_Uint32_Box_t * *pph*, ppl_const_Pointset_Powerset_Uint32_Box_t *ph*) [related]

7.144.2.4 int ppl_new_Pointset_Powerset_Uint32_Box_from_Uint32_Box (ppl_Pointset_Powerset_Uint32_Box_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.144.2.5 int ppl_new_Pointset_Powerset_Uint32_Box_from_Pointset_Powerset_Uint32_Box_with_complexity (ppl_Pointset_Powerset_Uint32_Box_t * *pph*, ppl_const_Pointset_Powerset_Uint32_Box_t *ph*, int *complexity*) [related]

7.144.2.6 int ppl_new_Pointset_Powerset_Uint32_Box_from_Uint32_Box_with_complexity (ppl_Pointset_Powerset_Uint32_Box_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.144.2.7 int ppl_new_Pointset_Powerset_Uint32_Box_from_Constraint_System (ppl_Pointset_Powerset_Uint32_Box_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.144.2.8 int ppl_new_Pointset_Powerset_Uint32_Box_from_Congruence_System (ppl_Pointset_Powerset_Uint32_Box_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.144.2.9 int ppl_Pointset_Powerset_Uint32_Box_space_dimension (ppl_const_Pointset_Powerset_Uint32_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.144.2.10 int ppl_Pointset_Powerset_Uint32_Box_affine_dimension (ppl_const_Pointset_Powerset_Uint32_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.144.2.11 int ppl_Pointset_Powerset_Uint32_Box_relation_with_Constraint (ppl_const_Pointset_Powerset_Uint32_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.144.2.12 int ppl_Pointset_Powerset_Uint32_Box_relation_with_Generator (ppl_const_Pointset_Powerset_Uint32_Box_t *ph*, ppl_const_Generator_t *c*) [related]

7.144.2.13 int ppl_Pointset_Powerset_Uint32_Box_relation_with_Congruence (ppl_const_Pointset_Powerset_Uint32_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.144.2.14 int ppl_Pointset_Powerset_Uint32_Box_is_empty (ppl_const_Pointset_Powerset_Uint32_Box_t *ph*) [related]

7.144.2.15 int ppl_Pointset_Powerset_Uint32_Box_is_universe (ppl_const_Pointset_Powerset_Uint32_Box_t *ph*) [related]

7.144.2.16 int ppl_Pointset_Powerset_Uint32_Box_is_bounded (ppl_const_Pointset_Powerset_Uint32_Box_t *ph*) [related]

7.144.2.17 int ppl_Pointset_Powerset_Uint32_Box_contains_integer_point (ppl_const_Pointset_Powerset_Uint32_Box_t *ph*) [related]

7.144.2.18 int ppl_Pointset_Powerset_Uint32_Box_is_topologically_closed (ppl_const_Pointset_Powerset_Uint32_Box_t *ph*) [related]

7.144.2.19 int ppl_Pointset_Powerset_Uint32_Box_is_discrete (ppl_const_Pointset_Powerset_-Uint32_Box_t *ph*) [related]

7.144.2.20 int ppl_Pointset_Powerset_Uint32_Box_topological_closure_assign (ppl_Pointset_Powerset_Uint32_Box_t *ph*) [related]

7.144.2.21 int ppl_Pointset_Powerset_Uint32_Box_pairwise_reduce (ppl_Pointset_Powerset_Uint32_Box_t *ph*) [related]

7.144.2.22 int ppl_Pointset_Powerset_Uint32_Box_omega_reduce (ppl_Pointset_Powerset_-Uint32_Box_t *ph*) [related]

7.144.2.23 int ppl_Pointset_Powerset_Uint32_Box_bounds_from_above (ppl_const_-Pointset_Powerset_Uint32_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.144.2.24 int ppl_Pointset_Powerset_Uint32_Box_bounds_from_below (ppl_const_-Pointset_Powerset_Uint32_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.144.2.25 int ppl_Pointset_Powerset_Uint32_Box_maximize (ppl_const_Pointset_Powerset_-Uint32_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.144.2.26 int ppl_Pointset_Powerset_Uint32_Box_minimize (ppl_const_Pointset_Powerset_-Uint32_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.144.2.27 int ppl_Pointset_Powerset_Uint32_Box_maximize_with_point (ppl_const_Pointset_Powerset_Uint32_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.144.2.28 int ppl_Pointset_Powerset_Uint32_Box_minimize_with_point (ppl_const_Pointset_Powerset_Uint32_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.144.2.29 int ppl_Pointset_Powerset_Uint32_Box_contains_Pointset_Powerset_Uint32_Box (ppl_const_Pointset_Powerset_Uint32_Box_t *x*, ppl_const_Pointset_Powerset_Uint32_Box_t *y*) [related]

7.144.2.30 int ppl_Pointset_Powerset_Uint32_Box_strictly_contains_Pointset_Powerset_Uint32_Box (ppl_const_Pointset_Powerset_Uint32_Box_t *x*, ppl_const_Pointset_Powerset_Uint32_Box_t *y*) [related]

7.144.2.31 int ppl_Pointset_Powerset_Uint32_Box_is_disjoint_from_Pointset_Powerset_Uint32_Box (ppl_const_Pointset_Powerset_Uint32_Box_t *x*, ppl_const_Pointset_Powerset_Uint32_Box_t *y*) [related]

7.144.2.32 int ppl_Pointset_Powerset_Uint32_Box_geometrically_covers_Pointset_Powerset_Uint32_Box (ppl_const_Pointset_Powerset_Uint32_Box_t *x*, ppl_const_Pointset_Powerset_Uint32_Box_t *y*) [related]

7.144.2.33 int ppl_Pointset_Powerset_Uint32_Box_geometrically_equals_Pointset_Powerset_Uint32_Box (ppl_const_Pointset_Powerset_Uint32_Box_t *x*, ppl_const_Pointset_Powerset_Uint32_Box_t *y*) [related]

7.144.2.34 int ppl_Pointset_Powerset_Uint32_Box_equals_Pointset_Powerset_Uint32_Box (ppl_const_Pointset_Powerset_Uint32_Box_t *x*, ppl_const_Pointset_Powerset_Uint32_Box_t *y*) [related]

7.144.2.35 int ppl_Pointset_Powerset_Uint32_Box_OK (ppl_const_Pointset_Powerset_Uint32_-Box_t *ph*) [related]

7.144.2.36 int ppl_Pointset_Powerset_Uint32_Box_add_constraint (ppl_-Pointset_Powerset_Uint32_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.144.2.37 int ppl_Pointset_Powerset_Uint32_Box_add_congruence (ppl_-Pointset_Powerset_Uint32_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.144.2.38 int ppl_Pointset_Powerset_Uint32_Box_add_constraints (ppl_Pointset_-Powerset_Uint32_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.144.2.39 int ppl_Pointset_Powerset_Uint32_Box_add_congruences (ppl_Pointset_-Powerset_Uint32_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.144.2.40 int ppl_Pointset_Powerset_Uint32_Box_refine_with_constraint (ppl_Pointset_Powerset_Uint32_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.144.2.41 int ppl_Pointset_Powerset_Uint32_Box_refine_with_congruence (ppl_Pointset_Powerset_Uint32_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.144.2.42 int ppl_Pointset_Powerset_Uint32_Box_refine_with_constraints (ppl_Pointset_Powerset_Uint32_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.144.2.43 int ppl_Pointset_Powerset_Uint32_Box_refine_with_congruences (ppl_Pointset_Powerset_Uint32_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.144.2.44 int ppl_Pointset_Powerset_Uint32_Box_intersection_assign (ppl_Pointset_Powerset_Uint32_Box_t *x*, ppl_const_Pointset_Powerset_Uint32_Box_t *y*) [related]

7.144.2.45 int ppl_Pointset_Powerset_Uint32_Box_upper_bound_assign (ppl_Pointset_Powerset_Uint32_Box_t *x*, ppl_const_Pointset_Powerset_Uint32_Box_t *y*) [related]

7.144.2.46 int ppl_Pointset_Powerset_Uint32_Box_difference_assign (ppl_Pointset_Powerset_Uint32_Box_t *x*, ppl_const_Pointset_Powerset_Uint32_Box_t *y*) [related]

7.144.2.47 int ppl_Pointset_Powerset_Uint32_Box_concatenate_assign (ppl_Pointset_Powerset_Uint32_Box_t *x*, ppl_const_Pointset_Powerset_Uint32_Box_t *y*) [related]

7.144.2.48 int ppl_Pointset_Powerset_Uint32_Box_time_elapse_assign (ppl_Pointset_Powerset_Uint32_Box_t *x*, ppl_const_Pointset_Powerset_Uint32_Box_t *y*) [related]

7.144.2.49 int ppl_Pointset_Powerset_Uint32_Box_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Uint32_Box_t *x*, ppl_const_Pointset_Powerset_Uint32_Box_t *y*) [related]

7.144.2.50 int ppl_Pointset_Powerset_Uint32_Box_simplify_using_context_assign (ppl_Pointset_Powerset_Uint32_Box_t *x*, ppl_const_Pointset_Powerset_Uint32_Box_t *y*) [related]

7.144.2.51 int ppl_Pointset_Powerset_Uint32_Box_constrains (ppl_Pointset_Powerset_Uint32_-Box_t *ph*, ppl_dimension_type *var*) [related]

7.144.2.52 int ppl_Pointset_Powerset_Uint32_Box_unconstrain_space_dimension (ppl_Pointset_Powerset_Uint32_Box_t *ph*, ppl_dimension_type *var*) [related]

7.144.2.53 int ppl_Pointset_Powerset_Uint32_Box_unconstrain_space_dimensions (ppl_Pointset_Powerset_Uint32_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.144.2.54 int ppl_Pointset_Powerset_Uint32_Box_affine_image (ppl_Pointset_Powerset_-Uint32_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.144.2.55 int ppl_Pointset_Powerset_Uint32_Box_affine_preimage (ppl_Pointset_Powerset_-Uint32_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.144.2.56 int ppl_Pointset_Powerset_Uint32_Box_bounded_affine_image (ppl_Pointset_-Powerset_Uint32_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.144.2.57 int ppl_Pointset_Powerset_Uint32_Box_bounded_affine_preimage (ppl_Pointset_Powerset_Uint32_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.144.2.58 int ppl_Pointset_Powerset_Uint32_Box_generalized_affine_image (ppl_Pointset_Powerset_Uint32_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.144.2.59 int ppl_Pointset_Powerset_Uint32_Box_generalized_affine_preimage (ppl_Pointset_Powerset_Uint32_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.144.2.60 int ppl_Pointset_Powerset_Uint32_Box_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Uint32_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.144.2.61 int ppl_Pointset_Powerset_Uint32_Box_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Uint32_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.144.2.62 int ppl_Pointset_Powerset_Uint32_Box_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Uint32_Box_t *ph*, ppl_dimension_type *d*) [related]

7.144.2.63 int ppl_Pointset_Powerset_Uint32_Box_add_space_dimensions_and_project (ppl_Pointset_Powerset_Uint32_Box_t *ph*, ppl_dimension_type *d*) [related]

7.144.2.64 int ppl_Pointset_Powerset_Uint32_Box_remove_space_dimensions (ppl_Pointset_Powerset_Uint32_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.144.2.65 int ppl_Pointset_Powerset_Uint32_Box_remove_higher_space_dimensions (ppl_Pointset_Powerset_Uint32_Box_t *ph*, ppl_dimension_type *d*) [related]

7.144.2.66 int ppl_Pointset_Powerset_Uint32_Box_expand_space_dimension (ppl_Pointset_Powerset_Uint32_Box_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.144.2.67 int ppl_Pointset_Powerset_Uint32_Box_fold_space_dimensions (ppl_Pointset_Powerset_Uint32_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.144.2.68 int ppl_Pointset_Powerset_Uint32_Box_map_space_dimensions (ppl_Pointset_Powerset_Uint32_Box_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.144.2.69 int ppl_Pointset_Powerset_Uint32_Box_drop_some_non_integer_points (ppl_Pointset_Powerset_Uint32_Box_t *ph*, int *complexity*) [related]

7.144.2.70 int ppl_Pointset_Powerset_Uint32_Box_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Uint32_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.144.2.71 int ppl_Pointset_Powerset_Uint32_Box_external_memory_in_bytes (ppl_const_Pointset_Powerset_Uint32_Box_t *ps*, size_t * *sz*) [related]

7.144.2.72 int ppl_Pointset_Powerset_Uint32_Box_total_memory_in_bytes (ppl_const_Pointset_Powerset_Uint32_Box_t *ps*, size_t * *sz*) [related]

7.144.2.73 int ppl_Pointset_Powerset_Uint32_Box_size (ppl_const_Pointset_Powerset_Uint32_Box_t *ps*, size_t * *sz*) [related]

7.144.2.74 int ppl_Pointset_Powerset_Uint32_Box_add_disjunct (ppl_Pointset_Powerset_Uint32_Box_t *ps*, ppl_const_Uint32_Box_t *d*) [related]

7.144.2.75 int ppl_Pointset_Powerset_Uint32_Box_drop_disjunct (ppl_Pointset_Powerset_Uint32_Box_t *ps*, ppl_const_Pointset_Powerset_Uint32_Box_iterator_t *cit*, ppl_Pointset_Powerset_Uint32_Box_iterator_t *it*) [related]

7.144.2.76 int ppl_Pointset_Powerset_Uint32_Box_drop_disjuncts (ppl_Pointset_Powerset_Uint32_Box_t *ps*, ppl_const_Pointset_Powerset_Uint32_Box_iterator_t *first*, ppl_const_Pointset_Powerset_Uint32_Box_iterator_t *last*) [related]

7.144.2.77 int ppl_io_print_Pointset_Powerset_Uint32_Box (ppl_const_Pointset_Powerset_Uint32_Box_t *x*) [related]

7.144.2.78 int ppl_io_fprint_Pointset_Powerset_Uint32_Box (FILE * *stream*, ppl_const_Pointset_Powerset_Uint32_Box_t *x*) [related]

7.144.2.79 int ppl_io_asprint_Pointset_Powerset_Uint32_Box (char ** *strp*, ppl_const_Pointset_Powerset_Uint32_Box_t *x*) [related]

7.144.2.80 int ppl_Pointset_Powerset_Uint32_Box_ascii_dump (ppl_const_Pointset_Powerset_Uint32_Box_t *x*, FILE * *stream*) [related]

7.144.2.81 int ppl_Pointset_Powerset_Uint32_Box_ascii_load (ppl_Pointset_Powerset_Uint32_Box_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.145 ppl_Pointset_Powerset_Uint64_Box_const_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Uint64_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Uint64_Box_const_iterator (ppl_Pointset_Powerset_Uint64_Box_const_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Uint64_Box_const_iterator_from_const_iterator (ppl_Pointset_Powerset_Uint64_Box_const_iterator_t *px, ppl_const_Pointset_Powerset_Uint64_Box_const_iterator_t y)

- int ppl_Pointset_Powerset_Uint64_Box_const_iterator_begin (ppl_const_Pointset_Powerset_Uint64_Box_t ps, ppl_Pointset_Powerset_Uint64_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Uint64_Box_const_iterator_end (ppl_const_Pointset_Powerset_Uint64_Box_t ps, ppl_Pointset_Powerset_Uint64_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Uint64_Box_const_iterator_equal_test (ppl_const_Pointset_Powerset_Uint64_Box_const_iterator_t x, ppl_const_Pointset_Powerset_Uint64_Box_const_iterator_t y)
- int ppl_Pointset_Powerset_Uint64_Box_const_iterator_increment (ppl_Pointset_Powerset_Uint64_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Uint64_Box_const_iterator_decrement (ppl_Pointset_Powerset_Uint64_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Uint64_Box_const_iterator_dereference (ppl_const_Pointset_Powerset_Uint64_Box_const_iterator_t ps, ppl_const_Uint64_Box_t *d)
- int ppl_delete_Pointset_Powerset_Uint64_Box_const_iterator (ppl_const_Pointset_Powerset_Uint64_Box_const_iterator_t psit)

7.145.1 Detailed Description

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Uint64_Box_tag.

7.145.2 Friends And Related Function Documentation

7.145.2.1 int ppl_new_Pointset_Powerset_Uint64_Box_const_iterator (ppl_Pointset_Powerset_Uint64_Box_const_iterator_t * *pit*) [related]

7.145.2.2 int ppl_new_Pointset_Powerset_Uint64_Box_const_iterator_from_const_iterator (ppl_Pointset_Powerset_Uint64_Box_const_iterator_t * *px*, ppl_const_Pointset_Powerset_Uint64_Box_const_iterator_t *y*) [related]

7.145.2.3 int ppl_Pointset_Powerset_Uint64_Box_const_iterator_begin (ppl_const_Pointset_Powerset_Uint64_Box_t *ps*, ppl_Pointset_Powerset_Uint64_Box_const_iterator_t *psit*) [related]

7.145.2.4 int ppl_Pointset_Powerset_Uint64_Box_const_iterator_end (ppl_const_Pointset_Powerset_Uint64_Box_t *ps*, ppl_Pointset_Powerset_Uint64_Box_const_iterator_t *psit*) [related]

7.145.2.5 int ppl_Pointset_Powerset_Uint64_Box_const_iterator_equal_test (ppl_const_Pointset_Powerset_Uint64_Box_const_iterator_t *x*, ppl_const_Pointset_Powerset_Uint64_Box_const_iterator_t *y*) [related]

7.145.2.6 int ppl_Pointset_Powerset_Uint64_Box_const_iterator_increment (ppl_Pointset_Powerset_Uint64_Box_const_iterator_t *psit*) [related]

7.145.2.7 int ppl_Pointset_Powerset_Uint64_Box_const_iterator_decrement (ppl_Pointset_Powerset_Uint64_Box_const_iterator_t *psit*) [related]

7.145.2.8 int ppl_Pointset_Powerset_Uint64_Box_const_iterator_dereference (ppl_const_Pointset_Powerset_Uint64_Box_const_iterator_t *ps*, ppl_const_Uint64_Box_t * *d*) [related]

7.145.2.9 int ppl_delete_Pointset_Powerset_Uint64_Box_const_iterator (ppl_const_Pointset_Powerset_Uint64_Box_const_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.146 ppl_Pointset_Powerset_Uint64_Box_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Uint64_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Uint64_Box_iterator (ppl_Pointset_Powerset_Uint64_Box_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Uint64_Box_iterator_from_iterator (ppl_Pointset_Powerset_Uint64_Box_iterator_t *px, ppl_const_Pointset_Powerset_Uint64_Box_iterator_t y)
- int ppl_Pointset_Powerset_Uint64_Box_iterator_begin (ppl_Pointset_Powerset_Uint64_Box_t ps, ppl_Pointset_Powerset_Uint64_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Uint64_Box_iterator_end (ppl_Pointset_Powerset_Uint64_Box_t ps, ppl_Pointset_Powerset_Uint64_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Uint64_Box_iterator_equal_test (ppl_const_Pointset_Powerset_Uint64_Box_iterator_t x, ppl_const_Pointset_Powerset_Uint64_Box_iterator_t y)
- int ppl_Pointset_Powerset_Uint64_Box_iterator_increment (ppl_Pointset_Powerset_Uint64_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Uint64_Box_iterator_decrement (ppl_Pointset_Powerset_Uint64_Box_iterator_t psit)

- int ppl_Pointset_Powerset_Uint64_Box_iterator_dereference (ppl_const_Pointset_Powerset_-Uint64_Box_iterator_t ps, ppl_const_Uint64_Box_t *d)
- int ppl_delete_Pointset_Powerset_Uint64_Box_iterator (ppl_const_Pointset_Powerset_Uint64_-Box_iterator_t psit)

7.146.1 Detailed Description

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Uint64_Box_tag.

7.146.2 Friends And Related Function Documentation

7.146.2.1 int ppl_new_Pointset_Powerset_Uint64_Box_iterator (ppl_Pointset_Powerset_Uint64_-Box_iterator_t * *pit*) [related]

7.146.2.2 int ppl_new_Pointset_Powerset_Uint64_Box_iterator_from_iterator (ppl_Pointset_Powerset_Uint64_Box_iterator_t * *px*, ppl_const_Pointset_Powerset_-Uint64_Box_iterator_t *y*) [related]

7.146.2.3 int ppl_Pointset_Powerset_Uint64_Box_iterator_begin (ppl_Pointset_-Powerset_Uint64_Box_t *ps*, ppl_Pointset_Powerset_Uint64_Box_iterator_t *psit*) [related]

7.146.2.4 int ppl_Pointset_Powerset_Uint64_Box_iterator_end (ppl_Pointset_Powerset_-Uint64_Box_t *ps*, ppl_Pointset_Powerset_Uint64_Box_iterator_t *psit*) [related]

7.146.2.5 int ppl_Pointset_Powerset_Uint64_Box_iterator_equal_test (ppl_const_Pointset_Powerset_Uint64_Box_iterator_t *x*, ppl_const_Pointset_Powerset_-Uint64_Box_iterator_t *y*) [related]

7.146.2.6 int ppl_Pointset_Powerset_Uint64_Box_iterator_increment (ppl_Pointset_Powerset_Uint64_Box_iterator_t *psit*) [related]

7.146.2.7 int ppl_Pointset_Powerset_Uint64_Box_iterator_decrement (ppl_Pointset_Powerset_Uint64_Box_iterator_t *psit*) [related]

7.146.2.8 int ppl_Pointset_Powerset_Uint64_Box_iterator_dereference (ppl_const_Pointset_Powerset_Uint64_Box_iterator_t *ps*, ppl_const_Uint64_Box_t * *d*) [related]

7.146.2.9 int ppl_delete_Pointset_Powerset_Uint64_Box_iterator (ppl_const_Pointset_Powerset_Uint64_Box_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.147 ppl_Pointset_Powerset_Uint64_Box_tag Interface Reference

Types and functions for ppl_Pointset_Powerset_Uint64_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Pointset_Powerset_Uint64_Box (ppl_const_Pointset_Powerset_Uint64_Box_t ph)
- int ppl_new_Pointset_Powerset_Uint64_Box_from_space_dimension (ppl_Pointset_Powerset_Uint64_Box_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Pointset_Powerset_Uint64_Box_from_Pointset_Powerset_Uint64_Box (ppl_Pointset_Powerset_Uint64_Box_t *pph, ppl_const_Pointset_Powerset_Uint64_Box_t ph)
- int ppl_new_Pointset_Powerset_Uint64_Box_from_Uint64_Box (ppl_Pointset_Powerset_Uint64_Box_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_Pointset_Powerset_Uint64_Box_from_Pointset_Powerset_Uint64_Box_with_complexity (ppl_Pointset_Powerset_Uint64_Box_t *pph, ppl_const_Pointset_Powerset_Uint64_Box_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Uint64_Box_from_Uint64_Box_with_complexity (ppl_Pointset_Powerset_Uint64_Box_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Uint64_Box_from_Constraint_System (ppl_Pointset_Powerset_Uint64_Box_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Pointset_Powerset_Uint64_Box_from_Congruence_System (ppl_Pointset_Powerset_Uint64_Box_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Uint64_Box_space_dimension (ppl_const_Pointset_Powerset_Uint64_Box_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Uint64_Box_affine_dimension (ppl_const_Pointset_Powerset_Uint64_Box_t ph, ppl_dimension_type *m)

- int ppl_Pointset_Powerset_Uint64_Box_relation_with_Constraint (ppl_const_Pointset_Powerset_Uint64_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Uint64_Box_relation_with_Generator (ppl_const_Pointset_Powerset_Uint64_Box_t ph, ppl_const_Generator_t c)
- int ppl_Pointset_Powerset_Uint64_Box_relation_with_Congruence (ppl_const_Pointset_Powerset_Uint64_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Uint64_Box_is_empty (ppl_const_Pointset_Powerset_Uint64_Box_t ph)
- int ppl_Pointset_Powerset_Uint64_Box_is_universe (ppl_const_Pointset_Powerset_Uint64_Box_t ph)
- int ppl_Pointset_Powerset_Uint64_Box_is_bounded (ppl_const_Pointset_Powerset_Uint64_Box_t ph)
- int ppl_Pointset_Powerset_Uint64_Box_contains_integer_point (ppl_const_Pointset_Powerset_Uint64_Box_t ph)
- int ppl_Pointset_Powerset_Uint64_Box_is_topologically_closed (ppl_const_Pointset_Powerset_Uint64_Box_t ph)
- int ppl_Pointset_Powerset_Uint64_Box_is_discrete (ppl_const_Pointset_Powerset_Uint64_Box_t ph)
- int ppl_Pointset_Powerset_Uint64_Box_topological_closure_assign (ppl_Pointset_Powerset_Uint64_Box_t ph)
- int ppl_Pointset_Powerset_Uint64_Box_pairwise_reduce (ppl_Pointset_Powerset_Uint64_Box_t ph)
- int ppl_Pointset_Powerset_Uint64_Box_omega_reduce (ppl_Pointset_Powerset_Uint64_Box_t ph)
- int ppl_Pointset_Powerset_Uint64_Box_bounds_from_above (ppl_const_Pointset_Powerset_Uint64_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Uint64_Box_bounds_from_below (ppl_const_Pointset_Powerset_Uint64_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Uint64_Box_maximize (ppl_const_Pointset_Powerset_Uint64_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Uint64_Box_minimize (ppl_const_Pointset_Powerset_Uint64_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Uint64_Box_maximize_with_point (ppl_const_Pointset_Powerset_Uint64_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Uint64_Box_minimize_with_point (ppl_const_Pointset_Powerset_Uint64_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Uint64_Box_contains_Pointset_Powerset_Uint64_Box (ppl_const_Pointset_Powerset_Uint64_Box_t x, ppl_const_Pointset_Powerset_Uint64_Box_t y)
- int ppl_Pointset_Powerset_Uint64_Box_strictly_contains_Pointset_Powerset_Uint64_Box (ppl_const_Pointset_Powerset_Uint64_Box_t x, ppl_const_Pointset_Powerset_Uint64_Box_t y)
- int ppl_Pointset_Powerset_Uint64_Box_is_disjoint_from_Pointset_Powerset_Uint64_Box (ppl_const_Pointset_Powerset_Uint64_Box_t x, ppl_const_Pointset_Powerset_Uint64_Box_t y)
- int ppl_Pointset_Powerset_Uint64_Box_geometrically_covers_Pointset_Powerset_Uint64_Box (ppl_const_Pointset_Powerset_Uint64_Box_t x, ppl_const_Pointset_Powerset_Uint64_Box_t y)
- int ppl_Pointset_Powerset_Uint64_Box_geometrically_equals_Pointset_Powerset_Uint64_Box (ppl_const_Pointset_Powerset_Uint64_Box_t x, ppl_const_Pointset_Powerset_Uint64_Box_t y)
- int ppl_Pointset_Powerset_Uint64_Box_equals_Pointset_Powerset_Uint64_Box (ppl_const_Pointset_Powerset_Uint64_Box_t x, ppl_const_Pointset_Powerset_Uint64_Box_t y)
- int ppl_Pointset_Powerset_Uint64_Box_OK (ppl_const_Pointset_Powerset_Uint64_Box_t ph)

- int ppl_Pointset_Powerset_Uint64_Box_add_constraint (ppl_Pointset_Powerset_Uint64_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Uint64_Box_add_congruence (ppl_Pointset_Powerset_Uint64_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Uint64_Box_add_constraints (ppl_Pointset_Powerset_Uint64_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Uint64_Box_add_congruences (ppl_Pointset_Powerset_Uint64_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Uint64_Box_refine_with_constraint (ppl_Pointset_Powerset_Uint64_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Uint64_Box_refine_with_congruence (ppl_Pointset_Powerset_Uint64_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Uint64_Box_refine_with_constraints (ppl_Pointset_Powerset_Uint64_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Uint64_Box_refine_with_congruences (ppl_Pointset_Powerset_Uint64_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Uint64_Box_intersection_assign (ppl_Pointset_Powerset_Uint64_Box_t x, ppl_const_Pointset_Powerset_Uint64_Box_t y)
- int ppl_Pointset_Powerset_Uint64_Box_upper_bound_assign (ppl_Pointset_Powerset_Uint64_Box_t x, ppl_const_Pointset_Powerset_Uint64_Box_t y)
- int ppl_Pointset_Powerset_Uint64_Box_difference_assign (ppl_Pointset_Powerset_Uint64_Box_t x, ppl_const_Pointset_Powerset_Uint64_Box_t y)
- int ppl_Pointset_Powerset_Uint64_Box_concatenate_assign (ppl_Pointset_Powerset_Uint64_Box_t x, ppl_const_Pointset_Powerset_Uint64_Box_t y)
- int ppl_Pointset_Powerset_Uint64_Box_time_elapse_assign (ppl_Pointset_Powerset_Uint64_Box_t x, ppl_const_Pointset_Powerset_Uint64_Box_t y)
- int ppl_Pointset_Powerset_Uint64_Box_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Uint64_Box_t x, ppl_const_Pointset_Powerset_Uint64_Box_t y)
- int ppl_Pointset_Powerset_Uint64_Box_simplify_using_context_assign (ppl_Pointset_Powerset_Uint64_Box_t x, ppl_const_Pointset_Powerset_Uint64_Box_t y)
- int ppl_Pointset_Powerset_Uint64_Box_constrains (ppl_Pointset_Powerset_Uint64_Box_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Uint64_Box_unconstrain_space_dimension (ppl_Pointset_Powerset_Uint64_Box_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Uint64_Box_unconstrain_space_dimensions (ppl_Pointset_Powerset_Uint64_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Uint64_Box_affine_image (ppl_Pointset_Powerset_Uint64_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Uint64_Box_affine_preimage (ppl_Pointset_Powerset_Uint64_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Uint64_Box_bounded_affine_image (ppl_Pointset_Powerset_Uint64_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Uint64_Box_bounded_affine_preimage (ppl_Pointset_Powerset_Uint64_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Uint64_Box_generalized_affine_image (ppl_Pointset_Powerset_Uint64_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Uint64_Box_generalized_affine_preimage (ppl_Pointset_Powerset_Uint64_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)

- int ppl_Pointset_Powerset_Uint64_Box_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Uint64_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Uint64_Box_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Uint64_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Uint64_Box_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Uint64_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Uint64_Box_add_space_dimensions_and_project (ppl_Pointset_Powerset_Uint64_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Uint64_Box_remove_space_dimensions (ppl_Pointset_Powerset_Uint64_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Uint64_Box_remove_higher_space_dimensions (ppl_Pointset_Powerset_Uint64_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Uint64_Box_expand_space_dimension (ppl_Pointset_Powerset_Uint64_Box_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Pointset_Powerset_Uint64_Box_fold_space_dimensions (ppl_Pointset_Powerset_Uint64_Box_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Uint64_Box_map_space_dimensions (ppl_Pointset_Powerset_Uint64_Box_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Pointset_Powerset_Uint64_Box_drop_some_non_integer_points (ppl_Pointset_Powerset_Uint64_Box_t ph, int complexity)
- int ppl_Pointset_Powerset_Uint64_Box_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Uint64_Box_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Pointset_Powerset_Uint64_Box_external_memory_in_bytes (ppl_const_Pointset_Powerset_Uint64_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Uint64_Box_total_memory_in_bytes (ppl_const_Pointset_Powerset_Uint64_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Uint64_Box_size (ppl_const_Pointset_Powerset_Uint64_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Uint64_Box_add_disjunct (ppl_Pointset_Powerset_Uint64_Box_t ps, ppl_const_Uint64_Box_t d)
- int ppl_Pointset_Powerset_Uint64_Box_drop_disjunct (ppl_Pointset_Powerset_Uint64_Box_t ps, ppl_const_Pointset_Powerset_Uint64_Box_iterator_t cit, ppl_Pointset_Powerset_Uint64_Box_iterator_t it)
- int ppl_Pointset_Powerset_Uint64_Box_drop_disjuncts (ppl_Pointset_Powerset_Uint64_Box_t ps, ppl_const_Pointset_Powerset_Uint64_Box_iterator_t first, ppl_const_Pointset_Powerset_Uint64_Box_iterator_t last)
- int ppl_io_print_Pointset_Powerset_Uint64_Box (ppl_const_Pointset_Powerset_Uint64_Box_t x)
- int ppl_io_fprint_Pointset_Powerset_Uint64_Box (FILE *stream, ppl_const_Pointset_Powerset_Uint64_Box_t x)
- int ppl_io_asprint_Pointset_Powerset_Uint64_Box (char **strp, ppl_const_Pointset_Powerset_Uint64_Box_t x)
- int ppl_Pointset_Powerset_Uint64_Box_ascii_dump (ppl_const_Pointset_Powerset_Uint64_Box_t x, FILE *stream)
- int ppl_Pointset_Powerset_Uint64_Box_ascii_load (ppl_Pointset_Powerset_Uint64_Box_t x, FILE *stream)

7.147.1 Detailed Description

Types and functions for ppl_Pointset_Powerset_Uint64_Box_tag.

7.147.2 Friends And Related Function Documentation

7.147.2.1 int ppl_delete_Pointset_Powerset_Uint64_Box (ppl_const_Pointset_Powerset_Uint64_Box_t *ph*) [related]

7.147.2.2 int ppl_new_Pointset_Powerset_Uint64_Box_from_space_dimension (ppl_Pointset_Powerset_Uint64_Box_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.147.2.3 int ppl_new_Pointset_Powerset_Uint64_Box_from_Pointset_Powerset_Uint64_Box (ppl_Pointset_Powerset_Uint64_Box_t * *pph*, ppl_const_Pointset_Powerset_Uint64_Box_t *ph*) [related]

7.147.2.4 int ppl_new_Pointset_Powerset_Uint64_Box_from_Uint64_Box (ppl_Pointset_Powerset_Uint64_Box_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.147.2.5 int ppl_new_Pointset_Powerset_Uint64_Box_from_Pointset_Powerset_Uint64_Box_with_complexity (ppl_Pointset_Powerset_Uint64_Box_t * *pph*, ppl_const_Pointset_Powerset_Uint64_Box_t *ph*, int *complexity*) [related]

7.147.2.6 int ppl_new_Pointset_Powerset_Uint64_Box_from_Uint64_Box_with_complexity (ppl_Pointset_Powerset_Uint64_Box_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.147.2.7 int ppl_new_Pointset_Powerset_Uint64_Box_from_Constraint_System (ppl_Pointset_Powerset_Uint64_Box_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.147.2.8 int ppl_new_Pointset_Powerset_Uint64_Box_from_Congruence_System (ppl_Pointset_Powerset_Uint64_Box_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.147.2.9 int ppl_Pointset_Powerset_Uint64_Box_space_dimension (ppl_const_Pointset_Powerset_Uint64_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.147.2.10 int ppl_Pointset_Powerset_Uint64_Box_affine_dimension (ppl_const_Pointset_Powerset_Uint64_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.147.2.11 int ppl_Pointset_Powerset_Uint64_Box_relation_with_Constraint (ppl_const_Pointset_Powerset_Uint64_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.147.2.12 int ppl_Pointset_Powerset_Uint64_Box_relation_with_Generator (ppl_const_Pointset_Powerset_Uint64_Box_t *ph*, ppl_const_Generator_t *c*) [related]

7.147.2.13 int ppl_Pointset_Powerset_Uint64_Box_relation_with_Congruence (ppl_const_Pointset_Powerset_Uint64_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.147.2.14 int ppl_Pointset_Powerset_Uint64_Box_is_empty (ppl_const_Pointset_Powerset_Uint64_Box_t *ph*) [related]

7.147.2.15 int ppl_Pointset_Powerset_Uint64_Box_is_universe (ppl_const_Pointset_Powerset_Uint64_Box_t *ph*) [related]

7.147.2.16 int ppl_Pointset_Powerset_Uint64_Box_is_bounded (ppl_const_Pointset_Powerset_Uint64_Box_t *ph*) [related]

7.147.2.17 int ppl_Pointset_Powerset_Uint64_Box_contains_integer_point (ppl_const_Pointset_Powerset_Uint64_Box_t *ph*) [related]

7.147.2.18 int ppl_Pointset_Powerset_Uint64_Box_is_topologically_closed (ppl_const_Pointset_Powerset_Uint64_Box_t *ph*) [related]

7.147.2.19 int ppl_Pointset_Powerset_Uint64_Box_is_discrete (ppl_const_Pointset_Powerset_Uint64_Box_t *ph*) [related]

7.147.2.20 int ppl_Pointset_Powerset_Uint64_Box_topological_closure_assign (ppl_Pointset_Powerset_Uint64_Box_t *ph*) [related]

7.147.2.21 int ppl_Pointset_Powerset_Uint64_Box_pairwise_reduce (ppl_Pointset_Powerset_Uint64_Box_t *ph*) [related]

7.147.2.22 int ppl_Pointset_Powerset_Uint64_Box_omega_reduce (ppl_Pointset_Powerset_Uint64_Box_t *ph*) [related]

7.147.2.23 int ppl_Pointset_Powerset_Uint64_Box_bounds_from_above (ppl_const_Pointset_Powerset_Uint64_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.147.2.24 int ppl_Pointset_Powerset_Uint64_Box_bounds_from_below (ppl_const_Pointset_Powerset_Uint64_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.147.2.25 int ppl_Pointset_Powerset_Uint64_Box_maximize (ppl_const_Pointset_Powerset_Uint64_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.147.2.26 int ppl_Pointset_Powerset_Uint64_Box_minimize (ppl_const_Pointset_Powerset_Uint64_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.147.2.27 int ppl_Pointset_Powerset_Uint64_Box_maximize_with_point (ppl_const_Pointset_Powerset_Uint64_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.147.2.28 int ppl_Pointset_Powerset_Uint64_Box_minimize_with_point (ppl_const_Pointset_Powerset_Uint64_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.147.2.29 int ppl_Pointset_Powerset_Uint64_Box_contains_Pointset_Powerset_Uint64_Box (ppl_const_Pointset_Powerset_Uint64_Box_t *x*, ppl_const_Pointset_Powerset_Uint64_Box_t *y*) [related]

7.147.2.30 int ppl_Pointset_Powerset_Uint64_Box_strictly_contains_Pointset_Powerset_Uint64_Box (ppl_const_Pointset_Powerset_Uint64_Box_t *x*, ppl_const_Pointset_Powerset_Uint64_Box_t *y*) [related]

7.147.2.31 int ppl_Pointset_Powerset_Uint64_Box_is_disjoint_from_Pointset_Powerset_Uint64_Box (ppl_const_Pointset_Powerset_Uint64_Box_t *x*, ppl_const_Pointset_Powerset_Uint64_Box_t *y*) [related]

7.147.2.32 int ppl_Pointset_Powerset_Uint64_Box_geometrically_covers_Pointset_Powerset_Uint64_Box (ppl_const_Pointset_Powerset_Uint64_Box_t *x*, ppl_const_Pointset_Powerset_Uint64_Box_t *y*) [related]

7.147.2.33 int ppl_Pointset_Powerset_Uint64_Box_geometrically_equals_Pointset_Powerset_Uint64_Box (ppl_const_Pointset_Powerset_Uint64_Box_t *x*, ppl_const_Pointset_Powerset_Uint64_Box_t *y*) [related]

7.147.2.34 int ppl_Pointset_Powerset_Uint64_Box_equals_Pointset_Powerset_Uint64_Box (ppl_const_Pointset_Powerset_Uint64_Box_t *x*, ppl_const_Pointset_Powerset_Uint64_Box_t *y*) [related]

7.147.2.35 int ppl_Pointset_Powerset_Uint64_Box_OK (ppl_const_Pointset_Powerset_Uint64_Box_t *ph*) [related]

7.147.2.36 int ppl_Pointset_Powerset_Uint64_Box_add_constraint (ppl_Pointset_Powerset_Uint64_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.147.2.37 int ppl_Pointset_Powerset_Uint64_Box_add_congruence (ppl_Pointset_Powerset_Uint64_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.147.2.38 int ppl_Pointset_Powerset_Uint64_Box_add_constraints (ppl_Pointset_Powerset_Uint64_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.147.2.39 int ppl_Pointset_Powerset_Uint64_Box_add_congruences (ppl_Pointset_Powerset_Uint64_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.147.2.40 int ppl_Pointset_Powerset_Uint64_Box_refine_with_constraint (ppl_Pointset_Powerset_Uint64_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.147.2.41 int ppl_Pointset_Powerset_Uint64_Box_refine_with_congruence (ppl_Pointset_Powerset_Uint64_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.147.2.42 int ppl_Pointset_Powerset_Uint64_Box_refine_with_constraints (ppl_Pointset_Powerset_Uint64_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.147.2.43 int ppl_Pointset_Powerset_Uint64_Box_refine_with_congruences (ppl_Pointset_Powerset_Uint64_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.147.2.44 int ppl_Pointset_Powerset_Uint64_Box_intersection_assign (ppl_Pointset_Powerset_Uint64_Box_t *x*, ppl_const_Pointset_Powerset_Uint64_Box_t *y*) [related]

7.147.2.45 int ppl_Pointset_Powerset_Uint64_Box_upper_bound_assign (ppl_Pointset_Powerset_Uint64_Box_t *x*, ppl_const_Pointset_Powerset_Uint64_Box_t *y*) [related]

7.147.2.46 int ppl_Pointset_Powerset_Uint64_Box_difference_assign (ppl_Pointset_Powerset_Uint64_Box_t *x*, ppl_const_Pointset_Powerset_Uint64_Box_t *y*) [related]

7.147.2.47 int ppl_Pointset_Powerset_Uint64_Box_concatenate_assign (ppl_Pointset_Powerset_Uint64_Box_t *x*, ppl_const_Pointset_Powerset_Uint64_Box_t *y*) [related]

7.147.2.48 int ppl_Pointset_Powerset_Uint64_Box_time_elapse_assign (ppl_Pointset_Powerset_Uint64_Box_t *x*, ppl_const_Pointset_Powerset_Uint64_Box_t *y*) [related]

7.147.2.49 int ppl_Pointset_Powerset_Uint64_Box_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Uint64_Box_t *x*, ppl_const_Pointset_Powerset_Uint64_Box_t *y*) [related]

7.147.2.50 int ppl_Pointset_Powerset_Uint64_Box_simplify_using_context_assign (ppl_Pointset_Powerset_Uint64_Box_t *x*, ppl_const_Pointset_Powerset_Uint64_Box_t *y*) [related]

7.147.2.51 int ppl_Pointset_Powerset_Uint64_Box_constrains (ppl_Pointset_Powerset_Uint64_Box_t *ph*, ppl_dimension_type *var*) [related]

7.147.2.52 int ppl_Pointset_Powerset_Uint64_Box_unconstrain_space_dimension (ppl_Pointset_Powerset_Uint64_Box_t *ph*, ppl_dimension_type *var*) [related]

7.147.2.53 int ppl_Pointset_Powerset_Uint64_Box_unconstrain_space_dimensions (ppl_Pointset_Powerset_Uint64_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.147.2.54 int ppl_Pointset_Powerset_Uint64_Box_affine_image (ppl_Pointset_Powerset_Uint64_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.147.2.55 int ppl_Pointset_Powerset_Uint64_Box_affine_preimage (ppl_Pointset_Powerset_Uint64_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.147.2.56 int ppl_Pointset_Powerset_Uint64_Box_bounded_affine_image (ppl_Pointset_Powerset_Uint64_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.147.2.57 int ppl_Pointset_Powerset_Uint64_Box_bounded_affine_preimage (ppl_Pointset_Powerset_Uint64_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.147.2.58 int ppl_Pointset_Powerset_Uint64_Box_generalized_affine_image (ppl_Pointset_Powerset_Uint64_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.147.2.59 int ppl_Pointset_Powerset_Uint64_Box_generalized_affine_preimage (ppl_Pointset_Powerset_Uint64_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.147.2.60 int ppl_Pointset_Powerset_Uint64_Box_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Uint64_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.147.2.61 int ppl_Pointset_Powerset_Uint64_Box_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Uint64_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.147.2.62 int ppl_Pointset_Powerset_Uint64_Box_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Uint64_Box_t *ph*, ppl_dimension_type *d*) [related]

7.147.2.63 int ppl_Pointset_Powerset_Uint64_Box_add_space_dimensions_and_project (ppl_Pointset_Powerset_Uint64_Box_t *ph*, ppl_dimension_type *d*) [related]

7.147.2.64 int ppl_Pointset_Powerset_Uint64_Box_remove_space_dimensions (ppl_Pointset_Powerset_Uint64_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.147.2.65 int ppl_Pointset_Powerset_Uint64_Box_remove_higher_space_dimensions (ppl_Pointset_Powerset_Uint64_Box_t *ph*, ppl_dimension_type *d*) [related]

7.147.2.66 int ppl_Pointset_Powerset_Uint64_Box_expand_space_dimension (ppl_Pointset_Powerset_Uint64_Box_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.147.2.67 int ppl_Pointset_Powerset_Uint64_Box_fold_space_dimensions (ppl_Pointset_Powerset_Uint64_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.147.2.68 int ppl_Pointset_Powerset_Uint64_Box_map_space_dimensions (ppl_Pointset_Powerset_Uint64_Box_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.147.2.69 int ppl_Pointset_Powerset_Uint64_Box_drop_some_non_integer_points (ppl_Pointset_Powerset_Uint64_Box_t *ph*, int *complexity*) [related]

7.147.2.70 int ppl_Pointset_Powerset_Uint64_Box_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Uint64_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.147.2.71 int ppl_Pointset_Powerset_Uint64_Box_external_memory_in_bytes (ppl_const_Pointset_Powerset_Uint64_Box_t *ps*, size_t * *sz*) [related]

7.147.2.72 int ppl_Pointset_Powerset_Uint64_Box_total_memory_in_bytes (ppl_const_Pointset_Powerset_Uint64_Box_t *ps*, size_t * *sz*) [related]

7.147.2.73 int ppl_Pointset_Powerset_Uint64_Box_size (ppl_const_Pointset_Powerset_Uint64_Box_t *ps*, size_t * *sz*) [related]

7.147.2.74 int ppl_Pointset_Powerset_Uint64_Box_add_disjunct (ppl_Pointset_Powerset_Uint64_Box_t *ps*, ppl_const_Uint64_Box_t *d*) [related]

7.147.2.75 int ppl_Pointset_Powerset_Uint64_Box_drop_disjunct (ppl_Pointset_Powerset_Uint64_Box_t *ps*, ppl_const_Pointset_Powerset_Uint64_Box_iterator_t *cit*, ppl_Pointset_Powerset_Uint64_Box_iterator_t *it*) [related]

7.147.2.76 int ppl_Pointset_Powerset_Uint64_Box_drop_disjuncts (ppl_Pointset_Powerset_Uint64_Box_t *ps*, ppl_const_Pointset_Powerset_Uint64_Box_iterator_t *first*, ppl_const_Pointset_Powerset_Uint64_Box_iterator_t *last*) [related]

7.147.2.77 int ppl_io_print_Pointset_Powerset_Uint64_Box (ppl_const_Pointset_Powerset_Uint64_Box_t *x*) [related]

7.147.2.78 int ppl_io_fprint_Pointset_Powerset_Uint64_Box (FILE * *stream*, ppl_const_Pointset_Powerset_Uint64_Box_t *x*) [related]

7.147.2.79 int ppl_io_asprint_Pointset_Powerset_Uint64_Box (char ** *strp*, ppl_const_Pointset_Powerset_Uint64_Box_t *x*) [related]

7.147.2.80 int ppl_Pointset_Powerset_Uint64_Box_ascii_dump (ppl_const_Pointset_Powerset_Uint64_Box_t *x*, FILE * *stream*) [related]

7.147.2.81 int ppl_Pointset_Powerset_Uint64_Box_ascii_load (ppl_Pointset_Powerset_Uint64_Box_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.148 ppl_Pointset_Powerset_Uint8_Box_const_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Uint8_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Uint8_Box_const_iterator (ppl_Pointset_Powerset_Uint8_Box_const_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Uint8_Box_const_iterator_from_const_iterator (ppl_Pointset_Powerset_Uint8_Box_const_iterator_t *px, ppl_const_Pointset_Powerset_Uint8_Box_const_iterator_t y)
- int ppl_Pointset_Powerset_Uint8_Box_const_iterator_begin (ppl_const_Pointset_Powerset_Uint8_Box_t ps, ppl_Pointset_Powerset_Uint8_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Uint8_Box_const_iterator_end (ppl_const_Pointset_Powerset_Uint8_Box_t ps, ppl_Pointset_Powerset_Uint8_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Uint8_Box_const_iterator_equal_test (ppl_const_Pointset_Powerset_Uint8_Box_const_iterator_t x, ppl_const_Pointset_Powerset_Uint8_Box_const_iterator_t y)
- int ppl_Pointset_Powerset_Uint8_Box_const_iterator_increment (ppl_Pointset_Powerset_Uint8_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Uint8_Box_const_iterator_decrement (ppl_Pointset_Powerset_Uint8_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Uint8_Box_const_iterator_dereference (ppl_const_Pointset_Powerset_Uint8_Box_const_iterator_t ps, ppl_const_Uint8_Box_t *d)
- int ppl_delete_Pointset_Powerset_Uint8_Box_const_iterator (ppl_const_Pointset_Powerset_Uint8_Box_const_iterator_t psit)

7.148.1 Detailed Description

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Uint8_Box_tag.

7.148.2 Friends And Related Function Documentation

7.148.2.1 int ppl_new_Pointset_Powerset_Uint8_Box_const_iterator (ppl_Pointset_Powerset_Uint8_Box_const_iterator_t * *pit*) [related]

7.148.2.2 int ppl_new_Pointset_Powerset_Uint8_Box_const_iterator_from_const_iterator (ppl_Pointset_Powerset_Uint8_Box_const_iterator_t * *px*, ppl_const_Pointset_Powerset_Uint8_Box_const_iterator_t *y*) [related]

7.148.2.3 int ppl_Pointset_Powerset_Uint8_Box_const_iterator_begin (ppl_const_Pointset_Powerset_Uint8_Box_t *ps*, ppl_Pointset_Powerset_Uint8_Box_const_iterator_t *psit*) [related]

7.148.2.4 int ppl_Pointset_Powerset_Uint8_Box_const_iterator_end (ppl_const_Pointset_Powerset_Uint8_Box_t *ps*, ppl_Pointset_Powerset_Uint8_Box_const_iterator_t *psit*) [related]

7.148.2.5 int ppl_Pointset_Powerset_Uint8_Box_const_iterator_equal_test (ppl_const_Pointset_Powerset_Uint8_Box_const_iterator_t *x*, ppl_const_Pointset_Powerset_Uint8_Box_const_iterator_t *y*) [related]

7.148.2.6 int ppl_Pointset_Powerset_Uint8_Box_const_iterator_increment (ppl_Pointset_Powerset_Uint8_Box_const_iterator_t *psit*) [related]

7.148.2.7 int ppl_Pointset_Powerset_Uint8_Box_const_iterator_decrement (ppl_Pointset_Powerset_Uint8_Box_const_iterator_t *psit*) [related]

7.148.2.8 int ppl_Pointset_Powerset_Uint8_Box_const_iterator_dereference (ppl_const_Pointset_Powerset_Uint8_Box_const_iterator_t *ps*, ppl_const_Uint8_Box_t * *d*) [related]

7.148.2.9 int ppl_delete_Pointset_Powerset_Uint8_Box_const_iterator (ppl_const_Pointset_Powerset_Uint8_Box_const_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.149 ppl_Pointset_Powerset_Uint8_Box_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Uint8_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Uint8_Box_iterator (ppl_Pointset_Powerset_Uint8_Box_iterator_t *pit)

- int ppl_new_Pointset_Powerset_Uint8_Box_iterator_from_iterator (ppl_Pointset_Powerset_Uint8_Box_iterator_t *px, ppl_const_Pointset_Powerset_Uint8_Box_iterator_t y)
- int ppl_Pointset_Powerset_Uint8_Box_iterator_begin (ppl_Pointset_Powerset_Uint8_Box_t ps, ppl_Pointset_Powerset_Uint8_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Uint8_Box_iterator_end (ppl_Pointset_Powerset_Uint8_Box_t ps, ppl_Pointset_Powerset_Uint8_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Uint8_Box_iterator_equal_test (ppl_const_Pointset_Powerset_Uint8_Box_iterator_t x, ppl_const_Pointset_Powerset_Uint8_Box_iterator_t y)
- int ppl_Pointset_Powerset_Uint8_Box_iterator_increment (ppl_Pointset_Powerset_Uint8_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Uint8_Box_iterator_decrement (ppl_Pointset_Powerset_Uint8_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Uint8_Box_iterator_dereference (ppl_const_Pointset_Powerset_Uint8_Box_iterator_t ps, ppl_const_Uint8_Box_t *d)
- int ppl_delete_Pointset_Powerset_Uint8_Box_iterator (ppl_const_Pointset_Powerset_Uint8_Box_iterator_t psit)

7.149.1 Detailed Description

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Uint8_Box_tag.

7.149.2 Friends And Related Function Documentation

7.149.2.1 int ppl_new_Pointset_Powerset_Uint8_Box_iterator (ppl_Pointset_Powerset_Uint8_Box_iterator_t * *pit*) [related]

7.149.2.2 int ppl_new_Pointset_Powerset_Uint8_Box_iterator_from_iterator (ppl_Pointset_Powerset_Uint8_Box_iterator_t * *px*, ppl_const_Pointset_Powerset_Uint8_Box_iterator_t *y*) [related]

7.149.2.3 int ppl_Pointset_Powerset_Uint8_Box_iterator_begin (ppl_Pointset_Powerset_Uint8_Box_t *ps*, ppl_Pointset_Powerset_Uint8_Box_iterator_t *psit*) [related]

7.149.2.4 int ppl_Pointset_Powerset_Uint8_Box_iterator_end (ppl_Pointset_Powerset_Uint8_Box_t *ps*, ppl_Pointset_Powerset_Uint8_Box_iterator_t *psit*) [related]

7.149.2.5 int ppl_Pointset_Powerset_Uint8_Box_iterator_equal_test (ppl_const_Pointset_Powerset_Uint8_Box_iterator_t *x*, ppl_const_Pointset_Powerset_Uint8_Box_iterator_t *y*) [related]

7.149.2.6 int ppl_Pointset_Powerset_Uint8_Box_iterator_increment (ppl_Pointset_Powerset_Uint8_Box_iterator_t *psit*) [related]

7.149.2.7 int ppl_Pointset_Powerset_Uint8_Box_iterator_decrement (ppl_Pointset_Powerset_Uint8_Box_iterator_t *psit*) [related]

7.149.2.8 int ppl_Pointset_Powerset_Uint8_Box_iterator_dereference (ppl_const_Pointset_Powerset_Uint8_Box_iterator_t *ps*, ppl_const_Uint8_Box_t * *d*) [related]

7.149.2.9 int ppl_delete_Pointset_Powerset_Uint8_Box_iterator (ppl_const_Pointset_Powerset_Uint8_Box_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.150 ppl_Pointset_Powerset_Uint8_Box_tag Interface Reference

Types and functions for ppl_Pointset_Powerset_Uint8_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Pointset_Powerset_Uint8_Box (ppl_const_Pointset_Powerset_Uint8_Box_t ph)
- int ppl_new_Pointset_Powerset_Uint8_Box_from_space_dimension (ppl_Pointset_Powerset_Uint8_Box_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Pointset_Powerset_Uint8_Box_from_Pointset_Powerset_Uint8_Box (ppl_Pointset_Powerset_Uint8_Box_t *pph, ppl_const_Pointset_Powerset_Uint8_Box_t ph)
- int ppl_new_Pointset_Powerset_Uint8_Box_from_Uint8_Box (ppl_Pointset_Powerset_Uint8_Box_t *pph, ppl_const_Uint8_Box_t ph)

- int ppl_new_Pointset_Powerset_Uint8_Box_from_Pointset_Powerset_Uint8_Box_with_complexity (ppl_Pointset_Powerset_Uint8_Box_t *pph, ppl_const_Pointset_Powerset_Uint8_Box_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Uint8_Box_from_Uint8_Box_with_complexity (ppl_Pointset_Powerset_Uint8_Box_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Uint8_Box_from_Constraint_System (ppl_Pointset_Powerset_Uint8_Box_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Pointset_Powerset_Uint8_Box_from_Congruence_System (ppl_Pointset_Powerset_Uint8_Box_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Uint8_Box_space_dimension (ppl_const_Pointset_Powerset_Uint8_Box_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Uint8_Box_affine_dimension (ppl_const_Pointset_Powerset_Uint8_Box_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Uint8_Box_relation_with_Constraint (ppl_const_Pointset_Powerset_Uint8_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Uint8_Box_relation_with_Generator (ppl_const_Pointset_Powerset_Uint8_Box_t ph, ppl_const_Generator_t c)
- int ppl_Pointset_Powerset_Uint8_Box_relation_with_Congruence (ppl_const_Pointset_Powerset_Uint8_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Uint8_Box_is_empty (ppl_const_Pointset_Powerset_Uint8_Box_t ph)
- int ppl_Pointset_Powerset_Uint8_Box_is_universe (ppl_const_Pointset_Powerset_Uint8_Box_t ph)
- int ppl_Pointset_Powerset_Uint8_Box_is_bounded (ppl_const_Pointset_Powerset_Uint8_Box_t ph)
- int ppl_Pointset_Powerset_Uint8_Box_contains_integer_point (ppl_const_Pointset_Powerset_Uint8_Box_t ph)
- int ppl_Pointset_Powerset_Uint8_Box_is_topologically_closed (ppl_const_Pointset_Powerset_Uint8_Box_t ph)
- int ppl_Pointset_Powerset_Uint8_Box_is_discrete (ppl_const_Pointset_Powerset_Uint8_Box_t ph)
- int ppl_Pointset_Powerset_Uint8_Box_topological_closure_assign (ppl_Pointset_Powerset_Uint8_Box_t ph)
- int ppl_Pointset_Powerset_Uint8_Box_pairwise_reduce (ppl_Pointset_Powerset_Uint8_Box_t ph)
- int ppl_Pointset_Powerset_Uint8_Box_omega_reduce (ppl_Pointset_Powerset_Uint8_Box_t ph)
- int ppl_Pointset_Powerset_Uint8_Box_bounds_from_above (ppl_const_Pointset_Powerset_Uint8_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Uint8_Box_bounds_from_below (ppl_const_Pointset_Powerset_Uint8_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Uint8_Box_maximize (ppl_const_Pointset_Powerset_Uint8_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Uint8_Box_minimize (ppl_const_Pointset_Powerset_Uint8_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Uint8_Box_maximize_with_point (ppl_const_Pointset_Powerset_Uint8_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Uint8_Box_minimize_with_point (ppl_const_Pointset_Powerset_Uint8_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Uint8_Box_contains_Pointset_Powerset_Uint8_Box (ppl_const_Pointset_Powerset_Uint8_Box_t x, ppl_const_Pointset_Powerset_Uint8_Box_t y)
- int ppl_Pointset_Powerset_Uint8_Box_strictly_contains_Pointset_Powerset_Uint8_Box (ppl_const_Pointset_Powerset_Uint8_Box_t x, ppl_const_Pointset_Powerset_Uint8_Box_t y)
- int ppl_Pointset_Powerset_Uint8_Box_is_disjoint_from_Pointset_Powerset_Uint8_Box (ppl_const_Pointset_Powerset_Uint8_Box_t x, ppl_const_Pointset_Powerset_Uint8_Box_t y)

- int ppl_Pointset_Powerset_Uint8_Box_geometrically_covers_Pointset_Powerset_Uint8_Box (ppl_const_Pointset_Powerset_Uint8_Box_t x, ppl_const_Pointset_Powerset_Uint8_Box_t y)
- int ppl_Pointset_Powerset_Uint8_Box_geometrically_equals_Pointset_Powerset_Uint8_Box (ppl_const_Pointset_Powerset_Uint8_Box_t x, ppl_const_Pointset_Powerset_Uint8_Box_t y)
- int ppl_Pointset_Powerset_Uint8_Box_equals_Pointset_Powerset_Uint8_Box (ppl_const_Pointset_Powerset_Uint8_Box_t x, ppl_const_Pointset_Powerset_Uint8_Box_t y)
- int ppl_Pointset_Powerset_Uint8_Box_OK (ppl_const_Pointset_Powerset_Uint8_Box_t ph)
- int ppl_Pointset_Powerset_Uint8_Box_add_constraint (ppl_Pointset_Powerset_Uint8_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Uint8_Box_add_congruence (ppl_Pointset_Powerset_Uint8_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Uint8_Box_add_constraints (ppl_Pointset_Powerset_Uint8_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Uint8_Box_add_congruences (ppl_Pointset_Powerset_Uint8_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Uint8_Box_refine_with_constraint (ppl_Pointset_Powerset_Uint8_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Uint8_Box_refine_with_congruence (ppl_Pointset_Powerset_Uint8_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Uint8_Box_refine_with_constraints (ppl_Pointset_Powerset_Uint8_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Uint8_Box_refine_with_congruences (ppl_Pointset_Powerset_Uint8_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Uint8_Box_intersection_assign (ppl_Pointset_Powerset_Uint8_Box_t x, ppl_const_Pointset_Powerset_Uint8_Box_t y)
- int ppl_Pointset_Powerset_Uint8_Box_upper_bound_assign (ppl_Pointset_Powerset_Uint8_Box_t x, ppl_const_Pointset_Powerset_Uint8_Box_t y)
- int ppl_Pointset_Powerset_Uint8_Box_difference_assign (ppl_Pointset_Powerset_Uint8_Box_t x, ppl_const_Pointset_Powerset_Uint8_Box_t y)
- int ppl_Pointset_Powerset_Uint8_Box_concatenate_assign (ppl_Pointset_Powerset_Uint8_Box_t x, ppl_const_Pointset_Powerset_Uint8_Box_t y)
- int ppl_Pointset_Powerset_Uint8_Box_time_elapse_assign (ppl_Pointset_Powerset_Uint8_Box_t x, ppl_const_Pointset_Powerset_Uint8_Box_t y)
- int ppl_Pointset_Powerset_Uint8_Box_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Uint8_Box_t x, ppl_const_Pointset_Powerset_Uint8_Box_t y)
- int ppl_Pointset_Powerset_Uint8_Box_simplify_using_context_assign (ppl_Pointset_Powerset_Uint8_Box_t x, ppl_const_Pointset_Powerset_Uint8_Box_t y)
- int ppl_Pointset_Powerset_Uint8_Box_constrains (ppl_Pointset_Powerset_Uint8_Box_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Uint8_Box_unconstrain_space_dimension (ppl_Pointset_Powerset_Uint8_Box_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Uint8_Box_unconstrain_space_dimensions (ppl_Pointset_Powerset_Uint8_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Uint8_Box_affine_image (ppl_Pointset_Powerset_Uint8_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Uint8_Box_affine_preimage (ppl_Pointset_Powerset_Uint8_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Uint8_Box_bounded_affine_image (ppl_Pointset_Powerset_Uint8_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)

- int ppl_Pointset_Powerset_Uint8_Box_bounded_affine_preimage (ppl_Pointset_Powerset_Uint8_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Uint8_Box_generalized_affine_image (ppl_Pointset_Powerset_Uint8_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Uint8_Box_generalized_affine_preimage (ppl_Pointset_Powerset_Uint8_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Uint8_Box_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Uint8_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Uint8_Box_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Uint8_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Uint8_Box_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Uint8_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Uint8_Box_add_space_dimensions_and_project (ppl_Pointset_Powerset_Uint8_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Uint8_Box_remove_space_dimensions (ppl_Pointset_Powerset_Uint8_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Uint8_Box_remove_higher_space_dimensions (ppl_Pointset_Powerset_Uint8_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Uint8_Box_expand_space_dimension (ppl_Pointset_Powerset_Uint8_Box_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Pointset_Powerset_Uint8_Box_fold_space_dimensions (ppl_Pointset_Powerset_Uint8_Box_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Uint8_Box_map_space_dimensions (ppl_Pointset_Powerset_Uint8_Box_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Pointset_Powerset_Uint8_Box_drop_some_non_integer_points (ppl_Pointset_Powerset_Uint8_Box_t ph, int complexity)
- int ppl_Pointset_Powerset_Uint8_Box_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Uint8_Box_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Pointset_Powerset_Uint8_Box_external_memory_in_bytes (ppl_const_Pointset_Powerset_Uint8_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Uint8_Box_total_memory_in_bytes (ppl_const_Pointset_Powerset_Uint8_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Uint8_Box_size (ppl_const_Pointset_Powerset_Uint8_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Uint8_Box_add_disjunct (ppl_Pointset_Powerset_Uint8_Box_t ps, ppl_const_Uint8_Box_t d)
- int ppl_Pointset_Powerset_Uint8_Box_drop_disjunct (ppl_Pointset_Powerset_Uint8_Box_t ps, ppl_const_Pointset_Powerset_Uint8_Box_iterator_t cit, ppl_Pointset_Powerset_Uint8_Box_iterator_t it)
- int ppl_Pointset_Powerset_Uint8_Box_drop_disjuncts (ppl_Pointset_Powerset_Uint8_Box_t ps, ppl_const_Pointset_Powerset_Uint8_Box_iterator_t first, ppl_const_Pointset_Powerset_Uint8_Box_iterator_t last)
- int ppl_io_print_Pointset_Powerset_Uint8_Box (ppl_const_Pointset_Powerset_Uint8_Box_t x)
- int ppl_io_fprint_Pointset_Powerset_Uint8_Box (FILE *stream, ppl_const_Pointset_Powerset_Uint8_Box_t x)
- int ppl_io_asprint_Pointset_Powerset_Uint8_Box (char **strp, ppl_const_Pointset_Powerset_Uint8_Box_t x)

- int ppl_Pointset_Powerset_Uint8_Box_ascii_dump (ppl_const_Pointset_Powerset_Uint8_Box_t x, FILE *stream)
- int ppl_Pointset_Powerset_Uint8_Box_ascii_load (ppl_Pointset_Powerset_Uint8_Box_t x, FILE *stream)

7.150.1 Detailed Description

Types and functions for ppl_Pointset_Powerset_Uint8_Box_tag.

7.150.2 Friends And Related Function Documentation

7.150.2.1 int ppl_delete_Pointset_Powerset_Uint8_Box (ppl_const_Pointset_Powerset_Uint8_Box_t *ph*) [related]

7.150.2.2 int ppl_new_Pointset_Powerset_Uint8_Box_from_space_dimension (ppl_Pointset_Powerset_Uint8_Box_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.150.2.3 int ppl_new_Pointset_Powerset_Uint8_Box_from_Pointset_Powerset_Uint8_Box (ppl_Pointset_Powerset_Uint8_Box_t * *pph*, ppl_const_Pointset_Powerset_Uint8_Box_t *ph*) [related]

7.150.2.4 int ppl_new_Pointset_Powerset_Uint8_Box_from_Uint8_Box (ppl_Pointset_Powerset_Uint8_Box_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.150.2.5 int ppl_new_Pointset_Powerset_Uint8_Box_from_Pointset_Powerset_Uint8_Box_with_complexity (ppl_Pointset_Powerset_Uint8_Box_t * *pph*, ppl_const_Pointset_Powerset_Uint8_Box_t *ph*, int *complexity*) [related]

7.150.2.6 int ppl_new_Pointset_Powerset_Uint8_Box_from_Uint8_Box_with_complexity (ppl_Pointset_Powerset_Uint8_Box_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.150.2.7 int ppl_new_Pointset_Powerset_Uint8_Box_from_Constraint_System (ppl_Pointset_Powerset_Uint8_Box_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.150.2.8 int ppl_new_Pointset_Powerset_Uint8_Box_from_Congruence_System (ppl_Pointset_Powerset_Uint8_Box_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.150.2.9 int ppl_Pointset_Powerset_Uint8_Box_space_dimension (ppl_const_Pointset_Powerset_Uint8_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.150.2.10 int ppl_Pointset_Powerset_Uint8_Box_affine_dimension (ppl_const_Pointset_Powerset_Uint8_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.150.2.11 int ppl_Pointset_Powerset_Uint8_Box_relation_with_Constraint (ppl_const_Pointset_Powerset_Uint8_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.150.2.12 int ppl_Pointset_Powerset_Uint8_Box_relation_with_Generator (ppl_const_Pointset_Powerset_Uint8_Box_t *ph*, ppl_const_Generator_t *c*) [related]

7.150.2.13 int ppl_Pointset_Powerset_Uint8_Box_relation_with_Congruence (ppl_const_Pointset_Powerset_Uint8_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.150.2.14 int ppl_Pointset_Powerset_Uint8_Box_is_empty (ppl_const_Pointset_Powerset_Uint8_Box_t *ph*) [related]

7.150.2.15 int ppl_Pointset_Powerset_Uint8_Box_is_universe (ppl_const_Pointset_Powerset_Uint8_Box_t *ph*) [related]

7.150.2.16 int ppl_Pointset_Powerset_Uint8_Box_is_bounded (ppl_const_Pointset_Powerset_Uint8_Box_t *ph*) [related]

7.150.2.17 int ppl_Pointset_Powerset_Uint8_Box_contains_integer_point (ppl_const_Pointset_Powerset_Uint8_Box_t *ph*) [related]

7.150.2.18 int ppl_Pointset_Powerset_Uint8_Box_is_topologically_closed (ppl_const_Pointset_Powerset_Uint8_Box_t *ph*) [related]

7.150.2.19 int ppl_Pointset_Powerset_Uint8_Box_is_discrete (ppl_const_Pointset_Powerset_Uint8_Box_t *ph*) [related]

7.150.2.20 int ppl_Pointset_Powerset_Uint8_Box_topological_closure_assign (ppl_Pointset_Powerset_Uint8_Box_t *ph*) [related]

7.150.2.21 int ppl_Pointset_Powerset_Uint8_Box_pairwise_reduce (ppl_Pointset_Powerset_Uint8_Box_t *ph*) [related]

7.150.2.22 int ppl_Pointset_Powerset_Uint8_Box_omega_reduce (ppl_Pointset_Powerset_Uint8_Box_t *ph*) [related]

7.150.2.23 int ppl_Pointset_Powerset_Uint8_Box_bounds_from_above (ppl_const_Pointset_Powerset_Uint8_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.150.2.24 int ppl_Pointset_Powerset_Uint8_Box_bounds_from_below (ppl_const_Pointset_Powerset_Uint8_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.150.2.25 int ppl_Pointset_Powerset_Uint8_Box_maximize (ppl_const_Pointset_Powerset_Uint8_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.150.2.26 int ppl_Pointset_Powerset_Uint8_Box_minimize (ppl_const_Pointset_Powerset_Uint8_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.150.2.27 int ppl_Pointset_Powerset_Uint8_Box_maximize_with_point (ppl_const_Pointset_Powerset_Uint8_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.150.2.28 int ppl_Pointset_Powerset_Uint8_Box_minimize_with_point (ppl_const_Pointset_Powerset_Uint8_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.150.2.29 int ppl_Pointset_Powerset_Uint8_Box_contains_Pointset_Powerset_Uint8_Box (ppl_const_Pointset_Powerset_Uint8_Box_t *x*, ppl_const_Pointset_Powerset_Uint8_Box_t *y*) [related]

7.150.2.30 int ppl_Pointset_Powerset_Uint8_Box_strictly_contains_Pointset_Powerset_Uint8_Box (ppl_const_Pointset_Powerset_Uint8_Box_t *x*, ppl_const_Pointset_Powerset_Uint8_Box_t *y*) [related]

7.150.2.31 int ppl_Pointset_Powerset_Uint8_Box_is_disjoint_from_Pointset_Powerset_Uint8_Box (ppl_const_Pointset_Powerset_Uint8_Box_t *x*, ppl_const_Pointset_Powerset_Uint8_Box_t *y*) [related]

7.150.2.32 int ppl_Pointset_Powerset_Uint8_Box_geometrically_covers_Pointset_Powerset_Uint8_Box (ppl_const_Pointset_Powerset_Uint8_Box_t *x*, ppl_const_Pointset_Powerset_Uint8_Box_t *y*) [related]

7.150.2.33 int ppl_Pointset_Powerset_Uint8_Box_geometrically_equals_Pointset_Powerset_Uint8_Box (ppl_const_Pointset_Powerset_Uint8_Box_t *x*, ppl_const_Pointset_Powerset_Uint8_Box_t *y*) [related]

7.150.2.34 int ppl_Pointset_Powerset_Uint8_Box_equals_Pointset_Powerset_Uint8_Box (ppl_const_Pointset_Powerset_Uint8_Box_t *x*, ppl_const_Pointset_Powerset_Uint8_Box_t *y*) [related]

7.150.2.35 int ppl_Pointset_Powerset_Uint8_Box_OK (ppl_const_Pointset_Powerset_Uint8_Box_t *ph*) [related]

7.150.2.36 int ppl_Pointset_Powerset_Uint8_Box_add_constraint (ppl_Pointset_Powerset_Uint8_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.150.2.37 int ppl_Pointset_Powerset_Uint8_Box_add_congruence (ppl_Pointset_Powerset_Uint8_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.150.2.38 int ppl_Pointset_Powerset_Uint8_Box_add_constraints (ppl_Pointset_Powerset_Uint8_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.150.2.39 int ppl_Pointset_Powerset_Uint8_Box_add_congruences (ppl_Pointset_Powerset_Uint8_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.150.2.40 int ppl_Pointset_Powerset_Uint8_Box_refine_with_constraint (ppl_Pointset_Powerset_Uint8_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.150.2.41 int ppl_Pointset_Powerset_Uint8_Box_refine_with_congruence (ppl_Pointset_Powerset_Uint8_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.150.2.42 int ppl_Pointset_Powerset_Uint8_Box_refine_with_constraints (ppl_Pointset_Powerset_Uint8_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.150.2.43 int ppl_Pointset_Powerset_Uint8_Box_refine_with_congruences (ppl_Pointset_Powerset_Uint8_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.150.2.44 int ppl_Pointset_Powerset_Uint8_Box_intersection_assign (ppl_Pointset_Powerset_Uint8_Box_t *x*, ppl_const_Pointset_Powerset_Uint8_Box_t *y*) [related]

7.150.2.45 int ppl_Pointset_Powerset_Uint8_Box_upper_bound_assign (ppl_Pointset_Powerset_Uint8_Box_t *x*, ppl_const_Pointset_Powerset_Uint8_Box_t *y*) [related]

7.150.2.46 int ppl_Pointset_Powerset_Uint8_Box_difference_assign (ppl_Pointset_Powerset_Uint8_Box_t *x*, ppl_const_Pointset_Powerset_Uint8_Box_t *y*) [related]

7.150.2.47 int ppl_Pointset_Powerset_Uint8_Box_concatenate_assign (ppl_Pointset_Powerset_Uint8_Box_t *x*, ppl_const_Pointset_Powerset_Uint8_Box_t *y*) [related]

7.150.2.48 int ppl_Pointset_Powerset_Uint8_Box_time_elapse_assign (ppl_Pointset_Powerset_Uint8_Box_t *x*, ppl_const_Pointset_Powerset_Uint8_Box_t *y*) [related]

7.150.2.49 int ppl_Pointset_Powerset_Uint8_Box_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Uint8_Box_t *x*, ppl_const_Pointset_Powerset_Uint8_Box_t *y*) [related]

7.150.2.50 int ppl_Pointset_Powerset_Uint8_Box_simplify_using_context_assign (ppl_Pointset_Powerset_Uint8_Box_t *x*, ppl_const_Pointset_Powerset_Uint8_Box_t *y*) [related]

7.150.2.51 int ppl_Pointset_Powerset_Uint8_Box_constrains (ppl_Pointset_Powerset_Uint8_Box_t *ph*, ppl_dimension_type *var*) [related]

7.150.2.52 int ppl_Pointset_Powerset_Uint8_Box_unconstrain_space_dimension (ppl_Pointset_Powerset_Uint8_Box_t *ph*, ppl_dimension_type *var*) [related]

7.150.2.53 int ppl_Pointset_Powerset_Uint8_Box_unconstrain_space_dimensions (ppl_Pointset_Powerset_Uint8_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.150.2.54 int ppl_Pointset_Powerset_Uint8_Box_affine_image (ppl_Pointset_Powerset_Uint8_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.150.2.55 int ppl_Pointset_Powerset_Uint8_Box_affine_preimage (ppl_Pointset_Powerset_Uint8_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.150.2.56 int ppl_Pointset_Powerset_Uint8_Box_bounded_affine_image (ppl_Pointset_-Powerset_Uint8_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.150.2.57 int ppl_Pointset_Powerset_Uint8_Box_bounded_affine_preimage (ppl_Pointset_Powerset_Uint8_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.150.2.58 int ppl_Pointset_Powerset_Uint8_Box_generalized_affine_image (ppl_Pointset_Powerset_Uint8_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.150.2.59 int ppl_Pointset_Powerset_Uint8_Box_generalized_affine_preimage (ppl_Pointset_Powerset_Uint8_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.150.2.60 int ppl_Pointset_Powerset_Uint8_Box_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Uint8_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.150.2.61 int ppl_Pointset_Powerset_Uint8_Box_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Uint8_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.150.2.62 int ppl_Pointset_Powerset_Uint8_Box_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Uint8_Box_t *ph*, ppl_dimension_type *d*) [related]

7.150.2.63 int ppl_Pointset_Powerset_Uint8_Box_add_space_dimensions_and_project (ppl_Pointset_Powerset_Uint8_Box_t *ph*, ppl_dimension_type *d*) [related]

7.150.2.64 int ppl_Pointset_Powerset_Uint8_Box_remove_space_dimensions (ppl_Pointset_Powerset_Uint8_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.150.2.65 int ppl_Pointset_Powerset_Uint8_Box_remove_higher_space_dimensions (ppl_Pointset_Powerset_Uint8_Box_t *ph*, ppl_dimension_type *d*) [related]

7.150.2.66 int ppl_Pointset_Powerset_Uint8_Box_expand_space_dimension (ppl_Pointset_Powerset_Uint8_Box_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.150.2.67 int ppl_Pointset_Powerset_Uint8_Box_fold_space_dimensions (ppl_Pointset_-Powerset_Uint8_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.150.2.68 int ppl_Pointset_Powerset_Uint8_Box_map_space_dimensions (ppl_Pointset_Powerset_Uint8_Box_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.150.2.69 int ppl_Pointset_Powerset_Uint8_Box_drop_some_non_integer_points (ppl_Pointset_Powerset_Uint8_Box_t *ph*, int *complexity*) [related]

7.150.2.70 int ppl_Pointset_Powerset_Uint8_Box_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Uint8_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.150.2.71 int ppl_Pointset_Powerset_Uint8_Box_external_memory_in_bytes (ppl_const_Pointset_Powerset_Uint8_Box_t *ps*, size_t * *sz*) [related]

7.150.2.72 int ppl_Pointset_Powerset_Uint8_Box_total_memory_in_bytes (ppl_const_Pointset_Powerset_Uint8_Box_t *ps*, size_t * *sz*) [related]

7.150.2.73 int ppl_Pointset_Powerset_Uint8_Box_size (ppl_const_Pointset_Powerset_Uint8_Box_t *ps*, size_t * *sz*) [related]

7.150.2.74 int ppl_Pointset_Powerset_Uint8_Box_add_disjunct (ppl_Pointset_Powerset_Uint8_Box_t *ps*, ppl_const_Uint8_Box_t *d*) [related]

7.150.2.75 int ppl_Pointset_Powerset_Uint8_Box_drop_disjunct (ppl_Pointset_Powerset_Uint8_Box_t *ps*, ppl_const_Pointset_Powerset_Uint8_Box_iterator_t *cit*, ppl_Pointset_Powerset_Uint8_Box_iterator_t *it*) [related]

7.150.2.76 int ppl_Pointset_Powerset_Uint8_Box_drop_disjuncts (ppl_Pointset_Powerset_Uint8_Box_t *ps*, ppl_const_Pointset_Powerset_Uint8_Box_iterator_t *first*, ppl_const_Pointset_Powerset_Uint8_Box_iterator_t *last*) [related]

7.150.2.77 int ppl_io_print_Pointset_Powerset_Uint8_Box (ppl_const_Pointset_Powerset_Uint8_Box_t *x*) [related]

7.150.2.78 int ppl_io_fprint_Pointset_Powerset_Uint8_Box (FILE * *stream*, ppl_const_Pointset_Powerset_Uint8_Box_t *x*) [related]

7.150.2.79 int ppl_io_asprint_Pointset_Powerset_Uint8_Box (char ** *strp*, ppl_const_Pointset_Powerset_Uint8_Box_t *x*) [related]

7.150.2.80 int ppl_Pointset_Powerset_Uint8_Box_ascii_dump (ppl_const_Pointset_Powerset_Uint8_Box_t *x*, FILE * *stream*) [related]

7.150.2.81 int ppl_Pointset_Powerset_Uint8_Box_ascii_load (ppl_Pointset_Powerset_Uint8_Box_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.151 ppl_Pointset_Powerset_Z_Box_const_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Z_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Z_Box_const_iterator (ppl_Pointset_Powerset_Z_Box_const_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Z_Box_const_iterator_from_const_iterator (ppl_Pointset_Powerset_Z_Box_const_iterator_t *px, ppl_const_Pointset_Powerset_Z_Box_const_iterator_t y)
- int ppl_Pointset_Powerset_Z_Box_const_iterator_begin (ppl_const_Pointset_Powerset_Z_Box_t ps, ppl_Pointset_Powerset_Z_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Z_Box_const_iterator_end (ppl_const_Pointset_Powerset_Z_Box_t ps, ppl_Pointset_Powerset_Z_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Z_Box_const_iterator_equal_test (ppl_const_Pointset_Powerset_Z_Box_const_iterator_t x, ppl_const_Pointset_Powerset_Z_Box_const_iterator_t y)
- int ppl_Pointset_Powerset_Z_Box_const_iterator_increment (ppl_Pointset_Powerset_Z_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Z_Box_const_iterator_decrement (ppl_Pointset_Powerset_Z_Box_const_iterator_t psit)
- int ppl_Pointset_Powerset_Z_Box_const_iterator_dereference (ppl_const_Pointset_Powerset_Z_Box_const_iterator_t ps, ppl_const_Z_Box_t *d)
- int ppl_delete_Pointset_Powerset_Z_Box_const_iterator (ppl_const_Pointset_Powerset_Z_Box_const_iterator_t psit)

7.151.1 Detailed Description

Types and functions for iterating on the disjuncts of a const ppl_Pointset_Powerset_Z_Box_tag.

7.151.2 Friends And Related Function Documentation

7.151.2.1 int ppl_new_Pointset_Powerset_Z_Box_const_iterator (ppl_Pointset_Powerset_Z_Box_-const_iterator_t * *pit*) [related]

7.151.2.2 int ppl_new_Pointset_Powerset_Z_Box_const_iterator_from_const_-iterator (ppl_Pointset_Powerset_Z_Box_const_iterator_t * *px*, ppl_const_Pointset_Powerset_Z_Box_const_iterator_t *y*) [related]

7.151.2.3 int ppl_Pointset_Powerset_Z_Box_const_iterator_begin (ppl_const_Pointset_-Powerset_Z_Box_t *ps*, ppl_Pointset_Powerset_Z_Box_const_iterator_t *psit*) [related]

7.151.2.4 int ppl_Pointset_Powerset_Z_Box_const_iterator_end (ppl_const_Pointset_-Powerset_Z_Box_t *ps*, ppl_Pointset_Powerset_Z_Box_const_iterator_t *psit*) [related]

7.151.2.5 int ppl_Pointset_Powerset_Z_Box_const_iterator_equal_test (ppl_const_Pointset_Powerset_Z_Box_const_iterator_t *x*, ppl_const_Pointset_-Powerset_Z_Box_const_iterator_t *y*) [related]

7.151.2.6 int ppl_Pointset_Powerset_Z_Box_const_iterator_increment (ppl_Pointset_Powerset_Z_Box_const_iterator_t *psit*) [related]

7.151.2.7 int ppl_Pointset_Powerset_Z_Box_const_iterator_decrement (ppl_Pointset_Powerset_Z_Box_const_iterator_t *psit*) [related]

7.151.2.8 int ppl_Pointset_Powerset_Z_Box_const_iterator_dereference (ppl_const_-Pointset_Powerset_Z_Box_const_iterator_t *ps*, ppl_const_Z_Box_t * *d*) [related]

7.151.2.9 int ppl_delete_Pointset_Powerset_Z_Box_const_iterator (ppl_const_Pointset_Powerset_Z_Box_const_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.152 ppl_Pointset_Powerset_Z_Box_iterator_tag Interface Reference

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Z_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_new_Pointset_Powerset_Z_Box_iterator (ppl_Pointset_Powerset_Z_Box_iterator_t *pit)
- int ppl_new_Pointset_Powerset_Z_Box_iterator_from_iterator (ppl_Pointset_Powerset_Z_Box_iterator_t *px, ppl_const_Pointset_Powerset_Z_Box_iterator_t y)
- int ppl_Pointset_Powerset_Z_Box_iterator_begin (ppl_Pointset_Powerset_Z_Box_t ps, ppl_Pointset_Powerset_Z_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Z_Box_iterator_end (ppl_Pointset_Powerset_Z_Box_t ps, ppl_Pointset_Powerset_Z_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Z_Box_iterator_equal_test (ppl_const_Pointset_Powerset_Z_Box_iterator_t x, ppl_const_Pointset_Powerset_Z_Box_iterator_t y)
- int ppl_Pointset_Powerset_Z_Box_iterator_increment (ppl_Pointset_Powerset_Z_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Z_Box_iterator_decrement (ppl_Pointset_Powerset_Z_Box_iterator_t psit)
- int ppl_Pointset_Powerset_Z_Box_iterator_dereference (ppl_const_Pointset_Powerset_Z_Box_iterator_t ps, ppl_const_Z_Box_t *d)
- int ppl_delete_Pointset_Powerset_Z_Box_iterator (ppl_const_Pointset_Powerset_Z_Box_iterator_t psit)

7.152.1 Detailed Description

Types and functions for iterating on the disjuncts of a ppl_Pointset_Powerset_Z_Box_tag.

7.152.2 Friends And Related Function Documentation

7.152.2.1 int ppl_new_Pointset_Powerset_Z_Box_iterator (ppl_Pointset_Powerset_Z_Box_iterator_t * *pit*) [related]

7.152.2.2 int ppl_new_Pointset_Powerset_Z_Box_iterator_from_iterator (ppl_Pointset_Powerset_Z_Box_iterator_t * *px*, ppl_const_Pointset_Powerset_Z_Box_iterator_t *y*) [related]

7.152.2.3 int ppl_Pointset_Powerset_Z_Box_iterator_begin (ppl_Pointset_Powerset_Z_Box_t *ps*, ppl_Pointset_Powerset_Z_Box_iterator_t *psit*) [related]

7.152.2.4 int ppl_Pointset_Powerset_Z_Box_iterator_end (ppl_Pointset_Powerset_Z_Box_t *ps*, ppl_Pointset_Powerset_Z_Box_iterator_t *psit*) [related]

7.152.2.5 int ppl_Pointset_Powerset_Z_Box_iterator_equal_test (ppl_const_Pointset_Powerset_Z_Box_iterator_t *x*, ppl_const_Pointset_Powerset_Z_Box_iterator_t *y*) [related]

7.152.2.6 int ppl_Pointset_Powerset_Z_Box_iterator_increment (ppl_Pointset_Powerset_Z_Box_iterator_t *psit*) [related]

7.152.2.7 int ppl_Pointset_Powerset_Z_Box_iterator_decrement (ppl_Pointset_Powerset_Z_Box_iterator_t *psit*) [related]

7.152.2.8 int ppl_Pointset_Powerset_Z_Box_iterator_dereference (ppl_const_Pointset_Powerset_Z_Box_iterator_t *ps*, ppl_const_Z_Box_t * *d*) [related]

7.152.2.9 int ppl_delete_Pointset_Powerset_Z_Box_iterator (ppl_const_Pointset_Powerset_Z_Box_iterator_t *psit*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.153 ppl_Pointset_Powerset_Z_Box_tag Interface Reference

Types and functions for ppl_Pointset_Powerset_Z_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Pointset_Powerset_Z_Box (ppl_const_Pointset_Powerset_Z_Box_t ph)
- int ppl_new_Pointset_Powerset_Z_Box_from_space_dimension (ppl_Pointset_Powerset_Z_Box_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Pointset_Powerset_Z_Box_from_Pointset_Powerset_Z_Box (ppl_Pointset_Powerset_Z_Box_t *pph, ppl_const_Pointset_Powerset_Z_Box_t ph)
- int ppl_new_Pointset_Powerset_Z_Box_from_Z_Box (ppl_Pointset_Powerset_Z_Box_t *pph, ppl_const_Z_Box_t ph)
- int ppl_new_Pointset_Powerset_Z_Box_from_Pointset_Powerset_Z_Box_with_complexity (ppl_Pointset_Powerset_Z_Box_t *pph, ppl_const_Pointset_Powerset_Z_Box_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Z_Box_from_Z_Box_with_complexity (ppl_Pointset_Powerset_Z_Box_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_Pointset_Powerset_Z_Box_from_Constraint_System (ppl_Pointset_Powerset_Z_Box_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Pointset_Powerset_Z_Box_from_Congruence_System (ppl_Pointset_Powerset_Z_Box_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Z_Box_space_dimension (ppl_const_Pointset_Powerset_Z_Box_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Z_Box_affine_dimension (ppl_const_Pointset_Powerset_Z_Box_t ph, ppl_dimension_type *m)
- int ppl_Pointset_Powerset_Z_Box_relation_with_Constraint (ppl_const_Pointset_Powerset_Z_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Z_Box_relation_with_Generator (ppl_const_Pointset_Powerset_Z_Box_t ph, ppl_const_Generator_t c)
- int ppl_Pointset_Powerset_Z_Box_relation_with_Congruence (ppl_const_Pointset_Powerset_Z_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Z_Box_is_empty (ppl_const_Pointset_Powerset_Z_Box_t ph)
- int ppl_Pointset_Powerset_Z_Box_is_universe (ppl_const_Pointset_Powerset_Z_Box_t ph)
- int ppl_Pointset_Powerset_Z_Box_is_bounded (ppl_const_Pointset_Powerset_Z_Box_t ph)
- int ppl_Pointset_Powerset_Z_Box_contains_integer_point (ppl_const_Pointset_Powerset_Z_Box_t ph)
- int ppl_Pointset_Powerset_Z_Box_is_topologically_closed (ppl_const_Pointset_Powerset_Z_Box_t ph)
- int ppl_Pointset_Powerset_Z_Box_is_discrete (ppl_const_Pointset_Powerset_Z_Box_t ph)
- int ppl_Pointset_Powerset_Z_Box_topological_closure_assign (ppl_Pointset_Powerset_Z_Box_t ph)
- int ppl_Pointset_Powerset_Z_Box_pairwise_reduce (ppl_Pointset_Powerset_Z_Box_t ph)
- int ppl_Pointset_Powerset_Z_Box_omega_reduce (ppl_Pointset_Powerset_Z_Box_t ph)
- int ppl_Pointset_Powerset_Z_Box_bounds_from_above (ppl_const_Pointset_Powerset_Z_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Pointset_Powerset_Z_Box_bounds_from_below (ppl_const_Pointset_Powerset_Z_Box_t ph, ppl_const_Linear_Expression_t le)

- int ppl_Pointset_Powerset_Z_Box_maximize (ppl_const_Pointset_Powerset_Z_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Z_Box_minimize (ppl_const_Pointset_Powerset_Z_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Pointset_Powerset_Z_Box_maximize_with_point (ppl_const_Pointset_Powerset_Z_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Z_Box_minimize_with_point (ppl_const_Pointset_Powerset_Z_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Pointset_Powerset_Z_Box_contains_Pointset_Powerset_Z_Box (ppl_const_Pointset_Powerset_Z_Box_t x, ppl_const_Pointset_Powerset_Z_Box_t y)
- int ppl_Pointset_Powerset_Z_Box_strictly_contains_Pointset_Powerset_Z_Box (ppl_const_Pointset_Powerset_Z_Box_t x, ppl_const_Pointset_Powerset_Z_Box_t y)
- int ppl_Pointset_Powerset_Z_Box_is_disjoint_from_Pointset_Powerset_Z_Box (ppl_const_Pointset_Powerset_Z_Box_t x, ppl_const_Pointset_Powerset_Z_Box_t y)
- int ppl_Pointset_Powerset_Z_Box_geometrically_covers_Pointset_Powerset_Z_Box (ppl_const_Pointset_Powerset_Z_Box_t x, ppl_const_Pointset_Powerset_Z_Box_t y)
- int ppl_Pointset_Powerset_Z_Box_geometrically_equals_Pointset_Powerset_Z_Box (ppl_const_Pointset_Powerset_Z_Box_t x, ppl_const_Pointset_Powerset_Z_Box_t y)
- int ppl_Pointset_Powerset_Z_Box_equals_Pointset_Powerset_Z_Box (ppl_const_Pointset_Powerset_Z_Box_t x, ppl_const_Pointset_Powerset_Z_Box_t y)
- int ppl_Pointset_Powerset_Z_Box_OK (ppl_const_Pointset_Powerset_Z_Box_t ph)
- int ppl_Pointset_Powerset_Z_Box_add_constraint (ppl_Pointset_Powerset_Z_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Z_Box_add_congruence (ppl_Pointset_Powerset_Z_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Z_Box_add_constraints (ppl_Pointset_Powerset_Z_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Z_Box_add_congruences (ppl_Pointset_Powerset_Z_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Z_Box_refine_with_constraint (ppl_Pointset_Powerset_Z_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Pointset_Powerset_Z_Box_refine_with_congruence (ppl_Pointset_Powerset_Z_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Pointset_Powerset_Z_Box_refine_with_constraints (ppl_Pointset_Powerset_Z_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Pointset_Powerset_Z_Box_refine_with_congruences (ppl_Pointset_Powerset_Z_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Pointset_Powerset_Z_Box_intersection_assign (ppl_Pointset_Powerset_Z_Box_t x, ppl_const_Pointset_Powerset_Z_Box_t y)
- int ppl_Pointset_Powerset_Z_Box_upper_bound_assign (ppl_Pointset_Powerset_Z_Box_t x, ppl_const_Pointset_Powerset_Z_Box_t y)
- int ppl_Pointset_Powerset_Z_Box_difference_assign (ppl_Pointset_Powerset_Z_Box_t x, ppl_const_Pointset_Powerset_Z_Box_t y)
- int ppl_Pointset_Powerset_Z_Box_concatenate_assign (ppl_Pointset_Powerset_Z_Box_t x, ppl_const_Pointset_Powerset_Z_Box_t y)
- int ppl_Pointset_Powerset_Z_Box_time_elapse_assign (ppl_Pointset_Powerset_Z_Box_t x, ppl_const_Pointset_Powerset_Z_Box_t y)
- int ppl_Pointset_Powerset_Z_Box_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Z_Box_t x, ppl_const_Pointset_Powerset_Z_Box_t y)

- int ppl_Pointset_Powerset_Z_Box_simplify_using_context_assign (ppl_Pointset_Powerset_Z_Box_t x, ppl_const_Pointset_Powerset_Z_Box_t y)
- int ppl_Pointset_Powerset_Z_Box_constrains (ppl_Pointset_Powerset_Z_Box_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Z_Box_unconstrain_space_dimension (ppl_Pointset_Powerset_Z_Box_t ph, ppl_dimension_type var)
- int ppl_Pointset_Powerset_Z_Box_unconstrain_space_dimensions (ppl_Pointset_Powerset_Z_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Z_Box_affine_image (ppl_Pointset_Powerset_Z_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Z_Box_affine_preimage (ppl_Pointset_Powerset_Z_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Z_Box_bounded_affine_image (ppl_Pointset_Powerset_Z_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Z_Box_bounded_affine_preimage (ppl_Pointset_Powerset_Z_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Z_Box_generalized_affine_image (ppl_Pointset_Powerset_Z_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Z_Box_generalized_affine_preimage (ppl_Pointset_Powerset_Z_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Pointset_Powerset_Z_Box_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Z_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Z_Box_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Z_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Pointset_Powerset_Z_Box_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Z_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Z_Box_add_space_dimensions_and_project (ppl_Pointset_Powerset_Z_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Z_Box_remove_space_dimensions (ppl_Pointset_Powerset_Z_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Pointset_Powerset_Z_Box_remove_higher_space_dimensions (ppl_Pointset_Powerset_Z_Box_t ph, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Z_Box_expand_space_dimension (ppl_Pointset_Powerset_Z_Box_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Pointset_Powerset_Z_Box_fold_space_dimensions (ppl_Pointset_Powerset_Z_Box_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Pointset_Powerset_Z_Box_map_space_dimensions (ppl_Pointset_Powerset_Z_Box_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Pointset_Powerset_Z_Box_drop_some_non_integer_points (ppl_Pointset_Powerset_Z_Box_t ph, int complexity)
- int ppl_Pointset_Powerset_Z_Box_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Z_Box_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Pointset_Powerset_Z_Box_external_memory_in_bytes (ppl_const_Pointset_Powerset_Z_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Z_Box_total_memory_in_bytes (ppl_const_Pointset_Powerset_Z_Box_t ps, size_t *sz)

- int ppl_Pointset_Powerset_Z_Box_size (ppl_const_Pointset_Powerset_Z_Box_t ps, size_t *sz)
- int ppl_Pointset_Powerset_Z_Box_add_disjunct (ppl_Pointset_Powerset_Z_Box_t ps, ppl_const_Z_Box_t d)
- int ppl_Pointset_Powerset_Z_Box_drop_disjunct (ppl_Pointset_Powerset_Z_Box_t ps, ppl_const_Pointset_Powerset_Z_Box_iterator_t cit, ppl_Pointset_Powerset_Z_Box_iterator_t it)
- int ppl_Pointset_Powerset_Z_Box_drop_disjuncts (ppl_Pointset_Powerset_Z_Box_t ps, ppl_const_Pointset_Powerset_Z_Box_iterator_t first, ppl_const_Pointset_Powerset_Z_Box_iterator_t last)
- int ppl_io_print_Pointset_Powerset_Z_Box (ppl_const_Pointset_Powerset_Z_Box_t x)
- int ppl_io_fprint_Pointset_Powerset_Z_Box (FILE *stream, ppl_const_Pointset_Powerset_Z_Box_t x)
- int ppl_io_asprint_Pointset_Powerset_Z_Box (char **strp, ppl_const_Pointset_Powerset_Z_Box_t x)
- int ppl_Pointset_Powerset_Z_Box_ascii_dump (ppl_const_Pointset_Powerset_Z_Box_t x, FILE *stream)
- int ppl_Pointset_Powerset_Z_Box_ascii_load (ppl_Pointset_Powerset_Z_Box_t x, FILE *stream)

7.153.1 Detailed Description

Types and functions for ppl_Pointset_Powerset_Z_Box_tag.

7.153.2 Friends And Related Function Documentation

7.153.2.1 int ppl_delete_Pointset_Powerset_Z_Box (ppl_const_Pointset_Powerset_Z_Box_t *ph*) [related]

7.153.2.2 int ppl_new_Pointset_Powerset_Z_Box_from_space_dimension (ppl_Pointset_Powerset_Z_Box_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.153.2.3 int ppl_new_Pointset_Powerset_Z_Box_from_Pointset_Powerset_Z_Box (ppl_Pointset_Powerset_Z_Box_t * *pph*, ppl_const_Pointset_Powerset_Z_Box_t *ph*) [related]

7.153.2.4 int ppl_new_Pointset_Powerset_Z_Box_from_Z_Box (ppl_Pointset_Powerset_Z_Box_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.153.2.5 int ppl_new_Pointset_Powerset_Z_Box_from_Pointset_Powerset_Z_Box_with_complexity (ppl_Pointset_Powerset_Z_Box_t * *pph*, ppl_const_Pointset_Powerset_Z_Box_t *ph*, int *complexity*) [related]

7.153.2.6 int ppl_new_Pointset_Powerset_Z_Box_from_Z_Box_with_complexity (ppl_Pointset_Powerset_Z_Box_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.153.2.7 int ppl_new_Pointset_Powerset_Z_Box_from_Constraint_System (ppl_Pointset_Powerset_Z_Box_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.153.2.8 int ppl_new_Pointset_Powerset_Z_Box_from_Congruence_System (ppl_Pointset_Powerset_Z_Box_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.153.2.9 int ppl_Pointset_Powerset_Z_Box_space_dimension (ppl_const_Pointset_Powerset_Z_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.153.2.10 int ppl_Pointset_Powerset_Z_Box_affine_dimension (ppl_const_Pointset_Powerset_Z_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.153.2.11 int ppl_Pointset_Powerset_Z_Box_relation_with_Constraint (ppl_const_Pointset_Powerset_Z_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.153.2.12 int ppl_Pointset_Powerset_Z_Box_relation_with_Generator (ppl_const_Pointset_Powerset_Z_Box_t *ph*, ppl_const_Generator_t *c*) [related]

7.153.2.13 int ppl_Pointset_Powerset_Z_Box_relation_with_Congruence (ppl_const_Pointset_Powerset_Z_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.153.2.14 int ppl_Pointset_Powerset_Z_Box_is_empty (ppl_const_Pointset_Powerset_Z_Box_t *ph*) [related]

7.153.2.15 int ppl_Pointset_Powerset_Z_Box_is_universe (ppl_const_Pointset_Powerset_Z_Box_t *ph*) [related]

7.153.2.16 int ppl_Pointset_Powerset_Z_Box_is_bounded (ppl_const_Pointset_Powerset_Z_Box_t *ph*) [related]

7.153.2.17 int ppl_Pointset_Powerset_Z_Box_contains_integer_point (ppl_const_Pointset_Powerset_Z_Box_t *ph*) [related]

7.153.2.18 int ppl_Pointset_Powerset_Z_Box_is_topologically_closed (ppl_const_Pointset_Powerset_Z_Box_t *ph*) [related]

7.153.2.19 int ppl_Pointset_Powerset_Z_Box_is_discrete (ppl_const_Pointset_Powerset_Z_Box_t *ph*) [related]

7.153.2.20 int ppl_Pointset_Powerset_Z_Box_topological_closure_assign (ppl_Pointset_Powerset_Z_Box_t *ph*) [related]

7.153.2.21 int ppl_Pointset_Powerset_Z_Box_pairwise_reduce (ppl_Pointset_Powerset_Z_Box_t *ph*) [related]

7.153.2.22 int ppl_Pointset_Powerset_Z_Box_omega_reduce (ppl_Pointset_Powerset_Z_Box_t *ph*) [related]

7.153.2.23 int ppl_Pointset_Powerset_Z_Box_bounds_from_above (ppl_const_Pointset_Powerset_Z_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.153.2.24 int ppl_Pointset_Powerset_Z_Box_bounds_from_below (ppl_const_Pointset_Powerset_Z_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.153.2.25 int ppl_Pointset_Powerset_Z_Box_maximize (ppl_const_Pointset_Powerset_Z_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.153.2.26 int ppl_Pointset_Powerset_Z_Box_minimize (ppl_const_Pointset_Powerset_Z_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.153.2.27 int ppl_Pointset_Powerset_Z_Box_maximize_with_point (ppl_const_Pointset_Powerset_Z_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.153.2.28 int ppl_Pointset_Powerset_Z_Box_minimize_with_point (ppl_const_Pointset_Powerset_Z_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.153.2.29 int ppl_Pointset_Powerset_Z_Box_contains_Pointset_Powerset_Z_Box (ppl_const_Pointset_Powerset_Z_Box_t *x*, ppl_const_Pointset_Powerset_Z_Box_t *y*) [related]

7.153.2.30 int ppl_Pointset_Powerset_Z_Box_strictly_contains_Pointset_Powerset_Z_Box (ppl_const_Pointset_Powerset_Z_Box_t *x*, ppl_const_Pointset_Powerset_Z_Box_t *y*) [related]

7.153.2.31 int ppl_Pointset_Powerset_Z_Box_is_disjoint_from_Pointset_Powerset_Z_Box (ppl_const_Pointset_Powerset_Z_Box_t *x*, ppl_const_Pointset_Powerset_Z_Box_t *y*) [related]

7.153.2.32 int ppl_Pointset_Powerset_Z_Box_geometrically_covers_Pointset_Powerset_Z_Box (ppl_const_Pointset_Powerset_Z_Box_t *x*, ppl_const_Pointset_Powerset_Z_Box_t *y*) [related]

7.153.2.33 int ppl_Pointset_Powerset_Z_Box_geometrically_equals_Pointset_Powerset_Z_Box (ppl_const_Pointset_Powerset_Z_Box_t *x*, ppl_const_Pointset_Powerset_Z_Box_t *y*) [related]

7.153.2.34 int ppl_Pointset_Powerset_Z_Box_equals_Pointset_Powerset_Z_Box (ppl_const_Pointset_Powerset_Z_Box_t *x*, ppl_const_Pointset_Powerset_Z_Box_t *y*) [related]

7.153.2.35 int ppl_Pointset_Powerset_Z_Box_OK (ppl_const_Pointset_Powerset_Z_Box_t *ph*) [related]

7.153.2.36 int ppl_Pointset_Powerset_Z_Box_add_constraint (ppl_Pointset_Powerset_Z_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.153.2.37 int ppl_Pointset_Powerset_Z_Box_add_congruence (ppl_Pointset_Powerset_Z_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.153.2.38 int ppl_Pointset_Powerset_Z_Box_add_constraints (ppl_Pointset_Powerset_Z_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.153.2.39 int ppl_Pointset_Powerset_Z_Box_add_congruences (ppl_Pointset_Powerset_Z_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.153.2.40 int ppl_Pointset_Powerset_Z_Box_refine_with_constraint (ppl_Pointset_Powerset_Z_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.153.2.41 int ppl_Pointset_Powerset_Z_Box_refine_with_congruence (ppl_Pointset_Powerset_Z_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.153.2.42 int ppl_Pointset_Powerset_Z_Box_refine_with_constraints (ppl_Pointset_Powerset_Z_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.153.2.43 int ppl_Pointset_Powerset_Z_Box_refine_with_congruences (ppl_Pointset_Powerset_Z_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.153.2.44 int ppl_Pointset_Powerset_Z_Box_intersection_assign (ppl_Pointset_Powerset_Z_Box_t *x*, ppl_const_Pointset_Powerset_Z_Box_t *y*) [related]

7.153.2.45 int ppl_Pointset_Powerset_Z_Box_upper_bound_assign (ppl_Pointset_Powerset_Z_Box_t *x*, ppl_const_Pointset_Powerset_Z_Box_t *y*) [related]

7.153.2.46 int ppl_Pointset_Powerset_Z_Box_difference_assign (ppl_Pointset_Powerset_Z_Box_t *x*, ppl_const_Pointset_Powerset_Z_Box_t *y*) [related]

7.153.2.47 int ppl_Pointset_Powerset_Z_Box_concatenate_assign (ppl_Pointset_Powerset_Z_Box_t *x*, ppl_const_Pointset_Powerset_Z_Box_t *y*) [related]

7.153.2.48 int ppl_Pointset_Powerset_Z_Box_time_elapse_assign (ppl_Pointset_Powerset_Z_Box_t *x*, ppl_const_Pointset_Powerset_Z_Box_t *y*) [related]

7.153.2.49 int ppl_Pointset_Powerset_Z_Box_upper_bound_assign_if_exact (ppl_Pointset_Powerset_Z_Box_t *x*, ppl_const_Pointset_Powerset_Z_Box_t *y*) [related]

7.153.2.50 int ppl_Pointset_Powerset_Z_Box_simplify_using_context_assign (ppl_Pointset_Powerset_Z_Box_t *x*, ppl_const_Pointset_Powerset_Z_Box_t *y*) [related]

7.153.2.51 int ppl_Pointset_Powerset_Z_Box_constrains (ppl_Pointset_Powerset_Z_Box_t *ph*, ppl_dimension_type *var*) [related]

7.153.2.52 int ppl_Pointset_Powerset_Z_Box_unconstrain_space_dimension (ppl_Pointset_Powerset_Z_Box_t *ph*, ppl_dimension_type *var*) [related]

7.153.2.53 int ppl_Pointset_Powerset_Z_Box_unconstrain_space_dimensions (ppl_Pointset_Powerset_Z_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.153.2.54 int ppl_Pointset_Powerset_Z_Box_affine_image (ppl_Pointset_Powerset_Z_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.153.2.55 int ppl_Pointset_Powerset_Z_Box_affine_preimage (ppl_Pointset_Powerset_Z_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.153.2.56 int ppl_Pointset_Powerset_Z_Box_bounded_affine_image (ppl_Pointset_Powerset_Z_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.153.2.57 int ppl_Pointset_Powerset_Z_Box_bounded_affine_preimage (ppl_Pointset_-Powerset_Z_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.153.2.58 int ppl_Pointset_Powerset_Z_Box_generalized_affine_image (ppl_Pointset_Powerset_-Z_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.153.2.59 int ppl_Pointset_Powerset_Z_Box_generalized_affine_preimage (ppl_Pointset_-Powerset_Z_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.153.2.60 int ppl_Pointset_Powerset_Z_Box_generalized_affine_image_lhs_rhs (ppl_Pointset_Powerset_Z_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.153.2.61 int ppl_Pointset_Powerset_Z_Box_generalized_affine_preimage_lhs_rhs (ppl_Pointset_Powerset_Z_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.153.2.62 int ppl_Pointset_Powerset_Z_Box_add_space_dimensions_and_embed (ppl_Pointset_Powerset_Z_Box_t *ph*, ppl_dimension_type *d*) [related]

7.153.2.63 int ppl_Pointset_Powerset_Z_Box_add_space_dimensions_and_project (ppl_Pointset_Powerset_Z_Box_t *ph*, ppl_dimension_type *d*) [related]

7.153.2.64 int ppl_Pointset_Powerset_Z_Box_remove_space_dimensions (ppl_Pointset_Powerset_Z_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.153.2.65 int ppl_Pointset_Powerset_Z_Box_remove_higher_space_dimensions (ppl_Pointset_Powerset_Z_Box_t *ph*, ppl_dimension_type *d*) [related]

7.153.2.66 int ppl_Pointset_Powerset_Z_Box_expand_space_dimension (ppl_Pointset_Powerset_Z_Box_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.153.2.67 int ppl_Pointset_Powerset_Z_Box_fold_space_dimensions (ppl_Pointset_Powerset_Z_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.153.2.68 int ppl_Pointset_Powerset_Z_Box_map_space_dimensions (ppl_Pointset_Powerset_Z_Box_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.153.2.69 int ppl_Pointset_Powerset_Z_Box_drop_some_non_integer_points (ppl_Pointset_Powerset_Z_Box_t *ph*, int *complexity*) [related]

7.153.2.70 int ppl_Pointset_Powerset_Z_Box_drop_some_non_integer_points_2 (ppl_Pointset_Powerset_Z_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.153.2.71 int ppl_Pointset_Powerset_Z_Box_external_memory_in_bytes (ppl_const_Pointset_Powerset_Z_Box_t *ps*, size_t * *sz*) [related]

7.153.2.72 int ppl_Pointset_Powerset_Z_Box_total_memory_in_bytes (ppl_const_Pointset_Powerset_Z_Box_t *ps*, size_t * *sz*) [related]

7.153.2.73 int ppl_Pointset_Powerset_Z_Box_size (ppl_const_Pointset_Powerset_Z_Box_t *ps*, size_t * *sz*) [related]

7.153.2.74 int ppl_Pointset_Powerset_Z_Box_add_disjunct (ppl_Pointset_Powerset_Z_Box_t *ps*, ppl_const_Z_Box_t *d*) [related]

7.153.2.75 int ppl_Pointset_Powerset_Z_Box_drop_disjunct (ppl_Pointset_Powerset_Z_Box_t *ps*, ppl_const_Pointset_Powerset_Z_Box_iterator_t *cit*, ppl_Pointset_Powerset_Z_Box_iterator_t *it*) [related]

7.153.2.76 int ppl_Pointset_Powerset_Z_Box_drop_disjuncts (ppl_Pointset_Powerset_Z_Box_t *ps*, ppl_const_Pointset_Powerset_Z_Box_iterator_t *first*, ppl_const_Pointset_Powerset_Z_Box_iterator_t *last*) [related]

7.153.2.77 int ppl_io_print_Pointset_Powerset_Z_Box (ppl_const_Pointset_Powerset_Z_Box_t *x*) [related]

7.153.2.78 int ppl_io_fprint_Pointset_Powerset_Z_Box (FILE * *stream*, ppl_const_Pointset_Powerset_Z_Box_t *x*) [related]

7.153.2.79 int ppl_io_asprint_Pointset_Powerset_Z_Box (char ** *strp*, ppl_const_Pointset_Powerset_Z_Box_t *x*) [related]

7.153.2.80 int ppl_Pointset_Powerset_Z_Box_ascii_dump (ppl_const_Pointset_Powerset_Z_Box_t *x*, FILE * *stream*) [related]

7.153.2.81 int ppl_Pointset_Powerset_Z_Box_ascii_load (ppl_Pointset_Powerset_Z_Box_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.154 ppl_Polyhedron_tag Interface Reference

Types and functions for the domains of C and NNC convex polyhedra.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_new_C_Polyhedron_from_Int8_Box (ppl_Polyhedron_t *pph, ppl_const_Int8_Box_t ph)
- int ppl_new_NNC_Polyhedron_from_Int8_Box (ppl_Polyhedron_t *pph, ppl_const_Int8_Box_t ph)
- int ppl_new_C_Polyhedron_from_Int16_Box (ppl_Polyhedron_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_NNC_Polyhedron_from_Int16_Box (ppl_Polyhedron_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_C_Polyhedron_from_Int32_Box (ppl_Polyhedron_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_NNC_Polyhedron_from_Int32_Box (ppl_Polyhedron_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_C_Polyhedron_from_Int64_Box (ppl_Polyhedron_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_NNC_Polyhedron_from_Int64_Box (ppl_Polyhedron_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_C_Polyhedron_from_Uint8_Box (ppl_Polyhedron_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_NNC_Polyhedron_from_Uint8_Box (ppl_Polyhedron_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_C_Polyhedron_from_Uint16_Box (ppl_Polyhedron_t *pph, ppl_const_Uint16_Box_t ph)
- int ppl_new_NNC_Polyhedron_from_Uint16_Box (ppl_Polyhedron_t *pph, ppl_const_Uint16_Box_t ph)
- int ppl_new_C_Polyhedron_from_Uint32_Box (ppl_Polyhedron_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_NNC_Polyhedron_from_Uint32_Box (ppl_Polyhedron_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_C_Polyhedron_from_Uint64_Box (ppl_Polyhedron_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_NNC_Polyhedron_from_Uint64_Box (ppl_Polyhedron_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_C_Polyhedron_from_Z_Box (ppl_Polyhedron_t *pph, ppl_const_Z_Box_t ph)
- int ppl_new_NNC_Polyhedron_from_Z_Box (ppl_Polyhedron_t *pph, ppl_const_Z_Box_t ph)
- int ppl_new_C_Polyhedron_from_Rational_Box (ppl_Polyhedron_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_NNC_Polyhedron_from_Rational_Box (ppl_Polyhedron_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_C_Polyhedron_from_BD_Shape_int8_t (ppl_Polyhedron_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_NNC_Polyhedron_from_BD_Shape_int8_t (ppl_Polyhedron_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_C_Polyhedron_from_BD_Shape_int16_t (ppl_Polyhedron_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_NNC_Polyhedron_from_BD_Shape_int16_t (ppl_Polyhedron_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_C_Polyhedron_from_BD_Shape_int32_t (ppl_Polyhedron_t *pph, ppl_const_BD_Shape_int32_t_t ph)

- int ppl_new_NNC_Polyhedron_from_BD_Shape_int32_t (ppl_Polyhedron_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_C_Polyhedron_from_BD_Shape_int64_t (ppl_Polyhedron_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_NNC_Polyhedron_from_BD_Shape_int64_t (ppl_Polyhedron_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_C_Polyhedron_from_BD_Shape_mpz_class (ppl_Polyhedron_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_NNC_Polyhedron_from_BD_Shape_mpz_class (ppl_Polyhedron_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_C_Polyhedron_from_BD_Shape_mpq_class (ppl_Polyhedron_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_NNC_Polyhedron_from_BD_Shape_mpq_class (ppl_Polyhedron_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_C_Polyhedron_from_Octagonal_Shape_int8_t (ppl_Polyhedron_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_NNC_Polyhedron_from_Octagonal_Shape_int8_t (ppl_Polyhedron_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_C_Polyhedron_from_Octagonal_Shape_int16_t (ppl_Polyhedron_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_NNC_Polyhedron_from_Octagonal_Shape_int16_t (ppl_Polyhedron_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_C_Polyhedron_from_Octagonal_Shape_int32_t (ppl_Polyhedron_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_NNC_Polyhedron_from_Octagonal_Shape_int32_t (ppl_Polyhedron_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_C_Polyhedron_from_Octagonal_Shape_int64_t (ppl_Polyhedron_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_NNC_Polyhedron_from_Octagonal_Shape_int64_t (ppl_Polyhedron_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_C_Polyhedron_from_Octagonal_Shape_mpz_class (ppl_Polyhedron_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_NNC_Polyhedron_from_Octagonal_Shape_mpz_class (ppl_Polyhedron_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_C_Polyhedron_from_Octagonal_Shape_mpq_class (ppl_Polyhedron_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_NNC_Polyhedron_from_Octagonal_Shape_mpq_class (ppl_Polyhedron_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_C_Polyhedron_from_Grid (ppl_Polyhedron_t *pph, ppl_const_Grid_t ph)
- int ppl_new_NNC_Polyhedron_from_Grid (ppl_Polyhedron_t *pph, ppl_const_Grid_t ph)
- int ppl_new_C_Polyhedron_from_Float_Box (ppl_Polyhedron_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_NNC_Polyhedron_from_Float_Box (ppl_Polyhedron_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_C_Polyhedron_from_BD_Shape_float (ppl_Polyhedron_t *pph, ppl_const_BD_Shape_float_t ph)
- int ppl_new_NNC_Polyhedron_from_BD_Shape_float (ppl_Polyhedron_t *pph, ppl_const_BD_Shape_float_t ph)
- int ppl_new_C_Polyhedron_from_Octagonal_Shape_float (ppl_Polyhedron_t *pph, ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_NNC_Polyhedron_from_Octagonal_Shape_float (ppl_Polyhedron_t *pph, ppl_const_Octagonal_Shape_float_t ph)

- int ppl_new_C_Polyhedron_from_Double_Box (ppl_Polyhedron_t *pph, ppl_const_Double_Box_t ph)
- int ppl_new_NNC_Polyhedron_from_Double_Box (ppl_Polyhedron_t *pph, ppl_const_Double_Box_t ph)
- int ppl_new_C_Polyhedron_from_BD_Shape_double (ppl_Polyhedron_t *pph, ppl_const_BD_Shape_double_t ph)
- int ppl_new_NNC_Polyhedron_from_BD_Shape_double (ppl_Polyhedron_t *pph, ppl_const_BD_Shape_double_t ph)
- int ppl_new_C_Polyhedron_from_Octagonal_Shape_double (ppl_Polyhedron_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_NNC_Polyhedron_from_Octagonal_Shape_double (ppl_Polyhedron_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_C_Polyhedron_from_Long_Double_Box (ppl_Polyhedron_t *pph, ppl_const_Long_Double_Box_t ph)
- int ppl_new_NNC_Polyhedron_from_Long_Double_Box (ppl_Polyhedron_t *pph, ppl_const_Long_Double_Box_t ph)
- int ppl_new_C_Polyhedron_from_BD_Shape_long_double (ppl_Polyhedron_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_NNC_Polyhedron_from_BD_Shape_long_double (ppl_Polyhedron_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_C_Polyhedron_from_Octagonal_Shape_long_double (ppl_Polyhedron_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_NNC_Polyhedron_from_Octagonal_Shape_long_double (ppl_Polyhedron_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_C_Polyhedron_from_Int8_Box_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Int8_Box_t ph, int complexity)
- int ppl_new_NNC_Polyhedron_from_Int8_Box_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Int8_Box_t ph, int complexity)
- int ppl_new_C_Polyhedron_from_Int16_Box_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_NNC_Polyhedron_from_Int16_Box_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_C_Polyhedron_from_Int32_Box_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_NNC_Polyhedron_from_Int32_Box_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_C_Polyhedron_from_Int64_Box_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_NNC_Polyhedron_from_Int64_Box_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_C_Polyhedron_from_Uint8_Box_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_NNC_Polyhedron_from_Uint8_Box_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_C_Polyhedron_from_Uint16_Box_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_NNC_Polyhedron_from_Uint16_Box_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_C_Polyhedron_from_Uint32_Box_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Uint32_Box_t ph, int complexity)
- int ppl_new_NNC_Polyhedron_from_Uint32_Box_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Uint32_Box_t ph, int complexity)

- int ppl_new_C_Polyhedron_from_Uint64_Box_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_NNC_Polyhedron_from_Uint64_Box_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_C_Polyhedron_from_Z_Box_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_NNC_Polyhedron_from_Z_Box_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_C_Polyhedron_from_Rational_Box_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_NNC_Polyhedron_from_Rational_Box_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_C_Polyhedron_from_BD_Shape_int8_t_with_complexity (ppl_Polyhedron_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)
- int ppl_new_NNC_Polyhedron_from_BD_Shape_int8_t_with_complexity (ppl_Polyhedron_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)
- int ppl_new_C_Polyhedron_from_BD_Shape_int16_t_with_complexity (ppl_Polyhedron_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_NNC_Polyhedron_from_BD_Shape_int16_t_with_complexity (ppl_Polyhedron_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_C_Polyhedron_from_BD_Shape_int32_t_with_complexity (ppl_Polyhedron_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_NNC_Polyhedron_from_BD_Shape_int32_t_with_complexity (ppl_Polyhedron_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_C_Polyhedron_from_BD_Shape_int64_t_with_complexity (ppl_Polyhedron_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_NNC_Polyhedron_from_BD_Shape_int64_t_with_complexity (ppl_Polyhedron_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_C_Polyhedron_from_BD_Shape_mpz_class_with_complexity (ppl_Polyhedron_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_NNC_Polyhedron_from_BD_Shape_mpz_class_with_complexity (ppl_Polyhedron_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_C_Polyhedron_from_BD_Shape_mpq_class_with_complexity (ppl_Polyhedron_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_NNC_Polyhedron_from_BD_Shape_mpq_class_with_complexity (ppl_Polyhedron_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_C_Polyhedron_from_Octagonal_Shape_int8_t_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_NNC_Polyhedron_from_Octagonal_Shape_int8_t_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_C_Polyhedron_from_Octagonal_Shape_int16_t_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_NNC_Polyhedron_from_Octagonal_Shape_int16_t_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_C_Polyhedron_from_Octagonal_Shape_int32_t_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_NNC_Polyhedron_from_Octagonal_Shape_int32_t_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_C_Polyhedron_from_Octagonal_Shape_int64_t_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_new_NNC_Polyhedron_from_Octagonal_Shape_int64_t_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)

- int ppl_new_C_Polyhedron_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_NNC_Polyhedron_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_C_Polyhedron_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_NNC_Polyhedron_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_C_Polyhedron_from_Grid_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_NNC_Polyhedron_from_Grid_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_C_Polyhedron_from_Float_Box_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_NNC_Polyhedron_from_Float_Box_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_C_Polyhedron_from_BD_Shape_float_with_complexity (ppl_Polyhedron_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)
- int ppl_new_NNC_Polyhedron_from_BD_Shape_float_with_complexity (ppl_Polyhedron_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)
- int ppl_new_C_Polyhedron_from_Octagonal_Shape_float_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_NNC_Polyhedron_from_Octagonal_Shape_float_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_C_Polyhedron_from_Double_Box_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_NNC_Polyhedron_from_Double_Box_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_C_Polyhedron_from_BD_Shape_double_with_complexity (ppl_Polyhedron_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_NNC_Polyhedron_from_BD_Shape_double_with_complexity (ppl_Polyhedron_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_C_Polyhedron_from_Octagonal_Shape_double_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_NNC_Polyhedron_from_Octagonal_Shape_double_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_C_Polyhedron_from_Long_Double_Box_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_NNC_Polyhedron_from_Long_Double_Box_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_C_Polyhedron_from_BD_Shape_long_double_with_complexity (ppl_Polyhedron_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_NNC_Polyhedron_from_BD_Shape_long_double_with_complexity (ppl_Polyhedron_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_C_Polyhedron_from_Octagonal_Shape_long_double_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_NNC_Polyhedron_from_Octagonal_Shape_long_double_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_Polyhedron_relation_with_Congruence (ppl_const_Polyhedron_t ph, ppl_const_Congruence_t c)
- int ppl_Polyhedron_minimize (ppl_const_Polyhedron_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)

- int ppl_Polyhedron_frequency (ppl_const_Polyhedron_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_fn, ppl_Coefficient_t ext_fd, ppl_Coefficient_t ext_vn, ppl_Coefficient_t ext_vd)
- int ppl_Polyhedron_upper_bound_assign_if_exact (ppl_Polyhedron_t x, ppl_const_Polyhedron_t y)
- int ppl_Polyhedron_poly_hull_assign_if_exact (ppl_Polyhedron_t x, ppl_const_Polyhedron_t y)
- int ppl_Polyhedron_drop_some_non_integer_points (ppl_Polyhedron_t ph, int complexity)
- int ppl_Polyhedron_drop_some_non_integer_points_2 (ppl_Polyhedron_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Polyhedron_widening_assign_with_tokens (ppl_Polyhedron_t x, ppl_const_Polyhedron_t y, unsigned *tp)
- int ppl_Polyhedron_widening_assign (ppl_Polyhedron_t x, ppl_const_Polyhedron_t y)
- int ppl_Polyhedron_linear_partition (ppl_const_Polyhedron_t x, ppl_const_Polyhedron_t y, ppl_Polyhedron_t *p_inters, ppl_Pointset_Powerset_NNC_Polyhedron_t *p_rest)
- int ppl_Polyhedron_wrap_assign (ppl_Polyhedron_t ph, ppl_dimension_type ds[ ], size_t n, enum ppl_enum_Bounded_Integer_Type_Width w, enum ppl_enum_Bounded_Integer_Type_Representation r, enum ppl_enum_Bounded_Integer_Type_Overflow o, const ppl_const_Constraint_System_t *pcs, unsigned complexity_threshold, int wrap_individually)
- int ppl_termination_test_MS_C_Polyhedron (ppl_const_Polyhedron_t pset)
- int ppl_termination_test_PR_C_Polyhedron (ppl_const_Polyhedron_t pset)
- int ppl_termination_test_MS_NNC_Polyhedron (ppl_const_Polyhedron_t pset)
- int ppl_termination_test_PR_NNC_Polyhedron (ppl_const_Polyhedron_t pset)
- int ppl_one_affine_ranking_function_MS_C_Polyhedron (ppl_const_Polyhedron_t pset, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_C_Polyhedron (ppl_const_Polyhedron_t pset, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_MS_NNC_Polyhedron (ppl_const_Polyhedron_t pset, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_NNC_Polyhedron (ppl_const_Polyhedron_t pset, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_C_Polyhedron (ppl_const_Polyhedron_t pset, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_C_Polyhedron (ppl_const_Polyhedron_t pset, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_MS_NNC_Polyhedron (ppl_const_Polyhedron_t pset, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_NNC_Polyhedron (ppl_const_Polyhedron_t pset, ppl_Polyhedron_t ph)
- int ppl_termination_test_MS_C_Polyhedron_2 (ppl_const_Polyhedron_t pset_before, ppl_const_Polyhedron_t pset_after)
- int ppl_termination_test_PR_C_Polyhedron_2 (ppl_const_Polyhedron_t pset_before, ppl_const_Polyhedron_t pset_after)
- int ppl_termination_test_MS_NNC_Polyhedron_2 (ppl_const_Polyhedron_t pset_before, ppl_const_Polyhedron_t pset_after)
- int ppl_termination_test_PR_NNC_Polyhedron_2 (ppl_const_Polyhedron_t pset_before, ppl_const_Polyhedron_t pset_after)
- int ppl_one_affine_ranking_function_MS_C_Polyhedron_2 (ppl_const_Polyhedron_t pset_before, ppl_const_Polyhedron_t pset_after, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_C_Polyhedron_2 (ppl_const_Polyhedron_t pset_before, ppl_const_Polyhedron_t pset_after, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_MS_NNC_Polyhedron_2 (ppl_const_Polyhedron_t pset_before, ppl_const_Polyhedron_t pset_after, ppl_Generator_t point)

- int ppl_one_affine_ranking_function_PR_NNC_Polyhedron_2 (ppl_const_Polyhedron_t pset_before, ppl_const_Polyhedron_t pset_after, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_C_Polyhedron_2 (ppl_const_Polyhedron_t pset_before, ppl_const_Polyhedron_t pset_after, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_C_Polyhedron_2 (ppl_const_Polyhedron_t pset_before, ppl_const_Polyhedron_t pset_after, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_MS_NNC_Polyhedron_2 (ppl_const_Polyhedron_t pset_before, ppl_const_Polyhedron_t pset_after, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_NNC_Polyhedron_2 (ppl_const_Polyhedron_t pset_before, ppl_const_Polyhedron_t pset_after, ppl_Polyhedron_t ph)

Constructors and Assignment for C_Polyhedron

- int ppl_new_C_Polyhedron_from_space_dimension (ppl_Polyhedron_t *pph, ppl_dimension_type d, int empty)

  Builds a C polyhedron of dimension `d` and writes an handle to it at address `pph`. If `empty` is different from zero, the newly created polyhedron will be empty; otherwise, it will be a universe polyhedron.

- int ppl_new_C_Polyhedron_from_C_Polyhedron (ppl_Polyhedron_t *pph, ppl_const_Polyhedron_t ph)

  Builds a C polyhedron that is a copy of `ph`; writes a handle for the newly created polyhedron at address `pph`.

- int ppl_new_C_Polyhedron_from_C_Polyhedron_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Polyhedron_t ph, int complexity)

  Builds a C polyhedron that is a copy of `ph`; writes a handle for the newly created polyhedron at address `pph`.

- int ppl_new_C_Polyhedron_from_Constraint_System (ppl_Polyhedron_t *pph, ppl_const_Constraint_System_t cs)

  Builds a new C polyhedron from the system of constraints `cs` and writes a handle for the newly created polyhedron at address `pph`.

- int ppl_new_C_Polyhedron_recycle_Constraint_System (ppl_Polyhedron_t *pph, ppl_Constraint_System_t cs)

  Builds a new C polyhedron recycling the system of constraints `cs` and writes a handle for the newly created polyhedron at address `pph`.

- int ppl_new_C_Polyhedron_from_Congruence_System (ppl_Polyhedron_t *pph, ppl_const_Congruence_System_t cs)

  Builds a new C polyhedron from the system of congruences `cs` and writes a handle for the newly created polyhedron at address `pph`.

- int ppl_new_C_Polyhedron_recycle_Congruence_System (ppl_Polyhedron_t *pph, ppl_Congruence_System_t cs)

  Builds a new C polyhedron recycling the system of congruences `cs` and writes a handle for the newly created polyhedron at address `pph`.

- int ppl_assign_C_Polyhedron_from_C_Polyhedron (ppl_Polyhedron_t dst, ppl_const_Polyhedron_t src)

  Assigns a copy of the C polyhedron `src` to the C polyhedron `dst`.

Constructors and Assignment for NNC_Polyhedron

- int ppl_new_NNC_Polyhedron_from_space_dimension (ppl_Polyhedron_t *pph, ppl_dimension_type d, int empty)

  Builds an NNC polyhedron of dimension `d` *and writes an handle to it at address* `pph`*. If* `empty` *is different from zero, the newly created polyhedron will be empty; otherwise, it will be a universe polyhedron.*

- int ppl_new_NNC_Polyhedron_from_NNC_Polyhedron (ppl_Polyhedron_t *pph, ppl_const_Polyhedron_t ph)

  Builds an NNC polyhedron that is a copy of `ph`*; writes a handle for the newly created polyhedron at address* `pph`*.*

- int ppl_new_NNC_Polyhedron_from_NNC_Polyhedron_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Polyhedron_t ph, int complexity)

  Builds an NNC polyhedron that is a copy of `ph`*; writes a handle for the newly created polyhedron at address* `pph`*.*

- int ppl_new_NNC_Polyhedron_from_Constraint_System (ppl_Polyhedron_t *pph, ppl_const_Constraint_System_t cs)

  Builds a new NNC polyhedron from the system of constraints `cs` *and writes a handle for the newly created polyhedron at address* `pph`*.*

- int ppl_new_NNC_Polyhedron_recycle_Constraint_System (ppl_Polyhedron_t *pph, ppl_Constraint_System_t cs)

  Builds a new NNC polyhedron recycling the system of constraints `cs` *and writes a handle for the newly created polyhedron at address* `pph`*.*

- int ppl_new_NNC_Polyhedron_from_Congruence_System (ppl_Polyhedron_t *pph, ppl_const_Congruence_System_t cs)

  Builds a new NNC polyhedron from the system of congruences `cs` *and writes a handle for the newly created polyhedron at address* `pph`*.*

- int ppl_new_NNC_Polyhedron_recycle_Congruence_System (ppl_Polyhedron_t *pph, ppl_Congruence_System_t cs)

  Builds a new NNC polyhedron recycling the system of congruences `cs` *and writes a handle for the newly created polyhedron at address* `pph`*.*

- int ppl_assign_NNC_Polyhedron_from_NNC_Polyhedron (ppl_Polyhedron_t dst, ppl_const_Polyhedron_t src)

  Assigns a copy of the NNC polyhedron `src` *to the NNC polyhedron* `dst`*.*

Constructors Behaving as Conversion Operators

Besides the conversions listed here below, the library also provides conversion operators that build a semantic geometric description starting from ***any*** *other semantic geometric description (e.g., ppl_new_Grid_from_C_Polyhedron, ppl_new_C_Polyhedron_from_BD_Shape_mpq_class, etc.). Clearly, the conversion operators are only available if both the source and the target semantic geometric descriptions have been enabled when configuring the library. The conversions also taking as argument a complexity class sometimes provide non-trivial precision/efficiency trade-offs.*

- int ppl_new_C_Polyhedron_from_NNC_Polyhedron (ppl_Polyhedron_t *pph, ppl_const_Polyhedron_t ph)

  Builds a C polyhedron that is a copy of the topological closure of the NNC polyhedron `ph`*; writes a handle for the newly created polyhedron at address* `pph`*.*

- int ppl_new_C_Polyhedron_from_NNC_Polyhedron_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Polyhedron_t ph, int complexity)

Builds a C polyhedron that approximates NNC_Polyhedron `ph`*, using an algorithm whose complexity does not exceed* `complexity`*; writes a handle for the newly created polyhedron at address* `pph`*.*

- int ppl_new_NNC_Polyhedron_from_C_Polyhedron (ppl_Polyhedron_t *pph, ppl_const_Polyhedron_t ph)

  Builds an NNC polyhedron that is a copy of the C polyhedron `ph`*; writes a handle for the newly created polyhedron at address* `pph`*.*

- int ppl_new_NNC_Polyhedron_from_C_Polyhedron_with_complexity (ppl_Polyhedron_t *pph, ppl_const_Polyhedron_t ph, int complexity)

  Builds an NNC polyhedron that approximates C_Polyhedron `ph`*, using an algorithm whose complexity does not exceed* `complexity`*; writes a handle for the newly created polyhedron at address* `pph`*.*

Destructor for (C or NNC) Polyhedra

- int ppl_delete_Polyhedron (ppl_const_Polyhedron_t ph)

  Invalidates the handle `ph`*: this makes sure the corresponding resources will eventually be released.*

Functions that Do Not Modify the Polyhedron

- int ppl_Polyhedron_space_dimension (ppl_const_Polyhedron_t ph, ppl_dimension_type *m)

  Writes to `m` *the dimension of the vector space enclosing* `ph`*.*

- int ppl_Polyhedron_affine_dimension (ppl_const_Polyhedron_t ph, ppl_dimension_type *m)

  Writes to `m` *the affine dimension of* `ph` *(not to be confused with the dimension of its enclosing vector space) or 0, if* `ph` *is empty.*

- int ppl_Polyhedron_relation_with_Constraint (ppl_const_Polyhedron_t ph, ppl_const_Constraint_t c)

  Checks the relation between the polyhedron `ph` *and the constraint* `c`*.*

- int ppl_Polyhedron_relation_with_Generator (ppl_const_Polyhedron_t ph, ppl_const_Generator_t g)

  Checks the relation between the polyhedron `ph` *and the generator* `g`*.*

- int ppl_Polyhedron_get_constraints (ppl_const_Polyhedron_t ph, ppl_const_Constraint_System_t *pcs)

  Writes a const handle to the constraint system defining the polyhedron `ph` *at address* `pcs`*.*

- int ppl_Polyhedron_get_congruences (ppl_const_Polyhedron_t ph, ppl_const_Congruence_System_t *pcs)

  Writes at address `pcs` *a const handle to a system of congruences approximating the polyhedron* `ph`*.*

- int ppl_Polyhedron_get_minimized_constraints (ppl_const_Polyhedron_t ph, ppl_const_Constraint_System_t *pcs)

  Writes a const handle to the minimized constraint system defining the polyhedron `ph` *at address* `pcs`*.*

- int ppl_Polyhedron_get_minimized_congruences (ppl_const_Polyhedron_t ph, ppl_const_Congruence_System_t *pcs)

  Writes at address `pcs` *a const handle to a system of minimized congruences approximating the polyhedron* `ph`*.*

- int ppl_Polyhedron_is_empty (ppl_const_Polyhedron_t ph)

Returns a positive integer if `ph` *is empty; returns 0 if* `ph` *is not empty.*

- int ppl_Polyhedron_is_universe (ppl_const_Polyhedron_t ph)
  Returns a positive integer if `ph` *is a universe polyhedron; returns 0 if it is not.*

- int ppl_Polyhedron_is_bounded (ppl_const_Polyhedron_t ph)
  Returns a positive integer if `ph` *is bounded; returns 0 if* `ph` *is unbounded.*

- int ppl_Polyhedron_contains_integer_point (ppl_const_Polyhedron_t ph)
  Returns a positive integer if `ph` *contains at least one integer point; returns 0 otherwise.*

- int ppl_Polyhedron_is_topologically_closed (ppl_const_Polyhedron_t ph)
  Returns a positive integer if `ph` *is topologically closed; returns 0 if* `ph` *is not topologically closed.*

- int ppl_Polyhedron_is_discrete (ppl_const_Polyhedron_t ph)
  Returns a positive integer if `ph` *is a discrete set; returns 0 if* `ph` *is not a discrete set.*

- int ppl_Polyhedron_constrains (ppl_Polyhedron_t ph, ppl_dimension_type var)
  Returns a positive integer if `ph` *constrains* `var`*; returns 0 if* `ph` *does not constrain* `var`*.*

- int ppl_Polyhedron_bounds_from_above (ppl_const_Polyhedron_t ph, ppl_const_Linear_Expression_t le)
  Returns a positive integer if `le` *is bounded from above in* `ph`*; returns 0 otherwise.*

- int ppl_Polyhedron_bounds_from_below (ppl_const_Polyhedron_t ph, ppl_const_Linear_Expression_t le)
  Returns a positive integer if `le` *is bounded from below in* `ph`*; returns 0 otherwise.*

- int ppl_Polyhedron_maximize_with_point (ppl_const_Polyhedron_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t sup_n, ppl_Coefficient_t sup_d, int *pmaximum, ppl_Generator_t point)
  Returns a positive integer if `ph` *is not empty and* `le` *is bounded from above in* `ph`*, in which case the supremum value and a point where* `le` *reaches it are computed.*

- int ppl_Polyhedron_maximize (ppl_const_Polyhedron_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t sup_n, ppl_Coefficient_t sup_d, int *pmaximum)
  The same as ppl_Polyhedron_maximize_with_point, but without the output argument for the location where the supremum value is reached.

- int ppl_Polyhedron_minimize_with_point (ppl_const_Polyhedron_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t inf_n, ppl_Coefficient_t inf_d, int *pminimum, ppl_Generator_t point)
  Returns a positive integer if `ph` *is not empty and* `le` *is bounded from below in* `ph`*, in which case the infimum value and a point where* `le` *reaches it are computed.*

- int ppl_Polyhedron_minimize_with_point (ppl_const_Polyhedron_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t inf_n, ppl_Coefficient_t inf_d, int *pminimum)
  The same as ppl_Polyhedron_minimize_with_point, but without the output argument for the location where the infimum value is reached.

- int ppl_Polyhedron_contains_Polyhedron (ppl_const_Polyhedron_t x, ppl_const_Polyhedron_t y)
  Returns a positive integer if `x` *contains or is equal to* `y`*; returns 0 if it does not.*

- int ppl_Polyhedron_strictly_contains_Polyhedron (ppl_const_Polyhedron_t x, ppl_const_Polyhedron_t y)

Returns a positive integer if `x` *strictly contains* `y`*; returns 0 if it does not.*

- int ppl_Polyhedron_is_disjoint_from_Polyhedron (ppl_const_Polyhedron_t x, ppl_const_Polyhedron_t y)
  Returns a positive integer if `x` *and* `y` *are disjoint; returns 0 if they are not.*

- int ppl_Polyhedron_equals_Polyhedron (ppl_const_Polyhedron_t x, ppl_const_Polyhedron_t y)
  Returns a positive integer if `x` *and* `y` *are the same polyhedron; returns 0 if they are different.*

- int ppl_Polyhedron_OK (ppl_const_Polyhedron_t ph)
  Returns a positive integer if `ph` *is well formed, i.e., if it satisfies all its implementation invariants; returns 0 and perhaps makes some noise if* `ph` *is broken. Useful for debugging purposes.*

- int ppl_Polyhedron_external_memory_in_bytes (ppl_const_Polyhedron_t ph, size_t *sz)
  Writes to `sz` *a lower bound to the size in bytes of the memory managed by* `ph`*.*

- int ppl_Polyhedron_total_memory_in_bytes (ppl_const_Polyhedron_t ph, size_t *sz)
  Writes to `sz` *a lower bound to the size in bytes of the memory managed by* `ph`*.*

Space Dimension Preserving Functions that May Modify the Polyhedron

- int ppl_Polyhedron_add_constraint (ppl_Polyhedron_t ph, ppl_const_Constraint_t c)
  Adds a copy of the constraint `c` *to the system of constraints of* `ph`*.*

- int ppl_Polyhedron_add_congruence (ppl_Polyhedron_t ph, ppl_const_Congruence_t c)
  Adds a copy of the congruence `c` *to polyhedron of* `ph`*.*

- int ppl_Polyhedron_add_constraints (ppl_Polyhedron_t ph, ppl_const_Constraint_System_t cs)
  Adds a copy of the system of constraints `cs` *to the system of constraints of* `ph`*.*

- int ppl_Polyhedron_add_congruences (ppl_Polyhedron_t ph, ppl_const_Congruence_System_t cs)
  Adds a copy of the system of congruences `cs` *to the polyhedron* `ph`*.*

- int ppl_Polyhedron_add_recycled_constraints (ppl_Polyhedron_t ph, ppl_Constraint_System_t cs)
  Adds the system of constraints `cs` *to the system of constraints of* `ph`*.*

- int ppl_Polyhedron_add_recycled_congruences (ppl_Polyhedron_t ph, ppl_Congruence_System_t cs)
  Adds the system of congruences `cs` *to the polyhedron* `ph`*.*

- int ppl_Polyhedron_refine_with_constraint (ppl_Polyhedron_t ph, ppl_const_Constraint_t c)
  Refines `ph` *using constraint* `c`*.*

- int ppl_Polyhedron_refine_with_congruence (ppl_Polyhedron_t ph, ppl_const_Congruence_t c)
  Refines `ph` *using congruence* `c`*.*

- int ppl_Polyhedron_refine_with_constraints (ppl_Polyhedron_t ph, ppl_const_Constraint_System_t cs)
  Refines `ph` *using the constraints in* `cs`*.*

- int ppl_Polyhedron_refine_with_congruences (ppl_Polyhedron_t ph, ppl_const_Congruence_System_t cs)

Refines `ph` *using the congruences in* `cs`.

- int ppl_Polyhedron_intersection_assign (ppl_Polyhedron_t x, ppl_const_Polyhedron_t y)

  Intersects `x` *with polyhedron* `y` *and assigns the result to* `x`.

- int ppl_Polyhedron_upper_bound_assign (ppl_Polyhedron_t x, ppl_const_Polyhedron_t y)

  Assigns to `x` *an upper bound of* `x` *and* `y`.

- int ppl_Polyhedron_difference_assign (ppl_Polyhedron_t x, ppl_const_Polyhedron_t y)

  Same as ppl_Polyhedron_poly_difference_assign(x, y).

- int ppl_Polyhedron_simplify_using_context_assign (ppl_Polyhedron_t x, ppl_const_Polyhedron_t y)

  Assigns to `x` *the meet-preserving simplification of* `x` *with respect to context* `y`. *Returns a positive integer if* `x` *and* `y` *have a nonempty intersection; returns* `0` *if they are disjoint.*

- int ppl_Polyhedron_time_elapse_assign (ppl_Polyhedron_t x, ppl_const_Polyhedron_t y)

  Assigns to `x` *the time-elapse between the polyhedra* `x` *and* `y`.

- int ppl_Polyhedron_topological_closure_assign (ppl_Polyhedron_t ph)

  Assigns to `ph` *its topological closure.*

- int ppl_Polyhedron_unconstrain_space_dimension (ppl_Polyhedron_t ph, ppl_dimension_type var)

  Modifies `ph` *by unconstraining the space dimension* `var`.

- int ppl_Polyhedron_unconstrain_space_dimensions (ppl_Polyhedron_t ph, ppl_dimension_type ds[ ], size_t n)

  Modifies `ph` *by unconstraining the space dimensions that are specified in the first* `n` *positions of the array* `ds`. *The presence of duplicates in* `ds` *is a waste but an innocuous one.*

- int ppl_Polyhedron_affine_image (ppl_Polyhedron_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)

  Transforms the polyhedron `ph`, *assigning an affine expression to the specified variable.*

- int ppl_Polyhedron_affine_preimage (ppl_Polyhedron_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)

  Transforms the polyhedron `ph`, *substituting an affine expression to the specified variable.*

- int ppl_Polyhedron_bounded_affine_image (ppl_Polyhedron_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)

  Assigns to `ph` *the image of* `ph` *with respect to the generalized affine transfer relation* $\frac{\mathrm{lb}}{\mathrm{d}} \leq \mathrm{var}' \leq \frac{\mathrm{ub}}{\mathrm{d}}$.

- int ppl_Polyhedron_bounded_affine_preimage (ppl_Polyhedron_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)

  Assigns to `ph` *the preimage of* `ph` *with respect to the generalized affine transfer relation* $\frac{\mathrm{lb}}{\mathrm{d}} \leq \mathrm{var}' \leq \frac{\mathrm{ub}}{\mathrm{d}}$.

- int ppl_Polyhedron_generalized_affine_image (ppl_Polyhedron_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)

  Assigns to `ph` *the image of* `ph` *with respect to the generalized affine transfer relation* $\mathrm{var}' \bowtie \frac{\mathrm{le}}{\mathrm{d}}$, *where* $\bowtie$ *is the relation symbol encoded by* `relsym`.

- int ppl_Polyhedron_generalized_affine_preimage (ppl_Polyhedron_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)

  Assigns to `ph` *the preimage of* `ph` *with respect to the generalized affine transfer relation* $\mathrm{var}' \bowtie \frac{\mathrm{le}}{\mathrm{d}}$, *where* $\bowtie$ *is the relation symbol encoded by* `relsym`.

- int ppl_Polyhedron_generalized_affine_image_lhs_rhs (ppl_Polyhedron_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)

  Assigns to `ph` *the image of* `ph` *with respect to the generalized affine transfer relation* $\mathrm{lhs}' \bowtie \mathrm{rhs}$, *where* $\bowtie$ *is the relation symbol encoded by* `relsym`.

- int ppl_Polyhedron_generalized_affine_preimage_lhs_rhs (ppl_Polyhedron_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)

  Assigns to `ph` *the preimage of* `ph` *with respect to the generalized affine transfer relation* $\mathrm{lhs}' \bowtie \mathrm{rhs}$, *where* $\bowtie$ *is the relation symbol encoded by* `relsym`.

Functions that May Modify the Dimension of the Vector Space

- int ppl_Polyhedron_concatenate_assign (ppl_Polyhedron_t x, ppl_const_Polyhedron_t y)

  Seeing a polyhedron as a set of tuples (its points), assigns to `x` *all the tuples that can be obtained by concatenating, in the order given, a tuple of* `x` *with a tuple of* `y`.

- int ppl_Polyhedron_add_space_dimensions_and_embed (ppl_Polyhedron_t ph, ppl_dimension_type d)

  Adds `d` *new dimensions to the space enclosing the polyhedron* `ph` *and to* `ph` *itself.*

- int ppl_Polyhedron_add_space_dimensions_and_project (ppl_Polyhedron_t ph, ppl_dimension_type d)

  Adds `d` *new dimensions to the space enclosing the polyhedron* `ph`.

- int ppl_Polyhedron_remove_space_dimensions (ppl_Polyhedron_t ph, ppl_dimension_type ds[ ], size_t n)

  Removes from the vector space enclosing `ph` *the space dimensions that are specified in first* `n` *positions of the array* `ds`. *The presence of duplicates in* `ds` *is a waste but an innocuous one.*

- int ppl_Polyhedron_remove_higher_space_dimensions (ppl_Polyhedron_t ph, ppl_dimension_type d)

  Removes the higher dimensions from the vector space enclosing `ph` *so that, upon successful return, the new space dimension is* `d`.

- int ppl_Polyhedron_map_space_dimensions (ppl_Polyhedron_t ph, ppl_dimension_type maps[ ], size_t n)

  Remaps the dimensions of the vector space according to a partial function. This function is specified by means of the `maps` *array, which has* `n` *entries.*

- int ppl_Polyhedron_expand_space_dimension (ppl_Polyhedron_t ph, ppl_dimension_type d, ppl_dimension_type m)

  Expands the d-th dimension of the vector space enclosing `ph` *to* `m` *new space dimensions.*

- int ppl_Polyhedron_fold_space_dimensions (ppl_Polyhedron_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)

  Modifies `ph` *by folding the space dimensions contained in the first* `n` *positions of the array* `ds` *into dimension* `d`. *The presence of duplicates in* `ds` *is a waste but an innocuous one.*

Input/Output Functions

- int ppl_io_print_Polyhedron (ppl_const_Polyhedron_t x)
  Prints `x` *to* `stdout`.
- int ppl_io_fprint_Polyhedron (FILE *stream, ppl_const_Polyhedron_t x)
  Prints `x` *to the given output* `stream`.
- int ppl_io_asprint_Polyhedron (char **strp, ppl_const_Polyhedron_t x)
  Prints `x` *to a malloc-allocated string, a pointer to which is returned via* `strp`.
- int ppl_Polyhedron_ascii_dump (ppl_const_Polyhedron_t x, FILE *stream)
  Dumps an ascii representation of `x` *on* `stream`.
- int ppl_Polyhedron_ascii_load (ppl_Polyhedron_t x, FILE *stream)
  Loads an ascii representation of `x` *from* `stream`.

Ad Hoc Functions for (C or NNC) Polyhedra

The functions listed here below, being specific of the polyhedron domains, do not have a correspondence in other semantic geometric descriptions.

- int ppl_new_C_Polyhedron_from_Generator_System (ppl_Polyhedron_t *pph, ppl_const_Generator_System_t gs)
  Builds a new C polyhedron from the system of generators `gs` *and writes a handle for the newly created polyhedron at address* `pph`.
- int ppl_new_C_Polyhedron_recycle_Generator_System (ppl_Polyhedron_t *pph, ppl_Generator_System_t gs)
  Builds a new C polyhedron recycling the system of generators `gs` *and writes a handle for the newly created polyhedron at address* `pph`.
- int ppl_new_NNC_Polyhedron_from_Generator_System (ppl_Polyhedron_t *pph, ppl_const_Generator_System_t gs)
  Builds a new NNC polyhedron from the system of generators `gs` *and writes a handle for the newly created polyhedron at address* `pph`.
- int ppl_new_NNC_Polyhedron_recycle_Generator_System (ppl_Polyhedron_t *pph, ppl_Generator_System_t gs)
  Builds a new NNC polyhedron recycling the system of generators `gs` *and writes a handle for the newly created polyhedron at address* `pph`.
- int ppl_Polyhedron_get_generators (ppl_const_Polyhedron_t ph, ppl_const_Generator_System_t *pgs)
  Writes a const handle to the generator system defining the polyhedron `ph` *at address* `pgs`.
- int ppl_Polyhedron_get_minimized_generators (ppl_const_Polyhedron_t ph, ppl_const_Generator_System_t *pgs)
  Writes a const handle to the minimized generator system defining the polyhedron `ph` *at address* `pgs`.
- int ppl_Polyhedron_add_generator (ppl_Polyhedron_t ph, ppl_const_Generator_t g)
  Adds a copy of the generator `g` *to the system of generators of* `ph`.

- int ppl_Polyhedron_add_generators (ppl_Polyhedron_t ph, ppl_const_Generator_System_t gs)

  Adds a copy of the system of generators `gs` to the system of generators of `ph`.

- int ppl_Polyhedron_add_recycled_generators (ppl_Polyhedron_t ph, ppl_Generator_System_t gs)

  Adds the system of generators `gs` to the system of generators of `ph`.

- int ppl_Polyhedron_poly_hull_assign (ppl_Polyhedron_t x, ppl_const_Polyhedron_t y)

  Assigns to `x` the poly-hull of `x` and `y`.

- int ppl_Polyhedron_poly_difference_assign (ppl_Polyhedron_t x, ppl_const_Polyhedron_t y)

  Assigns to `x` the poly-difference of `x` and `y`.

- int wrap_assign (ppl_Polyhedron_t ph, ppl_dimension_type ds[ ], size_t n, ppl_enum_Bounded_Integer_Type_Width w, ppl_enum_Bounded_Integer_Type_Representation r, ppl_enum_Bounded_Integer_Type_Overflow o, const ppl_const_Constraint_System_t *pcs, unsigned complexity_threshold, int wrap_individually)

  Assigns to `ph` the polyhedron obtained from `ph` by "wrapping" the vector space defined by the first `n` space dimensions in `ds[]`.

- int ppl_Polyhedron_BHRZ03_widening_assign_with_tokens (ppl_Polyhedron_t x, ppl_const_Polyhedron_t y, unsigned *tp)

  If the polyhedron `y` is contained in (or equal to) the polyhedron `x`, assigns to `x` the BHRZ03-widening of `x` and `y`. If `tp` is not the null pointer, the widening with tokens delay technique is applied with `*tp` available tokens.

- int ppl_Polyhedron_H79_widening_assign_with_tokens (ppl_Polyhedron_t x, ppl_const_Polyhedron_t y, unsigned *tp)

  If the polyhedron `y` is contained in (or equal to) the polyhedron `x`, assigns to `x` the H79-widening of `x` and `y`. If `tp` is not the null pointer, the widening with tokens delay technique is applied with `*tp` available tokens.

- int ppl_Polyhedron_BHRZ03_widening_assign (ppl_Polyhedron_t x, ppl_const_Polyhedron_t y)

  If the polyhedron `y` is contained in (or equal to) the polyhedron `x`, assigns to `x` the BHRZ03-widening of `x` and `y`.

- int ppl_Polyhedron_H79_widening_assign (ppl_Polyhedron_t x, ppl_const_Polyhedron_t y)

  If the polyhedron `y` is contained in (or equal to) the polyhedron `x`, assigns to `x` the H79-widening of `x` and `y`.

- int ppl_Polyhedron_limited_BHRZ03_extrapolation_assign_with_tokens (ppl_Polyhedron_t x, ppl_const_Polyhedron_t y, ppl_const_Constraint_System_t cs, unsigned *tp)

  If the polyhedron `y` is contained in (or equal to) the polyhedron `x`, assigns to `x` the BHRZ03-widening of `x` and `y` intersected with the constraints in `cs` that are satisfied by all the points of `x`. If `tp` is not the null pointer, the widening with tokens delay technique is applied with `*tp` available tokens.

- int ppl_Polyhedron_limited_H79_extrapolation_assign_with_tokens (ppl_Polyhedron_t x, ppl_const_Polyhedron_t y, ppl_const_Constraint_System_t cs, unsigned *tp)

  If the polyhedron `y` is contained in (or equal to) the polyhedron `x`, assigns to `x` the H79-widening of `x` and `y` intersected with the constraints in `cs` that are satisfied by all the points of `x`. If `tp` is not the null pointer, the widening with tokens delay technique is applied with `*tp` available tokens.

- int ppl_Polyhedron_limited_BHRZ03_extrapolation_assign (ppl_Polyhedron_t x, ppl_const_Polyhedron_t y, ppl_const_Constraint_System_t cs)

If the polyhedron `y` *is contained in (or equal to) the polyhedron* `x`*, assigns to* `x` *the BHRZ03-widening of* `x` *and* `y` *intersected with the constraints in* `cs` *that are satisfied by all the points of* `x`*.*

- int ppl_Polyhedron_limited_H79_extrapolation_assign (ppl_Polyhedron_t x, ppl_const_Polyhedron_t y, ppl_const_Constraint_System_t cs)

  If the polyhedron `y` *is contained in (or equal to) the polyhedron* `x`*, assigns to* `x` *the H79-widening of* `x` *and* `y` *intersected with the constraints in* `cs` *that are satisfied by all the points of* `x`*.*

- int ppl_Polyhedron_bounded_BHRZ03_extrapolation_assign_with_tokens (ppl_Polyhedron_t x, ppl_const_Polyhedron_t y, ppl_const_Constraint_System_t cs, unsigned *tp)

  If the polyhedron `y` *is contained in (or equal to) the polyhedron* `x`*, assigns to* `x` *the BHRZ03-widening of* `x` *and* `y` *intersected with the constraints in* `cs` *that are satisfied by all the points of* `x`*, further intersected with all the constraints of the form* $\pm v \leq r$ *and* $\pm v < r$*, with* $r \in \mathbb{Q}$*, that are satisfied by all the points of* `x`*. If* `tp` *is not the null pointer, the widening with tokens delay technique is applied with* `*tp` *available tokens.*

- int ppl_Polyhedron_bounded_H79_extrapolation_assign_with_tokens (ppl_Polyhedron_t x, ppl_const_Polyhedron_t y, ppl_const_Constraint_System_t cs, unsigned *tp)

  If the polyhedron `y` *is contained in (or equal to) the polyhedron* `x`*, assigns to* `x` *the H79-widening of* `x` *and* `y` *intersected with the constraints in* `cs` *that are satisfied by all the points of* `x`*, further intersected with all the constraints of the form* $\pm v \leq r$ *and* $\pm v < r$*, with* $r \in \mathbb{Q}$*, that are satisfied by all the points of* `x`*. If* `tp` *is not the null pointer, the widening with tokens delay technique is applied with* `*tp` *available tokens.*

- int ppl_Polyhedron_bounded_BHRZ03_extrapolation_assign (ppl_Polyhedron_t x, ppl_const_Polyhedron_t y, ppl_const_Constraint_System_t cs)

  If the polyhedron `y` *is contained in (or equal to) the polyhedron* `x`*, assigns to* `x` *the BHRZ03-widening of* `x` *and* `y` *intersected with the constraints in* `cs` *that are satisfied by all the points of* `x`*, further intersected with all the constraints of the form* $\pm v \leq r$ *and* $\pm v < r$*, with* $r \in \mathbb{Q}$*, that are satisfied by all the points of* `x`*.*

- int ppl_Polyhedron_bounded_H79_extrapolation_assign (ppl_Polyhedron_t x, ppl_const_Polyhedron_t y, ppl_const_Constraint_System_t cs)

  If the polyhedron `y` *is contained in (or equal to) the polyhedron* `x`*, assigns to* `x` *the H79-widening of* `x` *and* `y` *intersected with the constraints in* `cs` *that are satisfied by all the points of* `x`*, further intersected with all the constraints of the form* $\pm v \leq r$ *and* $\pm v < r$*, with* $r \in \mathbb{Q}$*, that are satisfied by all the points of* `x`*.*

7.154.1 Detailed Description

Types and functions for the domains of C and NNC convex polyhedra. Types and functions for ppl_Polyhedron_tag.

The types and functions for convex polyhedra provide a single interface for accessing both topologically closed (C) and not necessarily closed (NNC) convex polyhedra. The distinction between C and NNC polyhedra need only be explicitly stated when *creating* or *assigning* a polyhedron object, by means of one of the functions `ppl_new_*` and `ppl_assign_*`.

Having a single datatype does not mean that C and NNC polyhedra can be freely interchanged: as specified in the main manual, most library functions require their arguments to be topologically and/or space-dimension compatible.

7.154.2 Friends And Related Function Documentation

7.154.2.1 int ppl_new_C_Polyhedron_from_space_dimension (ppl_Polyhedron_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

Builds a C polyhedron of dimension `d` and writes an handle to it at address `pph`. If `empty` is different from zero, the newly created polyhedron will be empty; otherwise, it will be a universe polyhedron.

7.154.2.2 int ppl_new_C_Polyhedron_from_C_Polyhedron (ppl_Polyhedron_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

Builds a C polyhedron that is a copy of `ph`; writes a handle for the newly created polyhedron at address `pph`.

7.154.2.3 int ppl_new_C_Polyhedron_from_C_Polyhedron_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

Builds a C polyhedron that is a copy of `ph`; writes a handle for the newly created polyhedron at address `pph`.

Note

The complexity argument is ignored.

7.154.2.4 int ppl_new_C_Polyhedron_from_Constraint_System (ppl_Polyhedron_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

Builds a new C polyhedron from the system of constraints `cs` and writes a handle for the newly created polyhedron at address `pph`.

The new polyhedron will inherit the space dimension of `cs`.

7.154.2.5 int ppl_new_C_Polyhedron_recycle_Constraint_System (ppl_Polyhedron_t * *pph*, ppl_Constraint_System_t *cs*) [related]

Builds a new C polyhedron recycling the system of constraints `cs` and writes a handle for the newly created polyhedron at address `pph`.

The new polyhedron will inherit the space dimension of `cs`.

Warning

This function modifies the constraint system referenced by `cs`: upon return, no assumption can be made on its value.

7.154.2.6 int ppl_new_C_Polyhedron_from_Congruence_System (ppl_Polyhedron_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

Builds a new C polyhedron from the system of congruences `cs` and writes a handle for the newly created polyhedron at address `pph`.

The new polyhedron will inherit the space dimension of `cs`.

7.154.2.7 int ppl_new_C_Polyhedron_recycle_Congruence_System (ppl_Polyhedron_t * *pph*, ppl_Congruence_System_t *cs*) [related]

Builds a new C polyhedron recycling the system of congruences `cs` and writes a handle for the newly created polyhedron at address `pph`.

The new polyhedron will inherit the space dimension of `cs`.

Warning

This function modifies the congruence system referenced by `cs:` upon return, no assumption can be made on its value.

7.154.2.8 int ppl_assign_C_Polyhedron_from_C_Polyhedron (ppl_Polyhedron_t *dst*, ppl_const_Polyhedron_t *src*) [related]

Assigns a copy of the C polyhedron `src` to the C polyhedron `dst`.

7.154.2.9 int ppl_new_NNC_Polyhedron_from_space_dimension (ppl_Polyhedron_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

Builds an NNC polyhedron of dimension `d` and writes an handle to it at address `pph`. If `empty` is different from zero, the newly created polyhedron will be empty; otherwise, it will be a universe polyhedron.

7.154.2.10 int ppl_new_NNC_Polyhedron_from_NNC_Polyhedron (ppl_Polyhedron_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

Builds an NNC polyhedron that is a copy of `ph`; writes a handle for the newly created polyhedron at address `pph`.

7.154.2.11 int ppl_new_NNC_Polyhedron_from_NNC_Polyhedron_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

Builds an NNC polyhedron that is a copy of `ph`; writes a handle for the newly created polyhedron at address `pph`.

Note

The complexity argument is ignored.

7.154.2.12 int ppl_new_NNC_Polyhedron_from_Constraint_System (ppl_Polyhedron_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

Builds a new NNC polyhedron from the system of constraints `cs` and writes a handle for the newly created polyhedron at address `pph`.

The new polyhedron will inherit the space dimension of `cs`.

7.154.2.13 int ppl_new_NNC_Polyhedron_recycle_Constraint_System (ppl_Polyhedron_t * *pph*, ppl_Constraint_System_t *cs*) [related]

Builds a new NNC polyhedron recycling the system of constraints `cs` and writes a handle for the newly created polyhedron at address `pph`.

The new polyhedron will inherit the space dimension of `cs`.

Warning

This function modifies the constraint system referenced by `cs:` upon return, no assumption can be made on its value.

7.154.2.14 int ppl_new_NNC_Polyhedron_from_Congruence_System (ppl_Polyhedron_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

Builds a new NNC polyhedron from the system of congruences `cs` and writes a handle for the newly created polyhedron at address `pph`.

The new polyhedron will inherit the space dimension of `cs`.

7.154.2.15 int ppl_new_NNC_Polyhedron_recycle_Congruence_System (ppl_Polyhedron_t * *pph*, ppl_Congruence_System_t *cs*) [related]

Builds a new NNC polyhedron recycling the system of congruences `cs` and writes a handle for the newly created polyhedron at address `pph`.

The new polyhedron will inherit the space dimension of `cs`.

Warning

This function modifies the congruence system referenced by `cs:` upon return, no assumption can be made on its value.

7.154.2.16 int ppl_assign_NNC_Polyhedron_from_NNC_Polyhedron (ppl_Polyhedron_t *dst*, ppl_const_Polyhedron_t *src*) [related]

Assigns a copy of the NNC polyhedron `src` to the NNC polyhedron `dst`.

7.154.2.17 int ppl_new_C_Polyhedron_from_NNC_Polyhedron (ppl_Polyhedron_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

Builds a C polyhedron that is a copy of the topological closure of the NNC polyhedron `ph`; writes a handle for the newly created polyhedron at address `pph`.

7.154.2.18 int ppl_new_C_Polyhedron_from_NNC_Polyhedron_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

Builds a C polyhedron that approximates NNC_Polyhedron `ph`, using an algorithm whose complexity does not exceed `complexity`; writes a handle for the newly created polyhedron at address `pph`.

Note

The complexity argument, which can take values `PPL_COMPLEXITY_CLASS_POLYNOMIAL`, `PPL_COMPLEXITY_CLASS_SIMPLEX` and `PPL_COMPLEXITY_CLASS_ANY`, is ignored since the exact constructor has polynomial complexity.

7.154.2.19 int ppl_new_NNC_Polyhedron_from_C_Polyhedron (ppl_Polyhedron_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

Builds an NNC polyhedron that is a copy of the C polyhedron `ph`; writes a handle for the newly created polyhedron at address `pph`.

7.154.2.20 int ppl_new_NNC_Polyhedron_from_C_Polyhedron_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

Builds an NNC polyhedron that approximates C_Polyhedron `ph`, using an algorithm whose complexity does not exceed `complexity`; writes a handle for the newly created polyhedron at address `pph`.

Note

The complexity argument, which can take values `PPL_COMPLEXITY_CLASS_POLYNOMIAL`, `PPL_COMPLEXITY_CLASS_SIMPLEX` and `PPL_COMPLEXITY_CLASS_ANY`, is ignored since the exact constructor has polynomial complexity.

7.154.2.21 int ppl_delete_Polyhedron (ppl_const_Polyhedron_t *ph*) [related]

Invalidates the handle ph: this makes sure the corresponding resources will eventually be released.

7.154.2.22 int ppl_Polyhedron_space_dimension (ppl_const_Polyhedron_t *ph*, ppl_dimension_type * *m*) [related]

Writes to m the dimension of the vector space enclosing ph.

7.154.2.23 int ppl_Polyhedron_affine_dimension (ppl_const_Polyhedron_t *ph*, ppl_dimension_type * *m*) [related]

Writes to m the affine dimension of ph (not to be confused with the dimension of its enclosing vector space) or 0, if ph is empty.

7.154.2.24 int ppl_Polyhedron_relation_with_Constraint (ppl_const_Polyhedron_t *ph*, ppl_const_Constraint_t *c*) [related]

Checks the relation between the polyhedron ph and the constraint c.

If successful, returns a non-negative integer that is obtained as the bitwise or of the bits (chosen among PPL_POLY_CON_RELATION_IS_DISJOINT PPL_POLY_CON_RELATION_STRICTLY_INTERSECTS, PPL_POLY_CON_RELATION_IS_INCLUDED, and PPL_POLY_CON_RELATION_SATURATES) that describe the relation between ph and c.

7.154.2.25 int ppl_Polyhedron_relation_with_Generator (ppl_const_Polyhedron_t *ph*, ppl_const_Generator_t *g*) [related]

Checks the relation between the polyhedron ph and the generator g.

If successful, returns a non-negative integer that is obtained as the bitwise or of the bits (only PPL_POLY_GEN_RELATION_SUBSUMES, at present) that describe the relation between ph and g.

7.154.2.26 int ppl_Polyhedron_get_constraints (ppl_const_Polyhedron_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

Writes a const handle to the constraint system defining the polyhedron ph at address pcs.

7.154.2.27 int ppl_Polyhedron_get_congruences (ppl_const_Polyhedron_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

Writes at address pcs a const handle to a system of congruences approximating the polyhedron ph.

7.154.2.28 int ppl_Polyhedron_get_minimized_constraints (ppl_const_Polyhedron_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

Writes a const handle to the minimized constraint system defining the polyhedron ph at address pcs.

7.154.2.29 int ppl_Polyhedron_get_minimized_congruences (ppl_const_Polyhedron_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

Writes at address pcs a const handle to a system of minimized congruences approximating the polyhedron ph.

7.154.2.30 int ppl_Polyhedron_is_empty (ppl_const_Polyhedron_t *ph*) [related]

Returns a positive integer if ph is empty; returns 0 if ph is not empty.

7.154.2.31 int ppl_Polyhedron_is_universe (ppl_const_Polyhedron_t *ph*) [related]

Returns a positive integer if ph is a universe polyhedron; returns 0 if it is not.

7.154.2.32 int ppl_Polyhedron_is_bounded (ppl_const_Polyhedron_t *ph*) [related]

Returns a positive integer if ph is bounded; returns 0 if ph is unbounded.

7.154.2.33 int ppl_Polyhedron_contains_integer_point (ppl_const_Polyhedron_t *ph*) [related]

Returns a positive integer if ph contains at least one integer point; returns 0 otherwise.

7.154.2.34 int ppl_Polyhedron_is_topologically_closed (ppl_const_Polyhedron_t *ph*) [related]

Returns a positive integer if ph is topologically closed; returns 0 if ph is not topologically closed.

7.154.2.35 int ppl_Polyhedron_is_discrete (ppl_const_Polyhedron_t *ph*) [related]

Returns a positive integer if ph is a discrete set; returns 0 if ph is not a discrete set.

7.154.2.36 int ppl_Polyhedron_constrains (ppl_Polyhedron_t *ph*, ppl_dimension_type *var*) [related]

Returns a positive integer if ph constrains var; returns 0 if ph does not constrain var.

7.154.2.37 int ppl_Polyhedron_bounds_from_above (ppl_const_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

Returns a positive integer if le is bounded from above in ph; returns 0 otherwise.

7.154.2.38 int ppl_Polyhedron_bounds_from_below (ppl_const_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

Returns a positive integer if le is bounded from below in ph; returns 0 otherwise.

7.154.2.39 int ppl_Polyhedron_maximize_with_point (ppl_const_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *sup_n*, ppl_Coefficient_t *sup_d*, int * *pmaximum*, ppl_Generator_t *point*) [related]

Returns a positive integer if ph is not empty and le is bounded from above in ph, in which case the supremum value and a point where le reaches it are computed.

Parameters

ph The polyhedron constraining le;

le The linear expression to be maximized subject to ph;

sup_n Will be assigned the numerator of the supremum value;

sup_d Will be assigned the denominator of the supremum value;

pmaximum Will store 1 in this location if the supremum is also the maximum, will store 0 otherwise;

point Will be assigned the point or closure point where le reaches the extremum value.

If ph is empty or le is not bounded from above, 0 will be returned and sup_n, sup_d, *pmaximum and point will be left untouched.

7.154.2.40 int ppl_Polyhedron_maximize (ppl_const_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *sup_n*, ppl_Coefficient_t *sup_d*, int * *pmaximum*) [related]

The same as ppl_Polyhedron_maximize_with_point, but without the output argument for the location where the supremum value is reached.

7.154.2.41 int ppl_Polyhedron_minimize_with_point (ppl_const_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *inf_n*, ppl_Coefficient_t *inf_d*, int * *pminimum*, ppl_Generator_t *point*) [related]

Returns a positive integer if `ph` is not empty and `le` is bounded from below in `ph`, in which case the infimum value and a point where `le` reaches it are computed.

Parameters

ph The polyhedron constraining `le`;

le The linear expression to be minimized subject to `ph`;

inf_n Will be assigned the numerator of the infimum value;

inf_d Will be assigned the denominator of the infimum value;

pminimum Will store 1 in this location if the infimum is also the minimum, will store 0 otherwise;

point Will be assigned the point or closure point where `le` reaches the extremum value.

If `ph` is empty or `le` is not bounded from below, 0 will be returned and `sup_n`, `sup_d`, `*pmaximum` and `point` will be left untouched.

7.154.2.42 int ppl_Polyhedron_contains_Polyhedron (ppl_const_Polyhedron_t *x*, ppl_const_Polyhedron_t *y*) [related]

Returns a positive integer if `x` contains or is equal to `y`; returns 0 if it does not.

7.154.2.43 int ppl_Polyhedron_strictly_contains_Polyhedron (ppl_const_Polyhedron_t *x*, ppl_const_Polyhedron_t *y*) [related]

Returns a positive integer if `x` strictly contains `y`; returns 0 if it does not.

7.154.2.44 int ppl_Polyhedron_is_disjoint_from_Polyhedron (ppl_const_Polyhedron_t *x*, ppl_const_Polyhedron_t *y*) [related]

Returns a positive integer if `x` and `y` are disjoint; returns 0 if they are not.

7.154.2.45 int ppl_Polyhedron_equals_Polyhedron (ppl_const_Polyhedron_t *x*, ppl_const_Polyhedron_t *y*) [related]

Returns a positive integer if `x` and `y` are the same polyhedron; returns 0 if they are different.

Note that `x` and `y` may be topology- and/or dimension-incompatible polyhedra: in those cases, the value 0 is returned.

7.154.2.46 int ppl_Polyhedron_OK (ppl_const_Polyhedron_t *ph*) [related]

Returns a positive integer if `ph` is well formed, i.e., if it satisfies all its implementation invariants; returns 0 and perhaps makes some noise if `ph` is broken. Useful for debugging purposes.

7.154.2.47 int ppl_Polyhedron_external_memory_in_bytes (ppl_const_Polyhedron_t *ph*, size_t * *sz*) [related]

Writes to `sz` a lower bound to the size in bytes of the memory managed by `ph`.

7.154.2.48 int ppl_Polyhedron_total_memory_in_bytes (ppl_const_Polyhedron_t *ph*, size_t * *sz*) [related]

Writes to `sz` a lower bound to the size in bytes of the memory managed by `ph`.

7.154.2.49 int ppl_Polyhedron_add_constraint (ppl_Polyhedron_t *ph*, ppl_const_Constraint_t *c*) [related]

Adds a copy of the constraint `c` to the system of constraints of `ph`.

7.154.2.50 int ppl_Polyhedron_add_congruence (ppl_Polyhedron_t *ph*, ppl_const_Congruence_t *c*) [related]

Adds a copy of the congruence `c` to polyhedron of `ph`.

7.154.2.51 int ppl_Polyhedron_add_constraints (ppl_Polyhedron_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

Adds a copy of the system of constraints `cs` to the system of constraints of `ph`.

7.154.2.52 int ppl_Polyhedron_add_congruences (ppl_Polyhedron_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

Adds a copy of the system of congruences `cs` to the polyhedron `ph`.

7.154.2.53 int ppl_Polyhedron_add_recycled_constraints (ppl_Polyhedron_t *ph*, ppl_Constraint_System_t *cs*) [related]

Adds the system of constraints cs to the system of constraints of ph.

Warning

This function modifies the constraint system referenced by cs: upon return, no assumption can be made on its value.

7.154.2.54 int ppl_Polyhedron_add_recycled_congruences (ppl_Polyhedron_t *ph*, ppl_Congruence_System_t *cs*) [related]

Adds the system of congruences cs to the polyhedron ph.

Warning

This function modifies the congruence system referenced by cs: upon return, no assumption can be made on its value.

7.154.2.55 int ppl_Polyhedron_refine_with_constraint (ppl_Polyhedron_t *ph*, ppl_const_Constraint_t *c*) [related]

Refines ph using constraint c.

7.154.2.56 int ppl_Polyhedron_refine_with_congruence (ppl_Polyhedron_t *ph*, ppl_const_Congruence_t *c*) [related]

Refines ph using congruence c.

7.154.2.57 int ppl_Polyhedron_refine_with_constraints (ppl_Polyhedron_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

Refines ph using the constraints in cs.

7.154.2.58 int ppl_Polyhedron_refine_with_congruences (ppl_Polyhedron_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

Refines ph using the congruences in cs.

7.154.2.59 int ppl_Polyhedron_intersection_assign (ppl_Polyhedron_t *x*, ppl_const_Polyhedron_t *y*) [related]

Intersects x with polyhedron y and assigns the result to x.

7.154.2.60 int ppl_Polyhedron_upper_bound_assign (ppl_Polyhedron_t *x*, ppl_const_Polyhedron_t *y*) [related]

Assigns to `x` an upper bound of `x` and `y`.

For the domain of polyhedra, this is the same as `ppl_Polyhedron_poly_hull_assign(x, y)`.

7.154.2.61 int ppl_Polyhedron_difference_assign (ppl_Polyhedron_t *x*, ppl_const_Polyhedron_t *y*) [related]

Same as ppl_Polyhedron_poly_difference_assign(x, y).

7.154.2.62 int ppl_Polyhedron_simplify_using_context_assign (ppl_Polyhedron_t *x*, ppl_const_Polyhedron_t *y*) [related]

Assigns to `x` the *meet-preserving simplification* of `x` with respect to context `y`. Returns a positive integer if `x` and `y` have a nonempty intersection; returns `0` if they are disjoint.

7.154.2.63 int ppl_Polyhedron_time_elapse_assign (ppl_Polyhedron_t *x*, ppl_const_Polyhedron_t *y*) [related]

Assigns to `x` the *time-elapse* between the polyhedra `x` and `y`.

7.154.2.64 int ppl_Polyhedron_topological_closure_assign (ppl_Polyhedron_t *ph*) [related]

Assigns to `ph` its topological closure.

7.154.2.65 int ppl_Polyhedron_unconstrain_space_dimension (ppl_Polyhedron_t *ph*, ppl_dimension_type *var*) [related]

Modifies `ph` by *unconstraining* the space dimension `var`.

7.154.2.66 int ppl_Polyhedron_unconstrain_space_dimensions (ppl_Polyhedron_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

Modifies `ph` by *unconstraining* the space dimensions that are specified in the first `n` positions of the array `ds`. The presence of duplicates in `ds` is a waste but an innocuous one.

7.154.2.67 int ppl_Polyhedron_affine_image (ppl_Polyhedron_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

Transforms the polyhedron ph, assigning an affine expression to the specified variable.

Parameters

ph The polyhedron that is transformed;

var The variable to which the affine expression is assigned;

le The numerator of the affine expression;

d The denominator of the affine expression.

7.154.2.68 int ppl_Polyhedron_affine_preimage (ppl_Polyhedron_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

Transforms the polyhedron ph, substituting an affine expression to the specified variable.

Parameters

ph The polyhedron that is transformed;

var The variable to which the affine expression is substituted;

le The numerator of the affine expression;

d The denominator of the affine expression.

7.154.2.69 int ppl_Polyhedron_bounded_affine_image (ppl_Polyhedron_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

Assigns to ph the image of ph with respect to the *generalized affine transfer relation* $\frac{\mathrm{lb}}{\mathrm{d}} \leq \mathrm{var}' \leq \frac{\mathrm{ub}}{\mathrm{d}}$.

Parameters

ph The polyhedron that is transformed;

var The variable bounded by the generalized affine transfer relation;

lb The numerator of the lower bounding affine expression;

ub The numerator of the upper bounding affine expression;

d The (common) denominator of the lower and upper bounding affine expressions.

7.154.2.70 int ppl_Polyhedron_bounded_affine_preimage (ppl_Polyhedron_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

Assigns to ph the preimage of ph with respect to the *generalized affine transfer relation* $\frac{\mathrm{lb}}{\mathrm{d}} \leq \mathrm{var}' \leq \frac{\mathrm{ub}}{\mathrm{d}}$.

Parameters

ph The polyhedron that is transformed;

var The variable bounded by the generalized affine transfer relation;

lb The numerator of the lower bounding affine expression;

ub The numerator of the upper bounding affine expression;

d The (common) denominator of the lower and upper bounding affine expressions.

7.154.2.71 int ppl_Polyhedron_generalized_affine_image (ppl_Polyhedron_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

Assigns to `ph` the image of `ph` with respect to the *generalized affine transfer relation* $\mathrm{var}' \bowtie \frac{\mathrm{le}}{\mathrm{d}}$, where $\bowtie$ is the relation symbol encoded by `relsym`.

Parameters

ph The polyhedron that is transformed;

var The left hand side variable of the generalized affine transfer relation;

relsym The relation symbol;

le The numerator of the right hand side affine expression;

d The denominator of the right hand side affine expression.

7.154.2.72 int ppl_Polyhedron_generalized_affine_preimage (ppl_Polyhedron_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

Assigns to `ph` the preimage of `ph` with respect to the *generalized affine transfer relation* $\mathrm{var}' \bowtie \frac{\mathrm{le}}{\mathrm{d}}$, where $\bowtie$ is the relation symbol encoded by `relsym`.

Parameters

ph The polyhedron that is transformed;

var The left hand side variable of the generalized affine transfer relation;

relsym The relation symbol;

le The numerator of the right hand side affine expression;

d The denominator of the right hand side affine expression.

7.154.2.73 int ppl_Polyhedron_generalized_affine_image_lhs_rhs (ppl_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

Assigns to `ph` the image of `ph` with respect to the *generalized affine transfer relation* $\mathrm{lhs}' \bowtie \mathrm{rhs}$, where $\bowtie$ is the relation symbol encoded by `relsym`.

Parameters

ph The polyhedron that is transformed;

lhs The left hand side affine expression;

relsym The relation symbol;

rhs The right hand side affine expression.

7.154.2.74 int ppl_Polyhedron_generalized_affine_preimage_lhs_rhs (ppl_Polyhedron_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

Assigns to `ph` the preimage of `ph` with respect to the *generalized affine transfer relation* $\mathrm{lhs}' \bowtie \mathrm{rhs}$, where $\bowtie$ is the relation symbol encoded by `relsym`.

Parameters

ph The polyhedron that is transformed;

lhs The left hand side affine expression;

relsym The relation symbol;

rhs The right hand side affine expression.

7.154.2.75 int ppl_Polyhedron_concatenate_assign (ppl_Polyhedron_t *x*, ppl_const_Polyhedron_t *y*) [related]

Seeing a polyhedron as a set of tuples (its points), assigns to `x` all the tuples that can be obtained by concatenating, in the order given, a tuple of `x` with a tuple of `y`.

7.154.2.76 int ppl_Polyhedron_add_space_dimensions_and_embed (ppl_Polyhedron_t *ph*, ppl_dimension_type *d*) [related]

Adds `d` new dimensions to the space enclosing the polyhedron `ph` and to `ph` itself.

7.154.2.77 int ppl_Polyhedron_add_space_dimensions_and_project (ppl_Polyhedron_t *ph*, ppl_dimension_type *d*) [related]

Adds `d` new dimensions to the space enclosing the polyhedron `ph`.

7.154.2.78 int ppl_Polyhedron_remove_space_dimensions (ppl_Polyhedron_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

Removes from the vector space enclosing `ph` the space dimensions that are specified in first `n` positions of the array `ds`. The presence of duplicates in `ds` is a waste but an innocuous one.

7.154.2.79 int ppl_Polyhedron_remove_higher_space_dimensions (ppl_Polyhedron_t *ph*, ppl_dimension_type *d*) [related]

Removes the higher dimensions from the vector space enclosing `ph` so that, upon successful return, the new space dimension is `d`.

7.154.2.80 int ppl_Polyhedron_map_space_dimensions (ppl_Polyhedron_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

Remaps the dimensions of the vector space according to a *partial function*. This function is specified by means of the `maps` array, which has `n` entries.

The partial function is defined on dimension `i` if `i < n` and `maps[i] != ppl_not_a_dimension`; otherwise it is undefined on dimension `i`. If the function is defined on dimension `i`, then dimension `i` is mapped onto dimension `maps[i]`.

The result is undefined if `maps` does not encode a partial function with the properties described in the *specification of the mapping operator*.

7.154.2.81 int ppl_Polyhedron_expand_space_dimension (ppl_Polyhedron_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

Expands the d-th dimension of the vector space enclosing `ph` to `m` new space dimensions.

7.154.2.82 int ppl_Polyhedron_fold_space_dimensions (ppl_Polyhedron_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

Modifies `ph` by *folding* the space dimensions contained in the first `n` positions of the array `ds` into dimension `d`. The presence of duplicates in `ds` is a waste but an innocuous one.

7.154.2.83 int ppl_io_print_Polyhedron (ppl_const_Polyhedron_t *x*) [related]

Prints `x` to `stdout`.

7.154.2.84 int ppl_io_fprint_Polyhedron (FILE * *stream*, ppl_const_Polyhedron_t *x*) [related]

Prints `x` to the given output `stream`.

7.154.2.85 int ppl_io_asprint_Polyhedron (char ** *strp*, ppl_const_Polyhedron_t *x*) [related]

Prints x to a malloc-allocated string, a pointer to which is returned via strp.

7.154.2.86 int ppl_Polyhedron_ascii_dump (ppl_const_Polyhedron_t *x*, FILE * *stream*) [related]

Dumps an ascii representation of x on stream.

7.154.2.87 int ppl_Polyhedron_ascii_load (ppl_Polyhedron_t *x*, FILE * *stream*) [related]

Loads an ascii representation of x from stream.

7.154.2.88 int ppl_new_C_Polyhedron_from_Generator_System (ppl_Polyhedron_t * *pph*, ppl_const_Generator_System_t *gs*) [related]

Builds a new C polyhedron from the system of generators gs and writes a handle for the newly created polyhedron at address pph.

The new polyhedron will inherit the space dimension of gs.

7.154.2.89 int ppl_new_C_Polyhedron_recycle_Generator_System (ppl_Polyhedron_t * *pph*, ppl_Generator_System_t *gs*) [related]

Builds a new C polyhedron recycling the system of generators gs and writes a handle for the newly created polyhedron at address pph.

The new polyhedron will inherit the space dimension of gs.

Warning

This function modifies the generator system referenced by gs: upon return, no assumption can be made on its value.

7.154.2.90 int ppl_new_NNC_Polyhedron_from_Generator_System (ppl_Polyhedron_t * *pph*, ppl_const_Generator_System_t *gs*) [related]

Builds a new NNC polyhedron from the system of generators gs and writes a handle for the newly created polyhedron at address pph.

The new polyhedron will inherit the space dimension of gs.

7.154.2.91 int ppl_new_NNC_Polyhedron_recycle_Generator_System (ppl_Polyhedron_t * *pph*, ppl_Generator_System_t *gs*) [related]

Builds a new NNC polyhedron recycling the system of generators `gs` and writes a handle for the newly created polyhedron at address `pph`.

The new polyhedron will inherit the space dimension of `gs`.

Warning

This function modifies the generator system referenced by `gs`: upon return, no assumption can be made on its value.

7.154.2.92 int ppl_Polyhedron_get_generators (ppl_const_Polyhedron_t *ph*, ppl_const_Generator_System_t * *pgs*) [related]

Writes a const handle to the generator system defining the polyhedron `ph` at address `pgs`.

7.154.2.93 int ppl_Polyhedron_get_minimized_generators (ppl_const_Polyhedron_t *ph*, ppl_const_Generator_System_t * *pgs*) [related]

Writes a const handle to the minimized generator system defining the polyhedron `ph` at address `pgs`.

7.154.2.94 int ppl_Polyhedron_add_generator (ppl_Polyhedron_t *ph*, ppl_const_Generator_t *g*) [related]

Adds a copy of the generator `g` to the system of generators of `ph`.

7.154.2.95 int ppl_Polyhedron_add_generators (ppl_Polyhedron_t *ph*, ppl_const_Generator_System_t *gs*) [related]

Adds a copy of the system of generators `gs` to the system of generators of `ph`.

7.154.2.96 int ppl_Polyhedron_add_recycled_generators (ppl_Polyhedron_t *ph*, ppl_Generator_System_t *gs*) [related]

Adds the system of generators `gs` to the system of generators of `ph`.

Warning

This function modifies the generator system referenced by `gs`: upon return, no assumption can be made on its value.

7.154.2.97 int ppl_Polyhedron_poly_hull_assign (ppl_Polyhedron_t *x*, ppl_const_Polyhedron_t *y*) [related]

Assigns to x the poly-hull of x and y.

7.154.2.98 int ppl_Polyhedron_poly_difference_assign (ppl_Polyhedron_t *x*, ppl_const_Polyhedron_t *y*) [related]

Assigns to x the *poly-difference* of x and y.

7.154.2.99 int wrap_assign (ppl_Polyhedron_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_enum_Bounded_Integer_Type_Width *w*, ppl_enum_Bounded_Integer_Type_Representation *r*, ppl_enum_Bounded_Integer_Type_Overflow *o*, const ppl_const_Constraint_System_t * *pcs*, unsigned *complexity_threshold*, int *wrap_individually*) [related]

Assigns to ph the polyhedron obtained from ph by "wrapping" the vector space defined by the first n space dimensions in ds[].

Parameters

ph The polyhedron that is transformed;

ds[ ] Specifies the space dimensions to be wrapped.

n The first n space dimensions in the array ds[] will be wrapped.

w The width of the bounded integer type corresponding to all the dimensions to be wrapped.

r The representation of the bounded integer type corresponding to all the dimensions to be wrapped.

o The overflow behavior of the bounded integer type corresponding to all the dimensions to be wrapped.

pcs Possibly null pointer to a constraint system whose space dimensions are the first n dimensions in ds[]. If *pcs depends on variables not in vars, the behavior is undefined. When non-null, the constraint system is assumed to represent the conditional or looping construct guard with respect to which wrapping is performed. Since wrapping requires the computation of upper bounds and due to non-distributivity of constraint refinement over upper bounds, passing a constraint system in this way can be more precise than refining the result of the wrapping operation with the constraints in cs.

complexity_threshold A precision parameter where higher values result in possibly improved precision.

wrap_individually Non-zero if the dimensions should be wrapped individually (something that results in much greater efficiency to the detriment of precision).

7.154.2.100 int ppl_Polyhedron_BHRZ03_widening_assign_with_tokens (ppl_Polyhedron_t *x*, ppl_const_Polyhedron_t *y*, unsigned * *tp*) [related]

If the polyhedron y is contained in (or equal to) the polyhedron x, assigns to x the *BHRZ03-widening* of x and y. If tp is not the null pointer, the *widening with tokens* delay technique is applied with *tp available tokens.

7.154.2.101 int ppl_Polyhedron_H79_widening_assign_with_tokens (ppl_Polyhedron_t *x*, ppl_const_Polyhedron_t *y*, unsigned * *tp*) [related]

If the polyhedron y is contained in (or equal to) the polyhedron x, assigns to x the *H79-widening* of x and y. If tp is not the null pointer, the *widening with tokens* delay technique is applied with *tp available tokens.

7.154.2.102 int ppl_Polyhedron_BHRZ03_widening_assign (ppl_Polyhedron_t *x*, ppl_const_Polyhedron_t *y*) [related]

If the polyhedron y is contained in (or equal to) the polyhedron x, assigns to x the *BHRZ03-widening* of x and y.

7.154.2.103 int ppl_Polyhedron_H79_widening_assign (ppl_Polyhedron_t *x*, ppl_const_Polyhedron_t *y*) [related]

If the polyhedron y is contained in (or equal to) the polyhedron x, assigns to x the *H79-widening* of x and y.

7.154.2.104 int ppl_Polyhedron_limited_BHRZ03_extrapolation_assign_with_tokens (ppl_Polyhedron_t *x*, ppl_const_Polyhedron_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

If the polyhedron y is contained in (or equal to) the polyhedron x, assigns to x the *BHRZ03-widening* of x and y intersected with the constraints in cs that are satisfied by all the points of x. If tp is not the null pointer, the *widening with tokens* delay technique is applied with *tp available tokens.

7.154.2.105 int ppl_Polyhedron_limited_H79_extrapolation_assign_with_tokens (ppl_Polyhedron_t *x*, ppl_const_Polyhedron_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

If the polyhedron y is contained in (or equal to) the polyhedron x, assigns to x the *H79-widening* of x and y intersected with the constraints in cs that are satisfied by all the points of x. If tp is not the null pointer, the *widening with tokens* delay technique is applied with *tp available tokens.

7.154.2.106 int ppl_Polyhedron_limited_BHRZ03_extrapolation_assign (ppl_Polyhedron_t *x*, ppl_const_Polyhedron_t *y*, ppl_const_Constraint_System_t *cs*) [related]

If the polyhedron `y` is contained in (or equal to) the polyhedron `x`, assigns to `x` the *BHRZ03-widening* of `x` and `y` intersected with the constraints in `cs` that are satisfied by all the points of `x`.

7.154.2.107 int ppl_Polyhedron_limited_H79_extrapolation_assign (ppl_Polyhedron_t *x*, ppl_const_Polyhedron_t *y*, ppl_const_Constraint_System_t *cs*) [related]

If the polyhedron `y` is contained in (or equal to) the polyhedron `x`, assigns to `x` the *H79-widening* of `x` and `y` intersected with the constraints in `cs` that are satisfied by all the points of `x`.

7.154.2.108 int ppl_Polyhedron_bounded_BHRZ03_extrapolation_assign_with_tokens (ppl_Polyhedron_t *x*, ppl_const_Polyhedron_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

If the polyhedron `y` is contained in (or equal to) the polyhedron `x`, assigns to `x` the *BHRZ03-widening* of `x` and `y` intersected with the constraints in `cs` that are satisfied by all the points of `x`, further intersected with all the constraints of the form $\pm v \leq r$ and $\pm v < r$, with $r \in \mathbb{Q}$, that are satisfied by all the points of `x`. If `tp` is not the null pointer, the *widening with tokens* delay technique is applied with `*tp` available tokens.

7.154.2.109 int ppl_Polyhedron_bounded_H79_extrapolation_assign_with_tokens (ppl_Polyhedron_t *x*, ppl_const_Polyhedron_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

If the polyhedron `y` is contained in (or equal to) the polyhedron `x`, assigns to `x` the *H79-widening* of `x` and `y` intersected with the constraints in `cs` that are satisfied by all the points of `x`, further intersected with all the constraints of the form $\pm v \leq r$ and $\pm v < r$, with $r \in \mathbb{Q}$, that are satisfied by all the points of `x`. If `tp` is not the null pointer, the *widening with tokens* delay technique is applied with `*tp` available tokens.

7.154.2.110 int ppl_Polyhedron_bounded_BHRZ03_extrapolation_assign (ppl_Polyhedron_t *x*, ppl_const_Polyhedron_t *y*, ppl_const_Constraint_System_t *cs*) [related]

If the polyhedron `y` is contained in (or equal to) the polyhedron `x`, assigns to `x` the *BHRZ03-widening* of `x` and `y` intersected with the constraints in `cs` that are satisfied by all the points of `x`, further intersected with all the constraints of the form $\pm v \leq r$ and $\pm v < r$, with $r \in \mathbb{Q}$, that are satisfied by all the points of `x`.

7.154.2.111 int ppl_Polyhedron_bounded_H79_extrapolation_assign (ppl_Polyhedron_t *x*, ppl_const_Polyhedron_t *y*, ppl_const_Constraint_System_t *cs*) [related]

If the polyhedron y is contained in (or equal to) the polyhedron x, assigns to x the *H79-widening* of x and y intersected with the constraints in cs that are satisfied by all the points of x, further intersected with all the constraints of the form $\pm v \leq r$ and $\pm v < r$, with $r \in \mathbb{Q}$, that are satisfied by all the points of x.

7.154.2.112 int ppl_new_C_Polyhedron_from_Int8_Box (ppl_Polyhedron_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.154.2.113 int ppl_new_NNC_Polyhedron_from_Int8_Box (ppl_Polyhedron_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.154.2.114 int ppl_new_C_Polyhedron_from_Int16_Box (ppl_Polyhedron_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.154.2.115 int ppl_new_NNC_Polyhedron_from_Int16_Box (ppl_Polyhedron_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.154.2.116 int ppl_new_C_Polyhedron_from_Int32_Box (ppl_Polyhedron_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.154.2.117 int ppl_new_NNC_Polyhedron_from_Int32_Box (ppl_Polyhedron_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.154.2.118 int ppl_new_C_Polyhedron_from_Int64_Box (ppl_Polyhedron_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.154.2.119 int ppl_new_NNC_Polyhedron_from_Int64_Box (ppl_Polyhedron_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.154.2.120 int ppl_new_C_Polyhedron_from_Uint8_Box (ppl_Polyhedron_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.154.2.121 int ppl_new_NNC_Polyhedron_from_Uint8_Box (ppl_Polyhedron_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.154.2.122 int ppl_new_C_Polyhedron_from_Uint16_Box (ppl_Polyhedron_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.154.2.123 int ppl_new_NNC_Polyhedron_from_Uint16_Box (ppl_Polyhedron_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.154.2.124 int ppl_new_C_Polyhedron_from_Uint32_Box (ppl_Polyhedron_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.154.2.125 int ppl_new_NNC_Polyhedron_from_Uint32_Box (ppl_Polyhedron_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.154.2.126 int ppl_new_C_Polyhedron_from_Uint64_Box (ppl_Polyhedron_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.154.2.127 int ppl_new_NNC_Polyhedron_from_Uint64_Box (ppl_Polyhedron_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.154.2.128 int ppl_new_C_Polyhedron_from_Z_Box (ppl_Polyhedron_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.154.2.129 int ppl_new_NNC_Polyhedron_from_Z_Box (ppl_Polyhedron_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.154.2.130 int ppl_new_C_Polyhedron_from_Rational_Box (ppl_Polyhedron_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.154.2.131 int ppl_new_NNC_Polyhedron_from_Rational_Box (ppl_Polyhedron_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.154.2.132 int ppl_new_C_Polyhedron_from_BD_Shape_int8_t (ppl_Polyhedron_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.154.2.133 int ppl_new_NNC_Polyhedron_from_BD_Shape_int8_t (ppl_Polyhedron_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.154.2.134 int ppl_new_C_Polyhedron_from_BD_Shape_int16_t (ppl_Polyhedron_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.154.2.135 int ppl_new_NNC_Polyhedron_from_BD_Shape_int16_t (ppl_Polyhedron_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.154.2.136 int ppl_new_C_Polyhedron_from_BD_Shape_int32_t (ppl_Polyhedron_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.154.2.137 int ppl_new_NNC_Polyhedron_from_BD_Shape_int32_t (ppl_Polyhedron_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.154.2.138 int ppl_new_C_Polyhedron_from_BD_Shape_int64_t (ppl_Polyhedron_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.154.2.139 int ppl_new_NNC_Polyhedron_from_BD_Shape_int64_t (ppl_Polyhedron_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.154.2.140 int ppl_new_C_Polyhedron_from_BD_Shape_mpz_class (ppl_Polyhedron_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.154.2.141 int ppl_new_NNC_Polyhedron_from_BD_Shape_mpz_class (ppl_Polyhedron_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.154.2.142 int ppl_new_C_Polyhedron_from_BD_Shape_mpq_class (ppl_Polyhedron_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.154.2.143 int ppl_new_NNC_Polyhedron_from_BD_Shape_mpq_class (ppl_Polyhedron_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.154.2.144 int ppl_new_C_Polyhedron_from_Octagonal_Shape_int8_t (ppl_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.154.2.145 int ppl_new_NNC_Polyhedron_from_Octagonal_Shape_int8_t (ppl_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.154.2.146 int ppl_new_C_Polyhedron_from_Octagonal_Shape_int16_t (ppl_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.154.2.147 int ppl_new_NNC_Polyhedron_from_Octagonal_Shape_int16_t (ppl_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.154.2.148 int ppl_new_C_Polyhedron_from_Octagonal_Shape_int32_t (ppl_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.154.2.149 int ppl_new_NNC_Polyhedron_from_Octagonal_Shape_int32_t (ppl_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.154.2.150 int ppl_new_C_Polyhedron_from_Octagonal_Shape_int64_t (ppl_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.154.2.151 int ppl_new_NNC_Polyhedron_from_Octagonal_Shape_int64_t (ppl_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.154.2.152 int ppl_new_C_Polyhedron_from_Octagonal_Shape_mpz_class (ppl_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.154.2.153 int ppl_new_NNC_Polyhedron_from_Octagonal_Shape_mpz_class (ppl_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.154.2.154 int ppl_new_C_Polyhedron_from_Octagonal_Shape_mpq_class (ppl_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.154.2.155 int ppl_new_NNC_Polyhedron_from_Octagonal_Shape_mpq_class (ppl_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.154.2.156 int ppl_new_C_Polyhedron_from_Grid (ppl_Polyhedron_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.154.2.157 int ppl_new_NNC_Polyhedron_from_Grid (ppl_Polyhedron_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.154.2.158 int ppl_new_C_Polyhedron_from_Float_Box (ppl_Polyhedron_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.154.2.159 int ppl_new_NNC_Polyhedron_from_Float_Box (ppl_Polyhedron_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.154.2.160 int ppl_new_C_Polyhedron_from_BD_Shape_float (ppl_Polyhedron_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.154.2.161 int ppl_new_NNC_Polyhedron_from_BD_Shape_float (ppl_Polyhedron_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.154.2.162 int ppl_new_C_Polyhedron_from_Octagonal_Shape_float (ppl_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.154.2.163 int ppl_new_NNC_Polyhedron_from_Octagonal_Shape_float (ppl_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.154.2.164 int ppl_new_C_Polyhedron_from_Double_Box (ppl_Polyhedron_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.154.2.165 int ppl_new_NNC_Polyhedron_from_Double_Box (ppl_Polyhedron_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.154.2.166 int ppl_new_C_Polyhedron_from_BD_Shape_double (ppl_Polyhedron_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.154.2.167 int ppl_new_NNC_Polyhedron_from_BD_Shape_double (ppl_Polyhedron_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.154.2.168 int ppl_new_C_Polyhedron_from_Octagonal_Shape_double (ppl_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.154.2.169 int ppl_new_NNC_Polyhedron_from_Octagonal_Shape_double (ppl_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.154.2.170 int ppl_new_C_Polyhedron_from_Long_Double_Box (ppl_Polyhedron_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.154.2.171 int ppl_new_NNC_Polyhedron_from_Long_Double_Box (ppl_Polyhedron_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.154.2.172 int ppl_new_C_Polyhedron_from_BD_Shape_long_double (ppl_Polyhedron_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.154.2.173 int ppl_new_NNC_Polyhedron_from_BD_Shape_long_double (ppl_Polyhedron_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.154.2.174 int ppl_new_C_Polyhedron_from_Octagonal_Shape_long_double (ppl_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.154.2.175 int ppl_new_NNC_Polyhedron_from_Octagonal_Shape_long_double (ppl_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.154.2.176 int ppl_new_C_Polyhedron_from_Int8_Box_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.154.2.177 int ppl_new_NNC_Polyhedron_from_Int8_Box_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.154.2.178 int ppl_new_C_Polyhedron_from_Int16_Box_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.154.2.179 int ppl_new_NNC_Polyhedron_from_Int16_Box_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.154.2.180 int ppl_new_C_Polyhedron_from_Int32_Box_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.154.2.181 int ppl_new_NNC_Polyhedron_from_Int32_Box_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.154.2.182 int ppl_new_C_Polyhedron_from_Int64_Box_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.154.2.183 int ppl_new_NNC_Polyhedron_from_Int64_Box_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.154.2.184 int ppl_new_C_Polyhedron_from_Uint8_Box_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.154.2.185 int ppl_new_NNC_Polyhedron_from_Uint8_Box_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.154.2.186 int ppl_new_C_Polyhedron_from_Uint16_Box_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.154.2.187 int ppl_new_NNC_Polyhedron_from_Uint16_Box_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.154.2.188 int ppl_new_C_Polyhedron_from_Uint32_Box_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.154.2.189 int ppl_new_NNC_Polyhedron_from_Uint32_Box_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.154.2.190 int ppl_new_C_Polyhedron_from_Uint64_Box_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.154.2.191 int ppl_new_NNC_Polyhedron_from_Uint64_Box_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.154.2.192 int ppl_new_C_Polyhedron_from_Z_Box_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.154.2.193 int ppl_new_NNC_Polyhedron_from_Z_Box_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.154.2.194 int ppl_new_C_Polyhedron_from_Rational_Box_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.154.2.195 int ppl_new_NNC_Polyhedron_from_Rational_Box_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.154.2.196 int ppl_new_C_Polyhedron_from_BD_Shape_int8_t_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.154.2.197 int ppl_new_NNC_Polyhedron_from_BD_Shape_int8_t_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.154.2.198 int ppl_new_C_Polyhedron_from_BD_Shape_int16_t_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.154.2.199 int ppl_new_NNC_Polyhedron_from_BD_Shape_int16_t_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.154.2.200 int ppl_new_C_Polyhedron_from_BD_Shape_int32_t_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.154.2.201 int ppl_new_NNC_Polyhedron_from_BD_Shape_int32_t_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.154.2.202 int ppl_new_C_Polyhedron_from_BD_Shape_int64_t_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.154.2.203 int ppl_new_NNC_Polyhedron_from_BD_Shape_int64_t_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.154.2.204 int ppl_new_C_Polyhedron_from_BD_Shape_mpz_class_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.154.2.205 int ppl_new_NNC_Polyhedron_from_BD_Shape_mpz_class_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.154.2.206 int ppl_new_C_Polyhedron_from_BD_Shape_mpq_class_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.154.2.207 int ppl_new_NNC_Polyhedron_from_BD_Shape_mpq_class_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.154.2.208 int ppl_new_C_Polyhedron_from_Octagonal_Shape_int8_t_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.154.2.209 int ppl_new_NNC_Polyhedron_from_Octagonal_Shape_int8_t_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.154.2.210 int ppl_new_C_Polyhedron_from_Octagonal_Shape_int16_t_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.154.2.211 int ppl_new_NNC_Polyhedron_from_Octagonal_Shape_int16_t_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.154.2.212 int ppl_new_C_Polyhedron_from_Octagonal_Shape_int32_t_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.154.2.213 int ppl_new_NNC_Polyhedron_from_Octagonal_Shape_int32_t_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.154.2.214 int ppl_new_C_Polyhedron_from_Octagonal_Shape_int64_t_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.154.2.215 int ppl_new_NNC_Polyhedron_from_Octagonal_Shape_int64_t_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.154.2.216 int ppl_new_C_Polyhedron_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.154.2.217 int ppl_new_NNC_Polyhedron_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.154.2.218 int ppl_new_C_Polyhedron_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.154.2.219 int ppl_new_NNC_Polyhedron_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.154.2.220 int ppl_new_C_Polyhedron_from_Grid_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.154.2.221 int ppl_new_NNC_Polyhedron_from_Grid_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.154.2.222 int ppl_new_C_Polyhedron_from_Float_Box_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.154.2.223 int ppl_new_NNC_Polyhedron_from_Float_Box_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.154.2.224 int ppl_new_C_Polyhedron_from_BD_Shape_float_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.154.2.225 int ppl_new_NNC_Polyhedron_from_BD_Shape_float_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.154.2.226 int ppl_new_C_Polyhedron_from_Octagonal_Shape_float_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.154.2.227 int ppl_new_NNC_Polyhedron_from_Octagonal_Shape_float_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.154.2.228 int ppl_new_C_Polyhedron_from_Double_Box_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.154.2.229 int ppl_new_NNC_Polyhedron_from_Double_Box_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.154.2.230 int ppl_new_C_Polyhedron_from_BD_Shape_double_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.154.2.231 int ppl_new_NNC_Polyhedron_from_BD_Shape_double_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.154.2.232 int ppl_new_C_Polyhedron_from_Octagonal_Shape_double_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.154.2.233 int ppl_new_NNC_Polyhedron_from_Octagonal_Shape_double_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.154.2.234 int ppl_new_C_Polyhedron_from_Long_Double_Box_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.154.2.235 int ppl_new_NNC_Polyhedron_from_Long_Double_Box_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.154.2.236 int ppl_new_C_Polyhedron_from_BD_Shape_long_double_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.154.2.237 int ppl_new_NNC_Polyhedron_from_BD_Shape_long_double_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.154.2.238 int ppl_new_C_Polyhedron_from_Octagonal_Shape_long_double_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.154.2.239 int ppl_new_NNC_Polyhedron_from_Octagonal_Shape_long_double_with_complexity (ppl_Polyhedron_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.154.2.240 int ppl_Polyhedron_relation_with_Congruence (ppl_const_Polyhedron_t *ph*, ppl_const_Congruence_t *c*) [related]

7.154.2.241 **int ppl_Polyhedron_minimize (ppl_const_Polyhedron_t *ph*, ppl_const_Linear_-Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]**

7.154.2.242 **int ppl_Polyhedron_frequency (ppl_const_Polyhedron_t *ph*, ppl_const_Linear_-Expression_t *le*, ppl_Coefficient_t *ext_fn*, ppl_Coefficient_t *ext_fd*, ppl_Coefficient_t *ext_vn*, ppl_Coefficient_t *ext_vd*) [related]**

7.154.2.243 **int ppl_Polyhedron_upper_bound_assign_if_exact (ppl_Polyhedron_t *x*, ppl_const_Polyhedron_t *y*) [related]**

7.154.2.244 **int ppl_Polyhedron_poly_hull_assign_if_exact (ppl_Polyhedron_t *x*, ppl_const_Polyhedron_t *y*) [related]**

7.154.2.245 **int ppl_Polyhedron_drop_some_non_integer_points (ppl_Polyhedron_t *ph*, int *complexity*) [related]**

7.154.2.246 **int ppl_Polyhedron_drop_some_non_integer_points_2 (ppl_Polyhedron_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]**

7.154.2.247 **int ppl_Polyhedron_widening_assign_with_tokens (ppl_Polyhedron_t *x*, ppl_const_Polyhedron_t *y*, unsigned * *tp*) [related]**

7.154.2.248 **int ppl_Polyhedron_widening_assign (ppl_Polyhedron_t *x*, ppl_const_Polyhedron_t *y*) [related]**

7.154.2.249 **int ppl_Polyhedron_linear_partition (ppl_const_Polyhedron_t *x*, ppl_const_Polyhedron_t *y*, ppl_Polyhedron_t * *p_inters*, ppl_Pointset_Powerset_NNC_Polyhedron_t * *p_rest*) [related]**

7.154.2.250 int ppl_Polyhedron_wrap_assign (ppl_Polyhedron_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, enum ppl_enum_Bounded_Integer_Type_Width *w*, enum ppl_enum_Bounded_Integer_Type_Representation *r*, enum ppl_enum_Bounded_Integer_Type_Overflow *o*, const ppl_const_Constraint_System_t * *pcs*, unsigned *complexity_threshold*, int *wrap_individually*) [related]

7.154.2.251 int ppl_termination_test_MS_C_Polyhedron (ppl_const_Polyhedron_t *pset*) [related]

7.154.2.252 int ppl_termination_test_PR_C_Polyhedron (ppl_const_Polyhedron_t *pset*) [related]

7.154.2.253 int ppl_termination_test_MS_NNC_Polyhedron (ppl_const_Polyhedron_t *pset*) [related]

7.154.2.254 int ppl_termination_test_PR_NNC_Polyhedron (ppl_const_Polyhedron_t *pset*) [related]

7.154.2.255 int ppl_one_affine_ranking_function_MS_C_Polyhedron (ppl_const_Polyhedron_t *pset*, ppl_Generator_t *point*) [related]

7.154.2.256 int ppl_one_affine_ranking_function_PR_C_Polyhedron (ppl_const_Polyhedron_t *pset*, ppl_Generator_t *point*) [related]

7.154.2.257 int ppl_one_affine_ranking_function_MS_NNC_Polyhedron (ppl_const_Polyhedron_t *pset*, ppl_Generator_t *point*) [related]

7.154.2.258 int ppl_one_affine_ranking_function_PR_NNC_Polyhedron (ppl_const_Polyhedron_t *pset*, ppl_Generator_t *point*) [related]

7.154.2.259 int ppl_all_affine_ranking_functions_MS_C_Polyhedron (ppl_const_Polyhedron_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.154.2.260 int ppl_all_affine_ranking_functions_PR_C_Polyhedron (ppl_const_Polyhedron_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.154.2.261 int ppl_all_affine_ranking_functions_MS_NNC_Polyhedron (ppl_const_Polyhedron_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.154.2.262 int ppl_all_affine_ranking_functions_PR_NNC_Polyhedron (ppl_const_Polyhedron_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.154.2.263 int ppl_termination_test_MS_C_Polyhedron_2 (ppl_const_Polyhedron_t *pset_before*, ppl_const_Polyhedron_t *pset_after*) [related]

7.154.2.264 int ppl_termination_test_PR_C_Polyhedron_2 (ppl_const_Polyhedron_t *pset_before*, ppl_const_Polyhedron_t *pset_after*) [related]

7.154.2.265 int ppl_termination_test_MS_NNC_Polyhedron_2 (ppl_const_Polyhedron_t *pset_before*, ppl_const_Polyhedron_t *pset_after*) [related]

7.154.2.266 int ppl_termination_test_PR_NNC_Polyhedron_2 (ppl_const_Polyhedron_t *pset_before*, ppl_const_Polyhedron_t *pset_after*) [related]

7.154.2.267 int ppl_one_affine_ranking_function_MS_C_Polyhedron_2 (ppl_const_Polyhedron_t *pset_before*, ppl_const_Polyhedron_t *pset_after*, ppl_Generator_t *point*) [related]

7.154.2.268 int ppl_one_affine_ranking_function_PR_C_Polyhedron_2 (ppl_const_Polyhedron_t *pset_before*, ppl_const_Polyhedron_t *pset_after*, ppl_Generator_t *point*) [related]

7.154.2.269 int ppl_one_affine_ranking_function_MS_NNC_Polyhedron_2 (ppl_const_Polyhedron_t *pset_before*, ppl_const_Polyhedron_t *pset_after*, ppl_Generator_t *point*) [related]

7.154.2.270 int ppl_one_affine_ranking_function_PR_NNC_Polyhedron_2 (ppl_const_Polyhedron_t *pset_before*, ppl_const_Polyhedron_t *pset_after*, ppl_Generator_t *point*) [related]

7.154.2.271 int ppl_all_affine_ranking_functions_MS_C_Polyhedron_2 (ppl_const_Polyhedron_t *pset_before*, ppl_const_Polyhedron_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.154.2.272 int ppl_all_affine_ranking_functions_PR_C_Polyhedron_2 (ppl_const_Polyhedron_t *pset_before*, ppl_const_Polyhedron_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.154.2.273 int ppl_all_affine_ranking_functions_MS_NNC_Polyhedron_2 (ppl_const_Polyhedron_t *pset_before*, ppl_const_Polyhedron_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.154.2.274 int ppl_all_affine_ranking_functions_PR_NNC_Polyhedron_2 (ppl_const_Polyhedron_t *pset_before*, ppl_const_Polyhedron_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

The documentation for this interface was generated from the following files:

- C_interface.dox
- ppl_c.h

7.155 ppl_Rational_Box_tag Interface Reference

Types and functions for ppl_Rational_Box_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Rational_Box (ppl_const_Rational_Box_t ph)
- int ppl_new_Rational_Box_from_space_dimension (ppl_Rational_Box_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Rational_Box_from_Int8_Box (ppl_Rational_Box_t *pph, ppl_const_Int8_Box_t ph)
- int ppl_new_Rational_Box_from_Int16_Box (ppl_Rational_Box_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_Rational_Box_from_Int32_Box (ppl_Rational_Box_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_Rational_Box_from_Int64_Box (ppl_Rational_Box_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_Rational_Box_from_Uint8_Box (ppl_Rational_Box_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_Rational_Box_from_Uint16_Box (ppl_Rational_Box_t *pph, ppl_const_Uint16_Box_t ph)
- int ppl_new_Rational_Box_from_Uint32_Box (ppl_Rational_Box_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_Rational_Box_from_Uint64_Box (ppl_Rational_Box_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_Rational_Box_from_Z_Box (ppl_Rational_Box_t *pph, ppl_const_Z_Box_t ph)
- int ppl_new_Rational_Box_from_Rational_Box (ppl_Rational_Box_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_Rational_Box_from_BD_Shape_int8_t (ppl_Rational_Box_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_Rational_Box_from_BD_Shape_int16_t (ppl_Rational_Box_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_Rational_Box_from_BD_Shape_int32_t (ppl_Rational_Box_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_Rational_Box_from_BD_Shape_int64_t (ppl_Rational_Box_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_Rational_Box_from_BD_Shape_mpz_class (ppl_Rational_Box_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_Rational_Box_from_BD_Shape_mpq_class (ppl_Rational_Box_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_Rational_Box_from_Octagonal_Shape_int8_t (ppl_Rational_Box_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_Rational_Box_from_Octagonal_Shape_int16_t (ppl_Rational_Box_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_Rational_Box_from_Octagonal_Shape_int32_t (ppl_Rational_Box_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_Rational_Box_from_Octagonal_Shape_int64_t (ppl_Rational_Box_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_Rational_Box_from_Octagonal_Shape_mpz_class (ppl_Rational_Box_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_Rational_Box_from_Octagonal_Shape_mpq_class (ppl_Rational_Box_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_Rational_Box_from_C_Polyhedron (ppl_Rational_Box_t *pph, ppl_const_Polyhedron_t ph)

- int ppl_new_Rational_Box_from_NNC_Polyhedron (ppl_Rational_Box_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Rational_Box_from_Grid (ppl_Rational_Box_t *pph, ppl_const_Grid_t ph)
- int ppl_new_Rational_Box_from_Float_Box (ppl_Rational_Box_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_Rational_Box_from_BD_Shape_float (ppl_Rational_Box_t *pph, ppl_const_BD_Shape_float_t ph)
- int ppl_new_Rational_Box_from_Octagonal_Shape_float (ppl_Rational_Box_t *pph, ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_Rational_Box_from_Double_Box (ppl_Rational_Box_t *pph, ppl_const_Double_Box_t ph)
- int ppl_new_Rational_Box_from_BD_Shape_double (ppl_Rational_Box_t *pph, ppl_const_BD_Shape_double_t ph)
- int ppl_new_Rational_Box_from_Octagonal_Shape_double (ppl_Rational_Box_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_Rational_Box_from_Long_Double_Box (ppl_Rational_Box_t *pph, ppl_const_Long_Double_Box_t ph)
- int ppl_new_Rational_Box_from_BD_Shape_long_double (ppl_Rational_Box_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_Rational_Box_from_Octagonal_Shape_long_double (ppl_Rational_Box_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_Rational_Box_from_Int8_Box_with_complexity (ppl_Rational_Box_t *pph, ppl_const_Int8_Box_t ph, int complexity)
- int ppl_new_Rational_Box_from_Int16_Box_with_complexity (ppl_Rational_Box_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_Rational_Box_from_Int32_Box_with_complexity (ppl_Rational_Box_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_Rational_Box_from_Int64_Box_with_complexity (ppl_Rational_Box_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_Rational_Box_from_Uint8_Box_with_complexity (ppl_Rational_Box_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_Rational_Box_from_Uint16_Box_with_complexity (ppl_Rational_Box_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_Rational_Box_from_Uint32_Box_with_complexity (ppl_Rational_Box_t *pph, ppl_const_Uint32_Box_t ph, int complexity)
- int ppl_new_Rational_Box_from_Uint64_Box_with_complexity (ppl_Rational_Box_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_Rational_Box_from_Z_Box_with_complexity (ppl_Rational_Box_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_Rational_Box_from_Rational_Box_with_complexity (ppl_Rational_Box_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_Rational_Box_from_BD_Shape_int8_t_with_complexity (ppl_Rational_Box_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)
- int ppl_new_Rational_Box_from_BD_Shape_int16_t_with_complexity (ppl_Rational_Box_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_Rational_Box_from_BD_Shape_int32_t_with_complexity (ppl_Rational_Box_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_Rational_Box_from_BD_Shape_int64_t_with_complexity (ppl_Rational_Box_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_Rational_Box_from_BD_Shape_mpz_class_with_complexity (ppl_Rational_Box_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)

- int ppl_new_Rational_Box_from_BD_Shape_mpq_class_with_complexity (ppl_Rational_Box_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Rational_Box_from_Octagonal_Shape_int8_t_with_complexity (ppl_Rational_Box_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_Rational_Box_from_Octagonal_Shape_int16_t_with_complexity (ppl_Rational_Box_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_Rational_Box_from_Octagonal_Shape_int32_t_with_complexity (ppl_Rational_Box_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_Rational_Box_from_Octagonal_Shape_int64_t_with_complexity (ppl_Rational_Box_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_new_Rational_Box_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Rational_Box_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Rational_Box_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Rational_Box_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Rational_Box_from_C_Polyhedron_with_complexity (ppl_Rational_Box_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Rational_Box_from_NNC_Polyhedron_with_complexity (ppl_Rational_Box_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Rational_Box_from_Grid_with_complexity (ppl_Rational_Box_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_Rational_Box_from_Float_Box_with_complexity (ppl_Rational_Box_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_Rational_Box_from_BD_Shape_float_with_complexity (ppl_Rational_Box_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)
- int ppl_new_Rational_Box_from_Octagonal_Shape_float_with_complexity (ppl_Rational_Box_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_Rational_Box_from_Double_Box_with_complexity (ppl_Rational_Box_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_Rational_Box_from_BD_Shape_double_with_complexity (ppl_Rational_Box_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_Rational_Box_from_Octagonal_Shape_double_with_complexity (ppl_Rational_Box_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_Rational_Box_from_Long_Double_Box_with_complexity (ppl_Rational_Box_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_Rational_Box_from_BD_Shape_long_double_with_complexity (ppl_Rational_Box_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_Rational_Box_from_Octagonal_Shape_long_double_with_complexity (ppl_Rational_Box_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_Rational_Box_from_Constraint_System (ppl_Rational_Box_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Rational_Box_from_Congruence_System (ppl_Rational_Box_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_new_Rational_Box_from_Generator_System (ppl_Rational_Box_t *pph, ppl_const_Generator_System_t cs)
- int ppl_Rational_Box_space_dimension (ppl_const_Rational_Box_t ph, ppl_dimension_type *m)
- int ppl_Rational_Box_affine_dimension (ppl_const_Rational_Box_t ph, ppl_dimension_type *m)
- int ppl_Rational_Box_relation_with_Constraint (ppl_const_Rational_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Rational_Box_relation_with_Generator (ppl_const_Rational_Box_t ph, ppl_const_Generator_t c)
- int ppl_Rational_Box_relation_with_Congruence (ppl_const_Rational_Box_t ph, ppl_const_Congruence_t c)

- int ppl_Rational_Box_get_constraints (ppl_const_Rational_Box_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Rational_Box_get_congruences (ppl_const_Rational_Box_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Rational_Box_get_minimized_constraints (ppl_const_Rational_Box_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Rational_Box_get_minimized_congruences (ppl_const_Rational_Box_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Rational_Box_is_empty (ppl_const_Rational_Box_t ph)
- int ppl_Rational_Box_is_universe (ppl_const_Rational_Box_t ph)
- int ppl_Rational_Box_is_bounded (ppl_const_Rational_Box_t ph)
- int ppl_Rational_Box_contains_integer_point (ppl_const_Rational_Box_t ph)
- int ppl_Rational_Box_is_topologically_closed (ppl_const_Rational_Box_t ph)
- int ppl_Rational_Box_is_discrete (ppl_const_Rational_Box_t ph)
- int ppl_Rational_Box_topological_closure_assign (ppl_Rational_Box_t ph)
- int ppl_Rational_Box_bounds_from_above (ppl_const_Rational_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Rational_Box_bounds_from_below (ppl_const_Rational_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Rational_Box_maximize (ppl_const_Rational_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Rational_Box_minimize (ppl_const_Rational_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Rational_Box_maximize_with_point (ppl_const_Rational_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Rational_Box_minimize_with_point (ppl_const_Rational_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Rational_Box_frequency (ppl_const_Rational_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_fn, ppl_Coefficient_t ext_fd, ppl_Coefficient_t ext_vn, ppl_Coefficient_t ext_vd)
- int ppl_Rational_Box_contains_Rational_Box (ppl_const_Rational_Box_t x, ppl_const_Rational_Box_t y)
- int ppl_Rational_Box_strictly_contains_Rational_Box (ppl_const_Rational_Box_t x, ppl_const_Rational_Box_t y)
- int ppl_Rational_Box_is_disjoint_from_Rational_Box (ppl_const_Rational_Box_t x, ppl_const_Rational_Box_t y)
- int ppl_Rational_Box_equals_Rational_Box (ppl_const_Rational_Box_t x, ppl_const_Rational_Box_t y)
- int ppl_Rational_Box_OK (ppl_const_Rational_Box_t ph)
- int ppl_Rational_Box_add_constraint (ppl_Rational_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Rational_Box_add_congruence (ppl_Rational_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Rational_Box_add_constraints (ppl_Rational_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Rational_Box_add_congruences (ppl_Rational_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Rational_Box_refine_with_constraint (ppl_Rational_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Rational_Box_refine_with_congruence (ppl_Rational_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Rational_Box_refine_with_constraints (ppl_Rational_Box_t ph, ppl_const_Constraint_System_t cs)

- int ppl_Rational_Box_refine_with_congruences (ppl_Rational_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Rational_Box_intersection_assign (ppl_Rational_Box_t x, ppl_const_Rational_Box_t y)
- int ppl_Rational_Box_upper_bound_assign (ppl_Rational_Box_t x, ppl_const_Rational_Box_t y)
- int ppl_Rational_Box_difference_assign (ppl_Rational_Box_t x, ppl_const_Rational_Box_t y)
- int ppl_Rational_Box_concatenate_assign (ppl_Rational_Box_t x, ppl_const_Rational_Box_t y)
- int ppl_Rational_Box_time_elapse_assign (ppl_Rational_Box_t x, ppl_const_Rational_Box_t y)
- int ppl_Rational_Box_upper_bound_assign_if_exact (ppl_Rational_Box_t x, ppl_const_Rational_Box_t y)
- int ppl_Rational_Box_simplify_using_context_assign (ppl_Rational_Box_t x, ppl_const_Rational_Box_t y)
- int ppl_Rational_Box_constrains (ppl_Rational_Box_t ph, ppl_dimension_type var)
- int ppl_Rational_Box_unconstrain_space_dimension (ppl_Rational_Box_t ph, ppl_dimension_type var)
- int ppl_Rational_Box_unconstrain_space_dimensions (ppl_Rational_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Rational_Box_affine_image (ppl_Rational_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Rational_Box_affine_preimage (ppl_Rational_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Rational_Box_bounded_affine_image (ppl_Rational_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Rational_Box_bounded_affine_preimage (ppl_Rational_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Rational_Box_generalized_affine_image (ppl_Rational_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Rational_Box_generalized_affine_preimage (ppl_Rational_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Rational_Box_generalized_affine_image_lhs_rhs (ppl_Rational_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Rational_Box_generalized_affine_preimage_lhs_rhs (ppl_Rational_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Rational_Box_add_space_dimensions_and_embed (ppl_Rational_Box_t ph, ppl_dimension_type d)
- int ppl_Rational_Box_add_space_dimensions_and_project (ppl_Rational_Box_t ph, ppl_dimension_type d)
- int ppl_Rational_Box_remove_space_dimensions (ppl_Rational_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Rational_Box_remove_higher_space_dimensions (ppl_Rational_Box_t ph, ppl_dimension_type d)
- int ppl_Rational_Box_expand_space_dimension (ppl_Rational_Box_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Rational_Box_fold_space_dimensions (ppl_Rational_Box_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Rational_Box_map_space_dimensions (ppl_Rational_Box_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Rational_Box_drop_some_non_integer_points (ppl_Rational_Box_t ph, int complexity)

- int ppl_Rational_Box_drop_some_non_integer_points_2 (ppl_Rational_Box_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Rational_Box_external_memory_in_bytes (ppl_const_Rational_Box_t ps, size_t *sz)
- int ppl_Rational_Box_total_memory_in_bytes (ppl_const_Rational_Box_t ps, size_t *sz)
- int ppl_Rational_Box_CC76_widening_assign_with_tokens (ppl_Rational_Box_t x, ppl_const_Rational_Box_t y, unsigned *tp)
- int ppl_Rational_Box_CC76_widening_assign (ppl_Rational_Box_t x, ppl_const_Rational_Box_t y)
- int ppl_Rational_Box_widening_assign_with_tokens (ppl_Rational_Box_t x, ppl_const_Rational_Box_t y, unsigned *tp)
- int ppl_Rational_Box_widening_assign (ppl_Rational_Box_t x, ppl_const_Rational_Box_t y)
- int ppl_Rational_Box_limited_CC76_extrapolation_assign_with_tokens (ppl_Rational_Box_t x, ppl_const_Rational_Box_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_Rational_Box_limited_CC76_extrapolation_assign (ppl_Rational_Box_t x, ppl_const_Rational_Box_t y, ppl_const_Constraint_System_t cs)
- int ppl_Rational_Box_linear_partition (ppl_const_Rational_Box_t x, ppl_const_Rational_Box_t y, ppl_Rational_Box_t *p_inters, ppl_Pointset_Powerset_NNC_Polyhedron_t *p_rest)
- int ppl_Rational_Box_wrap_assign (ppl_Rational_Box_t ph, ppl_dimension_type ds[ ], size_t n, enum ppl_enum_Bounded_Integer_Type_Width w, enum ppl_enum_Bounded_Integer_Type_Representation r, enum ppl_enum_Bounded_Integer_Type_Overflow o, const ppl_const_Constraint_System_t *pcs, unsigned complexity_threshold, int wrap_individually)
- int ppl_new_Rational_Box_recycle_Constraint_System (ppl_Rational_Box_t *pph, ppl_Constraint_System_t cs)
- int ppl_new_Rational_Box_recycle_Congruence_System (ppl_Rational_Box_t *pph, ppl_Congruence_System_t cs)
- int ppl_new_Rational_Box_recycle_Generator_System (ppl_Rational_Box_t *pph, ppl_Generator_System_t cs)
- int ppl_assign_Rational_Box_from_Rational_Box (ppl_Rational_Box_t dst, ppl_const_Rational_Box_t src)
- int ppl_Rational_Box_add_recycled_constraints (ppl_Rational_Box_t ph, ppl_Constraint_System_t cs)
- int ppl_Rational_Box_add_recycled_congruences (ppl_Rational_Box_t ph, ppl_Congruence_System_t cs)
- int ppl_termination_test_MS_Rational_Box (ppl_const_Rational_Box_t pset)
- int ppl_termination_test_PR_Rational_Box (ppl_const_Rational_Box_t pset)
- int ppl_one_affine_ranking_function_MS_Rational_Box (ppl_const_Rational_Box_t pset, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Rational_Box (ppl_const_Rational_Box_t pset, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Rational_Box (ppl_const_Rational_Box_t pset, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Rational_Box (ppl_const_Rational_Box_t pset, ppl_Polyhedron_t ph)
- int ppl_termination_test_MS_Rational_Box_2 (ppl_const_Rational_Box_t pset_before, ppl_const_Rational_Box_t pset_after)
- int ppl_termination_test_PR_Rational_Box_2 (ppl_const_Rational_Box_t pset_before, ppl_const_Rational_Box_t pset_after)
- int ppl_one_affine_ranking_function_MS_Rational_Box_2 (ppl_const_Rational_Box_t pset_before, ppl_const_Rational_Box_t pset_after, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Rational_Box_2 (ppl_const_Rational_Box_t pset_before, ppl_const_Rational_Box_t pset_after, ppl_Generator_t point)

- int ppl_all_affine_ranking_functions_MS_Rational_Box_2 (ppl_const_Rational_Box_t pset_before, ppl_const_Rational_Box_t pset_after, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Rational_Box_2 (ppl_const_Rational_Box_t pset_before, ppl_const_Rational_Box_t pset_after, ppl_Polyhedron_t ph)
- int ppl_io_print_Rational_Box (ppl_const_Rational_Box_t x)
- int ppl_io_fprint_Rational_Box (FILE *stream, ppl_const_Rational_Box_t x)
- int ppl_io_asprint_Rational_Box (char **strp, ppl_const_Rational_Box_t x)
- int ppl_Rational_Box_ascii_dump (ppl_const_Rational_Box_t x, FILE *stream)
- int ppl_Rational_Box_ascii_load (ppl_Rational_Box_t x, FILE *stream)

7.155.1 Detailed Description

Types and functions for ppl_Rational_Box_tag.

7.155.2 Friends And Related Function Documentation

7.155.2.1 int ppl_delete_Rational_Box (ppl_const_Rational_Box_t *ph*) [related]

7.155.2.2 int ppl_new_Rational_Box_from_space_dimension (ppl_Rational_Box_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.155.2.3 int ppl_new_Rational_Box_from_Int8_Box (ppl_Rational_Box_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.155.2.4 int ppl_new_Rational_Box_from_Int16_Box (ppl_Rational_Box_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.155.2.5 int ppl_new_Rational_Box_from_Int32_Box (ppl_Rational_Box_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.155.2.6 int ppl_new_Rational_Box_from_Int64_Box (ppl_Rational_Box_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.155.2.7 int ppl_new_Rational_Box_from_Uint8_Box (ppl_Rational_Box_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.155.2.8 int ppl_new_Rational_Box_from_Uint16_Box (ppl_Rational_Box_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.155.2.9 int ppl_new_Rational_Box_from_Uint32_Box (ppl_Rational_Box_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.155.2.10 int ppl_new_Rational_Box_from_Uint64_Box (ppl_Rational_Box_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.155.2.11 int ppl_new_Rational_Box_from_Z_Box (ppl_Rational_Box_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.155.2.12 int ppl_new_Rational_Box_from_Rational_Box (ppl_Rational_Box_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.155.2.13 int ppl_new_Rational_Box_from_BD_Shape_int8_t (ppl_Rational_Box_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.155.2.14 int ppl_new_Rational_Box_from_BD_Shape_int16_t (ppl_Rational_Box_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.155.2.15 int ppl_new_Rational_Box_from_BD_Shape_int32_t (ppl_Rational_Box_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.155.2.16 int ppl_new_Rational_Box_from_BD_Shape_int64_t (ppl_Rational_Box_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.155.2.17 int ppl_new_Rational_Box_from_BD_Shape_mpz_class (ppl_Rational_Box_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.155.2.18 int ppl_new_Rational_Box_from_BD_Shape_mpq_class (ppl_Rational_Box_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.155.2.19 int ppl_new_Rational_Box_from_Octagonal_Shape_int8_t (ppl_Rational_Box_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.155.2.20 int ppl_new_Rational_Box_from_Octagonal_Shape_int16_t (ppl_Rational_Box_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.155.2.21 int ppl_new_Rational_Box_from_Octagonal_Shape_int32_t (ppl_Rational_Box_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.155.2.22 int ppl_new_Rational_Box_from_Octagonal_Shape_int64_t (ppl_Rational_Box_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.155.2.23 int ppl_new_Rational_Box_from_Octagonal_Shape_mpz_class (ppl_Rational_Box_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.155.2.24 int ppl_new_Rational_Box_from_Octagonal_Shape_mpq_class (ppl_Rational_Box_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.155.2.25 int ppl_new_Rational_Box_from_C_Polyhedron (ppl_Rational_Box_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.155.2.26 int ppl_new_Rational_Box_from_NNC_Polyhedron (ppl_Rational_Box_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.155.2.27 int ppl_new_Rational_Box_from_Grid (ppl_Rational_Box_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.155.2.28 int ppl_new_Rational_Box_from_Float_Box (ppl_Rational_Box_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.155.2.29 int ppl_new_Rational_Box_from_BD_Shape_float (ppl_Rational_Box_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.155.2.30 int ppl_new_Rational_Box_from_Octagonal_Shape_float (ppl_Rational_Box_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.155.2.31 int ppl_new_Rational_Box_from_Double_Box (ppl_Rational_Box_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.155.2.32 int ppl_new_Rational_Box_from_BD_Shape_double (ppl_Rational_Box_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.155.2.33 int ppl_new_Rational_Box_from_Octagonal_Shape_double (ppl_Rational_Box_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.155.2.34 int ppl_new_Rational_Box_from_Long_Double_Box (ppl_Rational_Box_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.155.2.35 int ppl_new_Rational_Box_from_BD_Shape_long_double (ppl_Rational_Box_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.155.2.36 int ppl_new_Rational_Box_from_Octagonal_Shape_long_double (ppl_Rational_Box_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.155.2.37 int ppl_new_Rational_Box_from_Int8_Box_with_complexity (ppl_Rational_Box_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.155.2.38 int ppl_new_Rational_Box_from_Int16_Box_with_complexity (ppl_Rational_Box_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.155.2.39 int ppl_new_Rational_Box_from_Int32_Box_with_complexity (ppl_Rational_Box_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.155.2.40 int ppl_new_Rational_Box_from_Int64_Box_with_complexity (ppl_Rational_Box_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.155.2.41 int ppl_new_Rational_Box_from_Uint8_Box_with_complexity (ppl_Rational_Box_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.155.2.42 int ppl_new_Rational_Box_from_Uint16_Box_with_complexity (ppl_Rational_Box_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.155.2.43 int ppl_new_Rational_Box_from_Uint32_Box_with_complexity (ppl_Rational_Box_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.155.2.44 int ppl_new_Rational_Box_from_Uint64_Box_with_complexity (ppl_Rational_Box_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.155.2.45 int ppl_new_Rational_Box_from_Z_Box_with_complexity (ppl_Rational_Box_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.155.2.46 int ppl_new_Rational_Box_from_Rational_Box_with_complexity (ppl_Rational_Box_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.155.2.47 int ppl_new_Rational_Box_from_BD_Shape_int8_t_with_complexity (ppl_Rational_Box_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.155.2.48 int ppl_new_Rational_Box_from_BD_Shape_int16_t_with_complexity (ppl_Rational_Box_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.155.2.49 int ppl_new_Rational_Box_from_BD_Shape_int32_t_with_complexity (ppl_Rational_Box_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.155.2.50 int ppl_new_Rational_Box_from_BD_Shape_int64_t_with_complexity (ppl_Rational_Box_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.155.2.51 int ppl_new_Rational_Box_from_BD_Shape_mpz_class_with_complexity (ppl_Rational_Box_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.155.2.52 int ppl_new_Rational_Box_from_BD_Shape_mpq_class_with_complexity (ppl_Rational_Box_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.155.2.53 int ppl_new_Rational_Box_from_Octagonal_Shape_int8_t_with_complexity (ppl_Rational_Box_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.155.2.54 int ppl_new_Rational_Box_from_Octagonal_Shape_int16_t_with_complexity (ppl_Rational_Box_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.155.2.55 int ppl_new_Rational_Box_from_Octagonal_Shape_int32_t_with_complexity (ppl_Rational_Box_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.155.2.56 int ppl_new_Rational_Box_from_Octagonal_Shape_int64_t_with_complexity (ppl_Rational_Box_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.155.2.57 int ppl_new_Rational_Box_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Rational_Box_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.155.2.58 int ppl_new_Rational_Box_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Rational_Box_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.155.2.59 int ppl_new_Rational_Box_from_C_Polyhedron_with_complexity (ppl_Rational_Box_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.155.2.60 int ppl_new_Rational_Box_from_NNC_Polyhedron_with_complexity (ppl_Rational_Box_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.155.2.61 int ppl_new_Rational_Box_from_Grid_with_complexity (ppl_Rational_Box_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.155.2.62 int ppl_new_Rational_Box_from_Float_Box_with_complexity (ppl_Rational_Box_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.155.2.63 int ppl_new_Rational_Box_from_BD_Shape_float_with_complexity (ppl_Rational_Box_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.155.2.64 int ppl_new_Rational_Box_from_Octagonal_Shape_float_with_complexity (ppl_Rational_Box_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.155.2.65 int ppl_new_Rational_Box_from_Double_Box_with_complexity (ppl_Rational_Box_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.155.2.66 int ppl_new_Rational_Box_from_BD_Shape_double_with_complexity (ppl_Rational_Box_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.155.2.67 int ppl_new_Rational_Box_from_Octagonal_Shape_double_with_complexity (ppl_Rational_Box_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.155.2.68 int ppl_new_Rational_Box_from_Long_Double_Box_with_complexity (ppl_Rational_Box_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.155.2.69 int ppl_new_Rational_Box_from_BD_Shape_long_double_with_complexity (ppl_Rational_Box_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.155.2.70 int ppl_new_Rational_Box_from_Octagonal_Shape_long_double_with_complexity (ppl_Rational_Box_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.155.2.71 int ppl_new_Rational_Box_from_Constraint_System (ppl_Rational_Box_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.155.2.72 int ppl_new_Rational_Box_from_Congruence_System (ppl_Rational_Box_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.155.2.73 int ppl_new_Rational_Box_from_Generator_System (ppl_Rational_Box_t * *pph*, ppl_const_Generator_System_t *cs*) [related]

7.155.2.74 int ppl_Rational_Box_space_dimension (ppl_const_Rational_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.155.2.75 int ppl_Rational_Box_affine_dimension (ppl_const_Rational_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.155.2.76 int ppl_Rational_Box_relation_with_Constraint (ppl_const_Rational_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.155.2.77 int ppl_Rational_Box_relation_with_Generator (ppl_const_Rational_Box_t *ph*, ppl_const_Generator_t *c*) [related]

7.155.2.78 int ppl_Rational_Box_relation_with_Congruence (ppl_const_Rational_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.155.2.79 int ppl_Rational_Box_get_constraints (ppl_const_Rational_Box_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.155.2.80 int ppl_Rational_Box_get_congruences (ppl_const_Rational_Box_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.155.2.81 int ppl_Rational_Box_get_minimized_constraints (ppl_const_Rational_Box_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.155.2.82 int ppl_Rational_Box_get_minimized_congruences (ppl_const_Rational_Box_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.155.2.83 int ppl_Rational_Box_is_empty (ppl_const_Rational_Box_t *ph*) [related]

7.155.2.84 int ppl_Rational_Box_is_universe (ppl_const_Rational_Box_t *ph*) [related]

7.155.2.85 int ppl_Rational_Box_is_bounded (ppl_const_Rational_Box_t *ph*) [related]

7.155.2.86 int ppl_Rational_Box_contains_integer_point (ppl_const_Rational_Box_t *ph*) [related]

7.155.2.87 int ppl_Rational_Box_is_topologically_closed (ppl_const_Rational_Box_t *ph*) [related]

7.155.2.88 int ppl_Rational_Box_is_discrete (ppl_const_Rational_Box_t *ph*) [related]

7.155.2.89 int ppl_Rational_Box_topological_closure_assign (ppl_Rational_Box_t *ph*) [related]

7.155.2.90 int ppl_Rational_Box_bounds_from_above (ppl_const_Rational_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.155.2.91 int ppl_Rational_Box_bounds_from_below (ppl_const_Rational_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.155.2.92 int ppl_Rational_Box_maximize (ppl_const_Rational_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.155.2.93 int ppl_Rational_Box_minimize (ppl_const_Rational_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.155.2.94 int ppl_Rational_Box_maximize_with_point (ppl_const_Rational_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.155.2.95 int ppl_Rational_Box_minimize_with_point (ppl_const_Rational_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.155.2.96 int ppl_Rational_Box_frequency (ppl_const_Rational_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_fn*, ppl_Coefficient_t *ext_fd*, ppl_Coefficient_t *ext_vn*, ppl_Coefficient_t *ext_vd*) [related]

7.155.2.97 int ppl_Rational_Box_contains_Rational_Box (ppl_const_Rational_Box_t *x*, ppl_const_Rational_Box_t *y*) [related]

7.155.2.98 int ppl_Rational_Box_strictly_contains_Rational_Box (ppl_const_Rational_Box_t *x*, ppl_const_Rational_Box_t *y*) [related]

7.155.2.99 int ppl_Rational_Box_is_disjoint_from_Rational_Box (ppl_const_Rational_Box_t *x*, ppl_const_Rational_Box_t *y*) [related]

7.155.2.100 int ppl_Rational_Box_equals_Rational_Box (ppl_const_Rational_Box_t *x*, ppl_const_Rational_Box_t *y*) [related]

7.155.2.101 int ppl_Rational_Box_OK (ppl_const_Rational_Box_t *ph*) [related]

7.155.2.102 int ppl_Rational_Box_add_constraint (ppl_Rational_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.155.2.103 int ppl_Rational_Box_add_congruence (ppl_Rational_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.155.2.104 int ppl_Rational_Box_add_constraints (ppl_Rational_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.155.2.105 int ppl_Rational_Box_add_congruences (ppl_Rational_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.155.2.106 int ppl_Rational_Box_refine_with_constraint (ppl_Rational_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.155.2.107 int ppl_Rational_Box_refine_with_congruence (ppl_Rational_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.155.2.108 int ppl_Rational_Box_refine_with_constraints (ppl_Rational_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.155.2.109 int ppl_Rational_Box_refine_with_congruences (ppl_Rational_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.155.2.110 int ppl_Rational_Box_intersection_assign (ppl_Rational_Box_t *x*, ppl_const_Rational_Box_t *y*) [related]

7.155.2.111 int ppl_Rational_Box_upper_bound_assign (ppl_Rational_Box_t *x*, ppl_const_Rational_Box_t *y*) [related]

7.155.2.112 int ppl_Rational_Box_difference_assign (ppl_Rational_Box_t *x*, ppl_const_Rational_Box_t *y*) [related]

7.155.2.113 int ppl_Rational_Box_concatenate_assign (ppl_Rational_Box_t *x*, ppl_const_Rational_Box_t *y*) [related]

7.155.2.114 int ppl_Rational_Box_time_elapse_assign (ppl_Rational_Box_t *x*, ppl_const_Rational_Box_t *y*) [related]

7.155.2.115 int ppl_Rational_Box_upper_bound_assign_if_exact (ppl_Rational_Box_t *x*, ppl_const_Rational_Box_t *y*) [related]

7.155.2.116 int ppl_Rational_Box_simplify_using_context_assign (ppl_Rational_Box_t *x*, ppl_const_Rational_Box_t *y*) [related]

7.155.2.117 int ppl_Rational_Box_constrains (ppl_Rational_Box_t *ph*, ppl_dimension_type *var*) [related]

7.155.2.118 int ppl_Rational_Box_unconstrain_space_dimension (ppl_Rational_Box_t *ph*, ppl_dimension_type *var*) [related]

7.155.2.119 int ppl_Rational_Box_unconstrain_space_dimensions (ppl_Rational_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.155.2.120 int ppl_Rational_Box_affine_image (ppl_Rational_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.155.2.121 int ppl_Rational_Box_affine_preimage (ppl_Rational_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.155.2.122 int ppl_Rational_Box_bounded_affine_image (ppl_Rational_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.155.2.123 int ppl_Rational_Box_bounded_affine_preimage (ppl_Rational_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.155.2.124 int ppl_Rational_Box_generalized_affine_image (ppl_Rational_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.155.2.125 int ppl_Rational_Box_generalized_affine_preimage (ppl_Rational_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.155.2.126 int ppl_Rational_Box_generalized_affine_image_lhs_rhs (ppl_Rational_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.155.2.127 int ppl_Rational_Box_generalized_affine_preimage_lhs_rhs (ppl_Rational_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.155.2.128 int ppl_Rational_Box_add_space_dimensions_and_embed (ppl_Rational_Box_t *ph*, ppl_dimension_type *d*) [related]

7.155.2.129 int ppl_Rational_Box_add_space_dimensions_and_project (ppl_Rational_Box_t *ph*, ppl_dimension_type *d*) [related]

7.155.2.130 int ppl_Rational_Box_remove_space_dimensions (ppl_Rational_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.155.2.131 int ppl_Rational_Box_remove_higher_space_dimensions (ppl_Rational_Box_t *ph*, ppl_dimension_type *d*) [related]

7.155.2.132 int ppl_Rational_Box_expand_space_dimension (ppl_Rational_Box_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.155.2.133 int ppl_Rational_Box_fold_space_dimensions (ppl_Rational_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.155.2.134 int ppl_Rational_Box_map_space_dimensions (ppl_Rational_Box_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.155.2.135 int ppl_Rational_Box_drop_some_non_integer_points (ppl_Rational_Box_t *ph*, int *complexity*) [related]

7.155.2.136 int ppl_Rational_Box_drop_some_non_integer_points_2 (ppl_Rational_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.155.2.137 int ppl_Rational_Box_external_memory_in_bytes (ppl_const_Rational_Box_t *ps*, size_t * *sz*) [related]

7.155.2.138 int ppl_Rational_Box_total_memory_in_bytes (ppl_const_Rational_Box_t *ps*, size_t * *sz*) [related]

7.155.2.139 int ppl_Rational_Box_CC76_widening_assign_with_tokens (ppl_Rational_Box_t *x*, ppl_const_Rational_Box_t *y*, unsigned * *tp*) [related]

7.155.2.140 int ppl_Rational_Box_CC76_widening_assign (ppl_Rational_Box_t *x*, ppl_const_Rational_Box_t *y*) [related]

7.155.2.141 int ppl_Rational_Box_widening_assign_with_tokens (ppl_Rational_Box_t *x*, ppl_const_Rational_Box_t *y*, unsigned * *tp*) [related]

7.155.2.142 int ppl_Rational_Box_widening_assign (ppl_Rational_Box_t *x*, ppl_const_Rational_Box_t *y*) [related]

7.155.2.143 int ppl_Rational_Box_limited_CC76_extrapolation_assign_with_tokens (ppl_Rational_Box_t *x*, ppl_const_Rational_Box_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.155.2.144 int ppl_Rational_Box_limited_CC76_extrapolation_assign (ppl_Rational_Box_t *x*, ppl_const_Rational_Box_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.155.2.145 int ppl_Rational_Box_linear_partition (ppl_const_Rational_Box_t *x*, ppl_const_Rational_Box_t *y*, ppl_Rational_Box_t * *p_inters*, ppl_Pointset_Powerset_NNC_Polyhedron_t * *p_rest*) [related]

7.155.2.146 int ppl_Rational_Box_wrap_assign (ppl_Rational_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, enum ppl_enum_Bounded_Integer_Type_Width *w*, enum ppl_enum_Bounded_Integer_Type_Representation *r*, enum ppl_enum_Bounded_Integer_Type_Overflow *o*, const ppl_const_Constraint_System_t * *pcs*, unsigned *complexity_threshold*, int *wrap_individually*) [related]

7.155.2.147 int ppl_new_Rational_Box_recycle_Constraint_System (ppl_Rational_Box_t * *pph*, ppl_Constraint_System_t *cs*) [related]

7.155.2.148 int ppl_new_Rational_Box_recycle_Congruence_System (ppl_Rational_Box_t * *pph*, ppl_Congruence_System_t *cs*) [related]

7.155.2.149 int ppl_new_Rational_Box_recycle_Generator_System (ppl_Rational_Box_t * *pph*, ppl_Generator_System_t *cs*) [related]

7.155.2.150 int ppl_assign_Rational_Box_from_Rational_Box (ppl_Rational_Box_t *dst*, ppl_const_Rational_Box_t *src*) [related]

7.155.2.151 int ppl_Rational_Box_add_recycled_constraints (ppl_Rational_Box_t *ph*, ppl_Constraint_System_t *cs*) [related]

7.155.2.152 int ppl_Rational_Box_add_recycled_congruences (ppl_Rational_Box_t *ph*, ppl_Congruence_System_t *cs*) [related]

7.155.2.153 int ppl_termination_test_MS_Rational_Box (ppl_const_Rational_Box_t *pset*) [related]

7.155.2.154 int ppl_termination_test_PR_Rational_Box (ppl_const_Rational_Box_t *pset*) [related]

7.155.2.155 int ppl_one_affine_ranking_function_MS_Rational_Box (ppl_const_Rational_Box_t *pset*, ppl_Generator_t *point*) [related]

7.155.2.156 int ppl_one_affine_ranking_function_PR_Rational_Box (ppl_const_Rational_Box_t *pset*, ppl_Generator_t *point*) [related]

7.155.2.157 int ppl_all_affine_ranking_functions_MS_Rational_Box (ppl_const_Rational_Box_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.155.2.158 int ppl_all_affine_ranking_functions_PR_Rational_Box (ppl_const_Rational_Box_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.155.2.159 int ppl_termination_test_MS_Rational_Box_2 (ppl_const_Rational_Box_t *pset_before*, ppl_const_Rational_Box_t *pset_after*) [related]

7.155.2.160 int ppl_termination_test_PR_Rational_Box_2 (ppl_const_Rational_Box_t *pset_before*, ppl_const_Rational_Box_t *pset_after*) [related]

7.155.2.161 int ppl_one_affine_ranking_function_MS_Rational_Box_2 (ppl_const_Rational_Box_t *pset_before*, ppl_const_Rational_Box_t *pset_after*, ppl_Generator_t *point*) [related]

7.155.2.162 int ppl_one_affine_ranking_function_PR_Rational_Box_2 (ppl_const_Rational_Box_t *pset_before*, ppl_const_Rational_Box_t *pset_after*, ppl_Generator_t *point*) [related]

7.155.2.163 int ppl_all_affine_ranking_functions_MS_Rational_Box_2 (ppl_const_Rational_Box_t *pset_before*, ppl_const_Rational_Box_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.155.2.164 int ppl_all_affine_ranking_functions_PR_Rational_Box_2 (ppl_const_Rational_Box_t *pset_before*, ppl_const_Rational_Box_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.155.2.165 int ppl_io_print_Rational_Box (ppl_const_Rational_Box_t *x*) [related]

7.155.2.166 int ppl_io_fprint_Rational_Box (FILE * *stream*, ppl_const_Rational_Box_t *x*) [related]

7.155.2.167 int ppl_io_asprint_Rational_Box (char ** *strp*, ppl_const_Rational_Box_t *x*) [related]

7.155.2.168 int ppl_Rational_Box_ascii_dump (ppl_const_Rational_Box_t *x*, FILE * *stream*) [related]

7.155.2.169 int ppl_Rational_Box_ascii_load (ppl_Rational_Box_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.156 ppl_Uint16_Box_tag Interface Reference

Types and functions for ppl_Uint16_Box_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Uint16_Box (ppl_const_Uint16_Box_t ph)
- int ppl_new_Uint16_Box_from_space_dimension (ppl_Uint16_Box_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Uint16_Box_from_Int8_Box (ppl_Uint16_Box_t *pph, ppl_const_Int8_Box_t ph)
- int ppl_new_Uint16_Box_from_Int16_Box (ppl_Uint16_Box_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_Uint16_Box_from_Int32_Box (ppl_Uint16_Box_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_Uint16_Box_from_Int64_Box (ppl_Uint16_Box_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_Uint16_Box_from_Uint8_Box (ppl_Uint16_Box_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_Uint16_Box_from_Uint16_Box (ppl_Uint16_Box_t *pph, ppl_const_Uint16_Box_t ph)
- int ppl_new_Uint16_Box_from_Uint32_Box (ppl_Uint16_Box_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_Uint16_Box_from_Uint64_Box (ppl_Uint16_Box_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_Uint16_Box_from_Z_Box (ppl_Uint16_Box_t *pph, ppl_const_Z_Box_t ph)

- int ppl_new_Uint16_Box_from_Rational_Box (ppl_Uint16_Box_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_Uint16_Box_from_BD_Shape_int8_t (ppl_Uint16_Box_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_Uint16_Box_from_BD_Shape_int16_t (ppl_Uint16_Box_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_Uint16_Box_from_BD_Shape_int32_t (ppl_Uint16_Box_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_Uint16_Box_from_BD_Shape_int64_t (ppl_Uint16_Box_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_Uint16_Box_from_BD_Shape_mpz_class (ppl_Uint16_Box_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_Uint16_Box_from_BD_Shape_mpq_class (ppl_Uint16_Box_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_Uint16_Box_from_Octagonal_Shape_int8_t (ppl_Uint16_Box_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_Uint16_Box_from_Octagonal_Shape_int16_t (ppl_Uint16_Box_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_Uint16_Box_from_Octagonal_Shape_int32_t (ppl_Uint16_Box_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_Uint16_Box_from_Octagonal_Shape_int64_t (ppl_Uint16_Box_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_Uint16_Box_from_Octagonal_Shape_mpz_class (ppl_Uint16_Box_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_Uint16_Box_from_Octagonal_Shape_mpq_class (ppl_Uint16_Box_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_Uint16_Box_from_C_Polyhedron (ppl_Uint16_Box_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Uint16_Box_from_NNC_Polyhedron (ppl_Uint16_Box_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Uint16_Box_from_Grid (ppl_Uint16_Box_t *pph, ppl_const_Grid_t ph)
- int ppl_new_Uint16_Box_from_Float_Box (ppl_Uint16_Box_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_Uint16_Box_from_BD_Shape_float (ppl_Uint16_Box_t *pph, ppl_const_BD_Shape_float_t ph)
- int ppl_new_Uint16_Box_from_Octagonal_Shape_float (ppl_Uint16_Box_t *pph, ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_Uint16_Box_from_Double_Box (ppl_Uint16_Box_t *pph, ppl_const_Double_Box_t ph)
- int ppl_new_Uint16_Box_from_BD_Shape_double (ppl_Uint16_Box_t *pph, ppl_const_BD_Shape_double_t ph)
- int ppl_new_Uint16_Box_from_Octagonal_Shape_double (ppl_Uint16_Box_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_Uint16_Box_from_Long_Double_Box (ppl_Uint16_Box_t *pph, ppl_const_Long_Double_Box_t ph)
- int ppl_new_Uint16_Box_from_BD_Shape_long_double (ppl_Uint16_Box_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_Uint16_Box_from_Octagonal_Shape_long_double (ppl_Uint16_Box_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_Uint16_Box_from_Int8_Box_with_complexity (ppl_Uint16_Box_t *pph, ppl_const_Int8_Box_t ph, int complexity)
- int ppl_new_Uint16_Box_from_Int16_Box_with_complexity (ppl_Uint16_Box_t *pph, ppl_const_Int16_Box_t ph, int complexity)

- int ppl_new_Uint16_Box_from_Int32_Box_with_complexity (ppl_Uint16_Box_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_Uint16_Box_from_Int64_Box_with_complexity (ppl_Uint16_Box_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_Uint16_Box_from_Uint8_Box_with_complexity (ppl_Uint16_Box_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_Uint16_Box_from_Uint16_Box_with_complexity (ppl_Uint16_Box_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_Uint16_Box_from_Uint32_Box_with_complexity (ppl_Uint16_Box_t *pph, ppl_const_Uint32_Box_t ph, int complexity)
- int ppl_new_Uint16_Box_from_Uint64_Box_with_complexity (ppl_Uint16_Box_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_Uint16_Box_from_Z_Box_with_complexity (ppl_Uint16_Box_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_Uint16_Box_from_Rational_Box_with_complexity (ppl_Uint16_Box_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_Uint16_Box_from_BD_Shape_int8_t_with_complexity (ppl_Uint16_Box_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)
- int ppl_new_Uint16_Box_from_BD_Shape_int16_t_with_complexity (ppl_Uint16_Box_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_Uint16_Box_from_BD_Shape_int32_t_with_complexity (ppl_Uint16_Box_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_Uint16_Box_from_BD_Shape_int64_t_with_complexity (ppl_Uint16_Box_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_Uint16_Box_from_BD_Shape_mpz_class_with_complexity (ppl_Uint16_Box_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Uint16_Box_from_BD_Shape_mpq_class_with_complexity (ppl_Uint16_Box_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Uint16_Box_from_Octagonal_Shape_int8_t_with_complexity (ppl_Uint16_Box_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_Uint16_Box_from_Octagonal_Shape_int16_t_with_complexity (ppl_Uint16_Box_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_Uint16_Box_from_Octagonal_Shape_int32_t_with_complexity (ppl_Uint16_Box_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_Uint16_Box_from_Octagonal_Shape_int64_t_with_complexity (ppl_Uint16_Box_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_new_Uint16_Box_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Uint16_Box_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Uint16_Box_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Uint16_Box_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Uint16_Box_from_C_Polyhedron_with_complexity (ppl_Uint16_Box_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Uint16_Box_from_NNC_Polyhedron_with_complexity (ppl_Uint16_Box_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Uint16_Box_from_Grid_with_complexity (ppl_Uint16_Box_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_Uint16_Box_from_Float_Box_with_complexity (ppl_Uint16_Box_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_Uint16_Box_from_BD_Shape_float_with_complexity (ppl_Uint16_Box_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)
- int ppl_new_Uint16_Box_from_Octagonal_Shape_float_with_complexity (ppl_Uint16_Box_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)

- int ppl_new_Uint16_Box_from_Double_Box_with_complexity (ppl_Uint16_Box_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_Uint16_Box_from_BD_Shape_double_with_complexity (ppl_Uint16_Box_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_Uint16_Box_from_Octagonal_Shape_double_with_complexity (ppl_Uint16_Box_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_Uint16_Box_from_Long_Double_Box_with_complexity (ppl_Uint16_Box_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_Uint16_Box_from_BD_Shape_long_double_with_complexity (ppl_Uint16_Box_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_Uint16_Box_from_Octagonal_Shape_long_double_with_complexity (ppl_Uint16_Box_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_Uint16_Box_from_Constraint_System (ppl_Uint16_Box_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Uint16_Box_from_Congruence_System (ppl_Uint16_Box_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_new_Uint16_Box_from_Generator_System (ppl_Uint16_Box_t *pph, ppl_const_Generator_System_t cs)
- int ppl_Uint16_Box_space_dimension (ppl_const_Uint16_Box_t ph, ppl_dimension_type *m)
- int ppl_Uint16_Box_affine_dimension (ppl_const_Uint16_Box_t ph, ppl_dimension_type *m)
- int ppl_Uint16_Box_relation_with_Constraint (ppl_const_Uint16_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Uint16_Box_relation_with_Generator (ppl_const_Uint16_Box_t ph, ppl_const_Generator_t c)
- int ppl_Uint16_Box_relation_with_Congruence (ppl_const_Uint16_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Uint16_Box_get_constraints (ppl_const_Uint16_Box_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Uint16_Box_get_congruences (ppl_const_Uint16_Box_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Uint16_Box_get_minimized_constraints (ppl_const_Uint16_Box_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Uint16_Box_get_minimized_congruences (ppl_const_Uint16_Box_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Uint16_Box_is_empty (ppl_const_Uint16_Box_t ph)
- int ppl_Uint16_Box_is_universe (ppl_const_Uint16_Box_t ph)
- int ppl_Uint16_Box_is_bounded (ppl_const_Uint16_Box_t ph)
- int ppl_Uint16_Box_contains_integer_point (ppl_const_Uint16_Box_t ph)
- int ppl_Uint16_Box_is_topologically_closed (ppl_const_Uint16_Box_t ph)
- int ppl_Uint16_Box_is_discrete (ppl_const_Uint16_Box_t ph)
- int ppl_Uint16_Box_topological_closure_assign (ppl_Uint16_Box_t ph)
- int ppl_Uint16_Box_bounds_from_above (ppl_const_Uint16_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Uint16_Box_bounds_from_below (ppl_const_Uint16_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Uint16_Box_maximize (ppl_const_Uint16_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Uint16_Box_minimize (ppl_const_Uint16_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Uint16_Box_maximize_with_point (ppl_const_Uint16_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)

- int ppl_Uint16_Box_minimize_with_point (ppl_const_Uint16_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Uint16_Box_frequency (ppl_const_Uint16_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_fn, ppl_Coefficient_t ext_fd, ppl_Coefficient_t ext_vn, ppl_Coefficient_t ext_vd)
- int ppl_Uint16_Box_contains_Uint16_Box (ppl_const_Uint16_Box_t x, ppl_const_Uint16_Box_t y)
- int ppl_Uint16_Box_strictly_contains_Uint16_Box (ppl_const_Uint16_Box_t x, ppl_const_Uint16_Box_t y)
- int ppl_Uint16_Box_is_disjoint_from_Uint16_Box (ppl_const_Uint16_Box_t x, ppl_const_Uint16_Box_t y)
- int ppl_Uint16_Box_equals_Uint16_Box (ppl_const_Uint16_Box_t x, ppl_const_Uint16_Box_t y)
- int ppl_Uint16_Box_OK (ppl_const_Uint16_Box_t ph)
- int ppl_Uint16_Box_add_constraint (ppl_Uint16_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Uint16_Box_add_congruence (ppl_Uint16_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Uint16_Box_add_constraints (ppl_Uint16_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Uint16_Box_add_congruences (ppl_Uint16_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Uint16_Box_refine_with_constraint (ppl_Uint16_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Uint16_Box_refine_with_congruence (ppl_Uint16_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Uint16_Box_refine_with_constraints (ppl_Uint16_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Uint16_Box_refine_with_congruences (ppl_Uint16_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Uint16_Box_intersection_assign (ppl_Uint16_Box_t x, ppl_const_Uint16_Box_t y)
- int ppl_Uint16_Box_upper_bound_assign (ppl_Uint16_Box_t x, ppl_const_Uint16_Box_t y)
- int ppl_Uint16_Box_difference_assign (ppl_Uint16_Box_t x, ppl_const_Uint16_Box_t y)
- int ppl_Uint16_Box_concatenate_assign (ppl_Uint16_Box_t x, ppl_const_Uint16_Box_t y)
- int ppl_Uint16_Box_time_elapse_assign (ppl_Uint16_Box_t x, ppl_const_Uint16_Box_t y)
- int ppl_Uint16_Box_upper_bound_assign_if_exact (ppl_Uint16_Box_t x, ppl_const_Uint16_Box_t y)
- int ppl_Uint16_Box_simplify_using_context_assign (ppl_Uint16_Box_t x, ppl_const_Uint16_Box_t y)
- int ppl_Uint16_Box_constrains (ppl_Uint16_Box_t ph, ppl_dimension_type var)
- int ppl_Uint16_Box_unconstrain_space_dimension (ppl_Uint16_Box_t ph, ppl_dimension_type var)
- int ppl_Uint16_Box_unconstrain_space_dimensions (ppl_Uint16_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Uint16_Box_affine_image (ppl_Uint16_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Uint16_Box_affine_preimage (ppl_Uint16_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Uint16_Box_bounded_affine_image (ppl_Uint16_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Uint16_Box_bounded_affine_preimage (ppl_Uint16_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Uint16_Box_generalized_affine_image (ppl_Uint16_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Uint16_Box_generalized_affine_preimage (ppl_Uint16_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)

- int ppl_Uint16_Box_generalized_affine_image_lhs_rhs (ppl_Uint16_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Uint16_Box_generalized_affine_preimage_lhs_rhs (ppl_Uint16_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Uint16_Box_add_space_dimensions_and_embed (ppl_Uint16_Box_t ph, ppl_dimension_type d)
- int ppl_Uint16_Box_add_space_dimensions_and_project (ppl_Uint16_Box_t ph, ppl_dimension_type d)
- int ppl_Uint16_Box_remove_space_dimensions (ppl_Uint16_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Uint16_Box_remove_higher_space_dimensions (ppl_Uint16_Box_t ph, ppl_dimension_type d)
- int ppl_Uint16_Box_expand_space_dimension (ppl_Uint16_Box_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Uint16_Box_fold_space_dimensions (ppl_Uint16_Box_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Uint16_Box_map_space_dimensions (ppl_Uint16_Box_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Uint16_Box_drop_some_non_integer_points (ppl_Uint16_Box_t ph, int complexity)
- int ppl_Uint16_Box_drop_some_non_integer_points_2 (ppl_Uint16_Box_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Uint16_Box_external_memory_in_bytes (ppl_const_Uint16_Box_t ps, size_t *sz)
- int ppl_Uint16_Box_total_memory_in_bytes (ppl_const_Uint16_Box_t ps, size_t *sz)
- int ppl_Uint16_Box_CC76_widening_assign_with_tokens (ppl_Uint16_Box_t x, ppl_const_Uint16_Box_t y, unsigned *tp)
- int ppl_Uint16_Box_CC76_widening_assign (ppl_Uint16_Box_t x, ppl_const_Uint16_Box_t y)
- int ppl_Uint16_Box_widening_assign_with_tokens (ppl_Uint16_Box_t x, ppl_const_Uint16_Box_t y, unsigned *tp)
- int ppl_Uint16_Box_widening_assign (ppl_Uint16_Box_t x, ppl_const_Uint16_Box_t y)
- int ppl_Uint16_Box_limited_CC76_extrapolation_assign_with_tokens (ppl_Uint16_Box_t x, ppl_const_Uint16_Box_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_Uint16_Box_limited_CC76_extrapolation_assign (ppl_Uint16_Box_t x, ppl_const_Uint16_Box_t y, ppl_const_Constraint_System_t cs)
- int ppl_Uint16_Box_linear_partition (ppl_const_Uint16_Box_t x, ppl_const_Uint16_Box_t y, ppl_Uint16_Box_t *p_inters, ppl_Pointset_Powerset_NNC_Polyhedron_t *p_rest)
- int ppl_Uint16_Box_wrap_assign (ppl_Uint16_Box_t ph, ppl_dimension_type ds[ ], size_t n, enum ppl_enum_Bounded_Integer_Type_Width w, enum ppl_enum_Bounded_Integer_Type_Representation r, enum ppl_enum_Bounded_Integer_Type_Overflow o, const ppl_const_Constraint_System_t *pcs, unsigned complexity_threshold, int wrap_individually)
- int ppl_new_Uint16_Box_recycle_Constraint_System (ppl_Uint16_Box_t *pph, ppl_Constraint_System_t cs)
- int ppl_new_Uint16_Box_recycle_Congruence_System (ppl_Uint16_Box_t *pph, ppl_Congruence_System_t cs)
- int ppl_new_Uint16_Box_recycle_Generator_System (ppl_Uint16_Box_t *pph, ppl_Generator_System_t cs)
- int ppl_assign_Uint16_Box_from_Uint16_Box (ppl_Uint16_Box_t dst, ppl_const_Uint16_Box_t src)
- int ppl_Uint16_Box_add_recycled_constraints (ppl_Uint16_Box_t ph, ppl_Constraint_System_t cs)
- int ppl_Uint16_Box_add_recycled_congruences (ppl_Uint16_Box_t ph, ppl_Congruence_System_t cs)
- int ppl_termination_test_MS_Uint16_Box (ppl_const_Uint16_Box_t pset)

- int ppl_termination_test_PR_Uint16_Box (ppl_const_Uint16_Box_t pset)
- int ppl_one_affine_ranking_function_MS_Uint16_Box (ppl_const_Uint16_Box_t pset, ppl_-Generator_t point)
- int ppl_one_affine_ranking_function_PR_Uint16_Box (ppl_const_Uint16_Box_t pset, ppl_-Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Uint16_Box (ppl_const_Uint16_Box_t pset, ppl_-Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Uint16_Box (ppl_const_Uint16_Box_t pset, ppl_-Polyhedron_t ph)
- int ppl_termination_test_MS_Uint16_Box_2 (ppl_const_Uint16_Box_t pset_before, ppl_const_-Uint16_Box_t pset_after)
- int ppl_termination_test_PR_Uint16_Box_2 (ppl_const_Uint16_Box_t pset_before, ppl_const_-Uint16_Box_t pset_after)
- int ppl_one_affine_ranking_function_MS_Uint16_Box_2 (ppl_const_Uint16_Box_t pset_before, ppl_const_Uint16_Box_t pset_after, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Uint16_Box_2 (ppl_const_Uint16_Box_t pset_before, ppl_const_Uint16_Box_t pset_after, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Uint16_Box_2 (ppl_const_Uint16_Box_t pset_before, ppl_const_Uint16_Box_t pset_after, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Uint16_Box_2 (ppl_const_Uint16_Box_t pset_before, ppl_const_Uint16_Box_t pset_after, ppl_Polyhedron_t ph)
- int ppl_io_print_Uint16_Box (ppl_const_Uint16_Box_t x)
- int ppl_io_fprint_Uint16_Box (FILE *stream, ppl_const_Uint16_Box_t x)
- int ppl_io_asprint_Uint16_Box (char **strp, ppl_const_Uint16_Box_t x)
- int ppl_Uint16_Box_ascii_dump (ppl_const_Uint16_Box_t x, FILE *stream)
- int ppl_Uint16_Box_ascii_load (ppl_Uint16_Box_t x, FILE *stream)

7.156.1 Detailed Description

Types and functions for ppl_Uint16_Box_tag.

7.156.2 Friends And Related Function Documentation

7.156.2.1 int ppl_delete_Uint16_Box (ppl_const_Uint16_Box_t *ph*) [related]

7.156.2.2 int ppl_new_Uint16_Box_from_space_dimension (ppl_Uint16_Box_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.156.2.3 int ppl_new_Uint16_Box_from_Int8_Box (ppl_Uint16_Box_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.156.2.4 int ppl_new_Uint16_Box_from_Int16_Box (ppl_Uint16_Box_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.156.2.5 int ppl_new_Uint16_Box_from_Int32_Box (ppl_Uint16_Box_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.156.2.6 int ppl_new_Uint16_Box_from_Int64_Box (ppl_Uint16_Box_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.156.2.7 int ppl_new_Uint16_Box_from_Uint8_Box (ppl_Uint16_Box_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.156.2.8 int ppl_new_Uint16_Box_from_Uint16_Box (ppl_Uint16_Box_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.156.2.9 int ppl_new_Uint16_Box_from_Uint32_Box (ppl_Uint16_Box_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.156.2.10 int ppl_new_Uint16_Box_from_Uint64_Box (ppl_Uint16_Box_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.156.2.11 int ppl_new_Uint16_Box_from_Z_Box (ppl_Uint16_Box_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.156.2.12 int ppl_new_Uint16_Box_from_Rational_Box (ppl_Uint16_Box_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.156.2.13 int ppl_new_Uint16_Box_from_BD_Shape_int8_t (ppl_Uint16_Box_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.156.2.14 int ppl_new_Uint16_Box_from_BD_Shape_int16_t (ppl_Uint16_Box_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.156.2.15 int ppl_new_Uint16_Box_from_BD_Shape_int32_t (ppl_Uint16_Box_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.156.2.16 int ppl_new_Uint16_Box_from_BD_Shape_int64_t (ppl_Uint16_Box_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.156.2.17 int ppl_new_Uint16_Box_from_BD_Shape_mpz_class (ppl_Uint16_Box_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.156.2.18 int ppl_new_Uint16_Box_from_BD_Shape_mpq_class (ppl_Uint16_Box_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.156.2.19 int ppl_new_Uint16_Box_from_Octagonal_Shape_int8_t (ppl_Uint16_Box_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.156.2.20 int ppl_new_Uint16_Box_from_Octagonal_Shape_int16_t (ppl_Uint16_Box_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.156.2.21 int ppl_new_Uint16_Box_from_Octagonal_Shape_int32_t (ppl_Uint16_Box_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.156.2.22 int ppl_new_Uint16_Box_from_Octagonal_Shape_int64_t (ppl_Uint16_Box_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.156.2.23 int ppl_new_Uint16_Box_from_Octagonal_Shape_mpz_class (ppl_Uint16_Box_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.156.2.24 int ppl_new_Uint16_Box_from_Octagonal_Shape_mpq_class (ppl_Uint16_Box_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.156.2.25 int ppl_new_Uint16_Box_from_C_Polyhedron (ppl_Uint16_Box_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.156.2.26 int ppl_new_Uint16_Box_from_NNC_Polyhedron (ppl_Uint16_Box_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.156.2.27 int ppl_new_Uint16_Box_from_Grid (ppl_Uint16_Box_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.156.2.28 int ppl_new_Uint16_Box_from_Float_Box (ppl_Uint16_Box_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.156.2.29 int ppl_new_Uint16_Box_from_BD_Shape_float (ppl_Uint16_Box_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.156.2.30 int ppl_new_Uint16_Box_from_Octagonal_Shape_float (ppl_Uint16_Box_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.156.2.31 int ppl_new_Uint16_Box_from_Double_Box (ppl_Uint16_Box_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.156.2.32 int ppl_new_Uint16_Box_from_BD_Shape_double (ppl_Uint16_Box_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.156.2.33 int ppl_new_Uint16_Box_from_Octagonal_Shape_double (ppl_Uint16_Box_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.156.2.34 int ppl_new_Uint16_Box_from_Long_Double_Box (ppl_Uint16_Box_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.156.2.35 int ppl_new_Uint16_Box_from_BD_Shape_long_double (ppl_Uint16_Box_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.156.2.36 int ppl_new_Uint16_Box_from_Octagonal_Shape_long_double (ppl_Uint16_Box_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.156.2.37 int ppl_new_Uint16_Box_from_Int8_Box_with_complexity (ppl_Uint16_Box_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.156.2.38 int ppl_new_Uint16_Box_from_Int16_Box_with_complexity (ppl_Uint16_Box_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.156.2.39 int ppl_new_Uint16_Box_from_Int32_Box_with_complexity (ppl_Uint16_Box_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.156.2.40 int ppl_new_Uint16_Box_from_Int64_Box_with_complexity (ppl_Uint16_Box_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.156.2.41 int ppl_new_Uint16_Box_from_Uint8_Box_with_complexity (ppl_Uint16_Box_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.156.2.42 int ppl_new_Uint16_Box_from_Uint16_Box_with_complexity (ppl_Uint16_Box_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.156.2.43 int ppl_new_Uint16_Box_from_Uint32_Box_with_complexity (ppl_Uint16_Box_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.156.2.44 int ppl_new_Uint16_Box_from_Uint64_Box_with_complexity (ppl_Uint16_Box_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.156.2.45 int ppl_new_Uint16_Box_from_Z_Box_with_complexity (ppl_Uint16_Box_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.156.2.46 int ppl_new_Uint16_Box_from_Rational_Box_with_complexity (ppl_Uint16_Box_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.156.2.47 int ppl_new_Uint16_Box_from_BD_Shape_int8_t_with_complexity (ppl_Uint16_Box_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.156.2.48 int ppl_new_Uint16_Box_from_BD_Shape_int16_t_with_complexity (ppl_Uint16_Box_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.156.2.49 int ppl_new_Uint16_Box_from_BD_Shape_int32_t_with_complexity (ppl_Uint16_Box_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.156.2.50 int ppl_new_Uint16_Box_from_BD_Shape_int64_t_with_complexity (ppl_Uint16_Box_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.156.2.51 int ppl_new_Uint16_Box_from_BD_Shape_mpz_class_with_complexity (ppl_Uint16_Box_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.156.2.52 int ppl_new_Uint16_Box_from_BD_Shape_mpq_class_with_complexity (ppl_Uint16_Box_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.156.2.53 int ppl_new_Uint16_Box_from_Octagonal_Shape_int8_t_with_complexity (ppl_Uint16_Box_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.156.2.54 int ppl_new_Uint16_Box_from_Octagonal_Shape_int16_t_with_complexity (ppl_Uint16_Box_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.156.2.55 int ppl_new_Uint16_Box_from_Octagonal_Shape_int32_t_with_complexity (ppl_Uint16_Box_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.156.2.56 int ppl_new_Uint16_Box_from_Octagonal_Shape_int64_t_with_complexity (ppl_Uint16_Box_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.156.2.57 int ppl_new_Uint16_Box_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Uint16_Box_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.156.2.58 int ppl_new_Uint16_Box_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Uint16_Box_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.156.2.59 int ppl_new_Uint16_Box_from_C_Polyhedron_with_complexity (ppl_Uint16_Box_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.156.2.60 int ppl_new_Uint16_Box_from_NNC_Polyhedron_with_complexity (ppl_Uint16_Box_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.156.2.61 int ppl_new_Uint16_Box_from_Grid_with_complexity (ppl_Uint16_Box_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.156.2.62 int ppl_new_Uint16_Box_from_Float_Box_with_complexity (ppl_Uint16_Box_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.156.2.63 int ppl_new_Uint16_Box_from_BD_Shape_float_with_complexity (ppl_Uint16_Box_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.156.2.64 int ppl_new_Uint16_Box_from_Octagonal_Shape_float_with_complexity (ppl_Uint16_Box_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.156.2.65 int ppl_new_Uint16_Box_from_Double_Box_with_complexity (ppl_Uint16_Box_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.156.2.66 int ppl_new_Uint16_Box_from_BD_Shape_double_with_complexity (ppl_Uint16_Box_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.156.2.67 int ppl_new_Uint16_Box_from_Octagonal_Shape_double_with_complexity (ppl_Uint16_Box_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.156.2.68 int ppl_new_Uint16_Box_from_Long_Double_Box_with_complexity (ppl_Uint16_Box_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.156.2.69 int ppl_new_Uint16_Box_from_BD_Shape_long_double_with_complexity (ppl_Uint16_Box_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.156.2.70 int ppl_new_Uint16_Box_from_Octagonal_Shape_long_double_with_complexity (ppl_Uint16_Box_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.156.2.71 int ppl_new_Uint16_Box_from_Constraint_System (ppl_Uint16_Box_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.156.2.72 int ppl_new_Uint16_Box_from_Congruence_System (ppl_Uint16_Box_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.156.2.73 int ppl_new_Uint16_Box_from_Generator_System (ppl_Uint16_Box_t * *pph*, ppl_const_Generator_System_t *cs*) [related]

7.156.2.74 int ppl_Uint16_Box_space_dimension (ppl_const_Uint16_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.156.2.75 int ppl_Uint16_Box_affine_dimension (ppl_const_Uint16_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.156.2.76 int ppl_Uint16_Box_relation_with_Constraint (ppl_const_Uint16_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.156.2.77 int ppl_Uint16_Box_relation_with_Generator (ppl_const_Uint16_Box_t *ph*, ppl_const_Generator_t *c*) [related]

7.156.2.78 int ppl_Uint16_Box_relation_with_Congruence (ppl_const_Uint16_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.156.2.79 int ppl_Uint16_Box_get_constraints (ppl_const_Uint16_Box_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.156.2.80 int ppl_Uint16_Box_get_congruences (ppl_const_Uint16_Box_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.156.2.81 int ppl_Uint16_Box_get_minimized_constraints (ppl_const_Uint16_Box_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.156.2.82 int ppl_Uint16_Box_get_minimized_congruences (ppl_const_Uint16_Box_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.156.2.83 int ppl_Uint16_Box_is_empty (ppl_const_Uint16_Box_t *ph*) [related]

7.156.2.84 int ppl_Uint16_Box_is_universe (ppl_const_Uint16_Box_t *ph*) [related]

7.156.2.85 int ppl_Uint16_Box_is_bounded (ppl_const_Uint16_Box_t *ph*) [related]

7.156.2.86 int ppl_Uint16_Box_contains_integer_point (ppl_const_Uint16_Box_t *ph*) [related]

7.156.2.87 int ppl_Uint16_Box_is_topologically_closed (ppl_const_Uint16_Box_t *ph*) [related]

7.156.2.88 int ppl_Uint16_Box_is_discrete (ppl_const_Uint16_Box_t *ph*) [related]

7.156.2.89 int ppl_Uint16_Box_topological_closure_assign (ppl_Uint16_Box_t *ph*) [related]

7.156.2.90 int ppl_Uint16_Box_bounds_from_above (ppl_const_Uint16_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.156.2.91 int ppl_Uint16_Box_bounds_from_below (ppl_const_Uint16_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.156.2.92 int ppl_Uint16_Box_maximize (ppl_const_Uint16_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.156.2.93 int ppl_Uint16_Box_minimize (ppl_const_Uint16_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.156.2.94 int ppl_Uint16_Box_maximize_with_point (ppl_const_Uint16_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.156.2.95 int ppl_Uint16_Box_minimize_with_point (ppl_const_Uint16_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.156.2.96 int ppl_Uint16_Box_frequency (ppl_const_Uint16_Box_t *ph*, ppl_const_Linear_-Expression_t *le*, ppl_Coefficient_t *ext_fn*, ppl_Coefficient_t *ext_fd*, ppl_Coefficient_t *ext_vn*, ppl_Coefficient_t *ext_vd*) [related]

7.156.2.97 int ppl_Uint16_Box_contains_Uint16_Box (ppl_const_Uint16_Box_t *x*, ppl_const_Uint16_Box_t *y*) [related]

7.156.2.98 int ppl_Uint16_Box_strictly_contains_Uint16_Box (ppl_const_Uint16_Box_t *x*, ppl_const_Uint16_Box_t *y*) [related]

7.156.2.99 int ppl_Uint16_Box_is_disjoint_from_Uint16_Box (ppl_const_Uint16_Box_t *x*, ppl_const_Uint16_Box_t *y*) [related]

7.156.2.100 int ppl_Uint16_Box_equals_Uint16_Box (ppl_const_Uint16_Box_t *x*, ppl_const_Uint16_Box_t *y*) [related]

7.156.2.101 int ppl_Uint16_Box_OK (ppl_const_Uint16_Box_t *ph*) [related]

7.156.2.102 int ppl_Uint16_Box_add_constraint (ppl_Uint16_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.156.2.103 int ppl_Uint16_Box_add_congruence (ppl_Uint16_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.156.2.104 int ppl_Uint16_Box_add_constraints (ppl_Uint16_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.156.2.105 int ppl_Uint16_Box_add_congruences (ppl_Uint16_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.156.2.106 int ppl_Uint16_Box_refine_with_constraint (ppl_Uint16_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.156.2.107 int ppl_Uint16_Box_refine_with_congruence (ppl_Uint16_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.156.2.108 int ppl_Uint16_Box_refine_with_constraints (ppl_Uint16_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.156.2.109 int ppl_Uint16_Box_refine_with_congruences (ppl_Uint16_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.156.2.110 int ppl_Uint16_Box_intersection_assign (ppl_Uint16_Box_t *x*, ppl_const_Uint16_Box_t *y*) [related]

7.156.2.111 int ppl_Uint16_Box_upper_bound_assign (ppl_Uint16_Box_t *x*, ppl_const_Uint16_Box_t *y*) [related]

7.156.2.112 int ppl_Uint16_Box_difference_assign (ppl_Uint16_Box_t *x*, ppl_const_Uint16_Box_t *y*) [related]

7.156.2.113 int ppl_Uint16_Box_concatenate_assign (ppl_Uint16_Box_t *x*, ppl_const_Uint16_Box_t *y*) [related]

7.156.2.114 int ppl_Uint16_Box_time_elapse_assign (ppl_Uint16_Box_t *x*, ppl_const_Uint16_Box_t *y*) [related]

7.156.2.115 int ppl_Uint16_Box_upper_bound_assign_if_exact (ppl_Uint16_Box_t *x*, ppl_const_Uint16_Box_t *y*) [related]

7.156.2.116 int ppl_Uint16_Box_simplify_using_context_assign (ppl_Uint16_Box_t *x*, ppl_const_Uint16_Box_t *y*) [related]

7.156.2.117 int ppl_Uint16_Box_constrains (ppl_Uint16_Box_t *ph*, ppl_dimension_type *var*) [related]

7.156.2.118 int ppl_Uint16_Box_unconstrain_space_dimension (ppl_Uint16_Box_t *ph*, ppl_dimension_type *var*) [related]

7.156.2.119 int ppl_Uint16_Box_unconstrain_space_dimensions (ppl_Uint16_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.156.2.120 int ppl_Uint16_Box_affine_image (ppl_Uint16_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.156.2.121 int ppl_Uint16_Box_affine_preimage (ppl_Uint16_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.156.2.122 int ppl_Uint16_Box_bounded_affine_image (ppl_Uint16_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.156.2.123 int ppl_Uint16_Box_bounded_affine_preimage (ppl_Uint16_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.156.2.124 int ppl_Uint16_Box_generalized_affine_image (ppl_Uint16_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.156.2.125 int ppl_Uint16_Box_generalized_affine_preimage (ppl_Uint16_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.156.2.126 int ppl_Uint16_Box_generalized_affine_image_lhs_rhs (ppl_Uint16_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.156.2.127 int ppl_Uint16_Box_generalized_affine_preimage_lhs_rhs (ppl_Uint16_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.156.2.128 int ppl_Uint16_Box_add_space_dimensions_and_embed (ppl_Uint16_Box_t *ph*, ppl_dimension_type *d*) [related]

7.156.2.129 int ppl_Uint16_Box_add_space_dimensions_and_project (ppl_Uint16_Box_t *ph*, ppl_dimension_type *d*) [related]

7.156.2.130 int ppl_Uint16_Box_remove_space_dimensions (ppl_Uint16_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.156.2.131 int ppl_Uint16_Box_remove_higher_space_dimensions (ppl_Uint16_Box_t *ph*, ppl_dimension_type *d*) [related]

7.156.2.132 int ppl_Uint16_Box_expand_space_dimension (ppl_Uint16_Box_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.156.2.133 int ppl_Uint16_Box_fold_space_dimensions (ppl_Uint16_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.156.2.134 int ppl_Uint16_Box_map_space_dimensions (ppl_Uint16_Box_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.156.2.135 int ppl_Uint16_Box_drop_some_non_integer_points (ppl_Uint16_Box_t *ph*, int *complexity*) [related]

7.156.2.136 int ppl_Uint16_Box_drop_some_non_integer_points_2 (ppl_Uint16_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.156.2.137 int ppl_Uint16_Box_external_memory_in_bytes (ppl_const_Uint16_Box_t *ps*, size_t * *sz*) [related]

7.156.2.138 int ppl_Uint16_Box_total_memory_in_bytes (ppl_const_Uint16_Box_t *ps*, size_t * *sz*) [related]

7.156.2.139 int ppl_Uint16_Box_CC76_widening_assign_with_tokens (ppl_Uint16_Box_t *x*, ppl_const_Uint16_Box_t *y*, unsigned * *tp*) [related]

7.156.2.140 int ppl_Uint16_Box_CC76_widening_assign (ppl_Uint16_Box_t *x*, ppl_const_Uint16_Box_t *y*) [related]

7.156.2.141 int ppl_Uint16_Box_widening_assign_with_tokens (ppl_Uint16_Box_t *x*, ppl_const_Uint16_Box_t *y*, unsigned * *tp*) [related]

7.156.2.142 int ppl_Uint16_Box_widening_assign (ppl_Uint16_Box_t *x*, ppl_const_Uint16_Box_t *y*) [related]

7.156.2.143 int ppl_Uint16_Box_limited_CC76_extrapolation_assign_with_tokens (ppl_Uint16_Box_t *x*, ppl_const_Uint16_Box_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.156.2.144 int ppl_Uint16_Box_limited_CC76_extrapolation_assign (ppl_Uint16_Box_t *x*, ppl_const_Uint16_Box_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.156.2.145 int ppl_Uint16_Box_linear_partition (ppl_const_Uint16_Box_t *x*, ppl_const_Uint16_Box_t *y*, ppl_Uint16_Box_t * *p_inters*, ppl_Pointset_Powerset_NNC_Polyhedron_t * *p_rest*) [related]

7.156.2.146 int ppl_Uint16_Box_wrap_assign (ppl_Uint16_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, enum ppl_enum_Bounded_Integer_Type_Width *w*, enum ppl_enum_Bounded_Integer_Type_Representation *r*, enum ppl_enum_Bounded_Integer_Type_Overflow *o*, const ppl_const_Constraint_System_t * *pcs*, unsigned *complexity_threshold*, int *wrap_individually*) [related]

7.156.2.147 int ppl_new_Uint16_Box_recycle_Constraint_System (ppl_Uint16_Box_t * *pph*, ppl_Constraint_System_t *cs*) [related]

7.156.2.148 int ppl_new_Uint16_Box_recycle_Congruence_System (ppl_Uint16_Box_t * *pph*, ppl_Congruence_System_t *cs*) [related]

7.156.2.149 int ppl_new_Uint16_Box_recycle_Generator_System (ppl_Uint16_Box_t * *pph*, ppl_Generator_System_t *cs*) [related]

7.156.2.150 int ppl_assign_Uint16_Box_from_Uint16_Box (ppl_Uint16_Box_t *dst*, ppl_const_Uint16_Box_t *src*) [related]

7.156.2.151 int ppl_Uint16_Box_add_recycled_constraints (ppl_Uint16_Box_t *ph*, ppl_Constraint_System_t *cs*) [related]

7.156.2.152 int ppl_Uint16_Box_add_recycled_congruences (ppl_Uint16_Box_t *ph*, ppl_Congruence_System_t *cs*) [related]

7.156.2.153 int ppl_termination_test_MS_Uint16_Box (ppl_const_Uint16_Box_t *pset*) [related]

7.156.2.154 int ppl_termination_test_PR_Uint16_Box (ppl_const_Uint16_Box_t *pset*) [related]

7.156.2.155 int ppl_one_affine_ranking_function_MS_Uint16_Box (ppl_const_Uint16_Box_t *pset*, ppl_Generator_t *point*) [related]

7.156.2.156 int ppl_one_affine_ranking_function_PR_Uint16_Box (ppl_const_Uint16_Box_t *pset*, ppl_Generator_t *point*) [related]

7.156.2.157 int ppl_all_affine_ranking_functions_MS_Uint16_Box (ppl_const_Uint16_Box_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.156.2.158 int ppl_all_affine_ranking_functions_PR_Uint16_Box (ppl_const_Uint16_Box_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.156.2.159 int ppl_termination_test_MS_Uint16_Box_2 (ppl_const_Uint16_Box_t *pset_before*, ppl_const_Uint16_Box_t *pset_after*) [related]

7.156.2.160 int ppl_termination_test_PR_Uint16_Box_2 (ppl_const_Uint16_Box_t *pset_before*, ppl_const_Uint16_Box_t *pset_after*) [related]

7.156.2.161 int ppl_one_affine_ranking_function_MS_Uint16_Box_2 (ppl_const_Uint16_Box_t *pset_before*, ppl_const_Uint16_Box_t *pset_after*, ppl_Generator_t *point*) [related]

7.156.2.162 int ppl_one_affine_ranking_function_PR_Uint16_Box_2 (ppl_const_Uint16_Box_t *pset_before*, ppl_const_Uint16_Box_t *pset_after*, ppl_Generator_t *point*) [related]

7.156.2.163 int ppl_all_affine_ranking_functions_MS_Uint16_Box_2 (ppl_const_Uint16_Box_t *pset_before*, ppl_const_Uint16_Box_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.156.2.164 int ppl_all_affine_ranking_functions_PR_Uint16_Box_2 (ppl_const_Uint16_Box_t *pset_before*, ppl_const_Uint16_Box_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.156.2.165 int ppl_io_print_Uint16_Box (ppl_const_Uint16_Box_t *x*) [related]

7.156.2.166 int ppl_io_fprint_Uint16_Box (FILE * *stream*, ppl_const_Uint16_Box_t *x*) [related]

7.156.2.167 int ppl_io_asprint_Uint16_Box (char ** *strp*, ppl_const_Uint16_Box_t *x*) [related]

7.156.2.168 int ppl_Uint16_Box_ascii_dump (ppl_const_Uint16_Box_t *x*, FILE * *stream*) [related]

7.156.2.169 int ppl_Uint16_Box_ascii_load (ppl_Uint16_Box_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.157 ppl_Uint32_Box_tag Interface Reference

Types and functions for ppl_Uint32_Box_tag.

`#include <ppl_c.h>`

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Uint32_Box (ppl_const_Uint32_Box_t ph)
- int ppl_new_Uint32_Box_from_space_dimension (ppl_Uint32_Box_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Uint32_Box_from_Int8_Box (ppl_Uint32_Box_t *pph, ppl_const_Int8_Box_t ph)
- int ppl_new_Uint32_Box_from_Int16_Box (ppl_Uint32_Box_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_Uint32_Box_from_Int32_Box (ppl_Uint32_Box_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_Uint32_Box_from_Int64_Box (ppl_Uint32_Box_t *pph, ppl_const_Int64_Box_t ph)

- int ppl_new_Uint32_Box_from_Uint8_Box (ppl_Uint32_Box_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_Uint32_Box_from_Uint16_Box (ppl_Uint32_Box_t *pph, ppl_const_Uint16_Box_t ph)
- int ppl_new_Uint32_Box_from_Uint32_Box (ppl_Uint32_Box_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_Uint32_Box_from_Uint64_Box (ppl_Uint32_Box_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_Uint32_Box_from_Z_Box (ppl_Uint32_Box_t *pph, ppl_const_Z_Box_t ph)
- int ppl_new_Uint32_Box_from_Rational_Box (ppl_Uint32_Box_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_Uint32_Box_from_BD_Shape_int8_t (ppl_Uint32_Box_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_Uint32_Box_from_BD_Shape_int16_t (ppl_Uint32_Box_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_Uint32_Box_from_BD_Shape_int32_t (ppl_Uint32_Box_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_Uint32_Box_from_BD_Shape_int64_t (ppl_Uint32_Box_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_Uint32_Box_from_BD_Shape_mpz_class (ppl_Uint32_Box_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_Uint32_Box_from_BD_Shape_mpq_class (ppl_Uint32_Box_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_Uint32_Box_from_Octagonal_Shape_int8_t (ppl_Uint32_Box_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_Uint32_Box_from_Octagonal_Shape_int16_t (ppl_Uint32_Box_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_Uint32_Box_from_Octagonal_Shape_int32_t (ppl_Uint32_Box_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_Uint32_Box_from_Octagonal_Shape_int64_t (ppl_Uint32_Box_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_Uint32_Box_from_Octagonal_Shape_mpz_class (ppl_Uint32_Box_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_Uint32_Box_from_Octagonal_Shape_mpq_class (ppl_Uint32_Box_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_Uint32_Box_from_C_Polyhedron (ppl_Uint32_Box_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Uint32_Box_from_NNC_Polyhedron (ppl_Uint32_Box_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Uint32_Box_from_Grid (ppl_Uint32_Box_t *pph, ppl_const_Grid_t ph)
- int ppl_new_Uint32_Box_from_Float_Box (ppl_Uint32_Box_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_Uint32_Box_from_BD_Shape_float (ppl_Uint32_Box_t *pph, ppl_const_BD_Shape_float_t ph)
- int ppl_new_Uint32_Box_from_Octagonal_Shape_float (ppl_Uint32_Box_t *pph, ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_Uint32_Box_from_Double_Box (ppl_Uint32_Box_t *pph, ppl_const_Double_Box_t ph)
- int ppl_new_Uint32_Box_from_BD_Shape_double (ppl_Uint32_Box_t *pph, ppl_const_BD_Shape_double_t ph)
- int ppl_new_Uint32_Box_from_Octagonal_Shape_double (ppl_Uint32_Box_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_Uint32_Box_from_Long_Double_Box (ppl_Uint32_Box_t *pph, ppl_const_Long_Double_Box_t ph)

- int ppl_new_Uint32_Box_from_BD_Shape_long_double (ppl_Uint32_Box_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_Uint32_Box_from_Octagonal_Shape_long_double (ppl_Uint32_Box_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_Uint32_Box_from_Int8_Box_with_complexity (ppl_Uint32_Box_t *pph, ppl_const_Int8_Box_t ph, int complexity)
- int ppl_new_Uint32_Box_from_Int16_Box_with_complexity (ppl_Uint32_Box_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_Uint32_Box_from_Int32_Box_with_complexity (ppl_Uint32_Box_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_Uint32_Box_from_Int64_Box_with_complexity (ppl_Uint32_Box_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_Uint32_Box_from_Uint8_Box_with_complexity (ppl_Uint32_Box_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_Uint32_Box_from_Uint16_Box_with_complexity (ppl_Uint32_Box_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_Uint32_Box_from_Uint32_Box_with_complexity (ppl_Uint32_Box_t *pph, ppl_const_Uint32_Box_t ph, int complexity)
- int ppl_new_Uint32_Box_from_Uint64_Box_with_complexity (ppl_Uint32_Box_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_Uint32_Box_from_Z_Box_with_complexity (ppl_Uint32_Box_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_Uint32_Box_from_Rational_Box_with_complexity (ppl_Uint32_Box_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_Uint32_Box_from_BD_Shape_int8_t_with_complexity (ppl_Uint32_Box_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)
- int ppl_new_Uint32_Box_from_BD_Shape_int16_t_with_complexity (ppl_Uint32_Box_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_Uint32_Box_from_BD_Shape_int32_t_with_complexity (ppl_Uint32_Box_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_Uint32_Box_from_BD_Shape_int64_t_with_complexity (ppl_Uint32_Box_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_Uint32_Box_from_BD_Shape_mpz_class_with_complexity (ppl_Uint32_Box_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Uint32_Box_from_BD_Shape_mpq_class_with_complexity (ppl_Uint32_Box_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Uint32_Box_from_Octagonal_Shape_int8_t_with_complexity (ppl_Uint32_Box_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_Uint32_Box_from_Octagonal_Shape_int16_t_with_complexity (ppl_Uint32_Box_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_Uint32_Box_from_Octagonal_Shape_int32_t_with_complexity (ppl_Uint32_Box_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_Uint32_Box_from_Octagonal_Shape_int64_t_with_complexity (ppl_Uint32_Box_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_new_Uint32_Box_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Uint32_Box_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Uint32_Box_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Uint32_Box_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Uint32_Box_from_C_Polyhedron_with_complexity (ppl_Uint32_Box_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Uint32_Box_from_NNC_Polyhedron_with_complexity (ppl_Uint32_Box_t *pph, ppl_const_Polyhedron_t ph, int complexity)

- int ppl_new_Uint32_Box_from_Grid_with_complexity (ppl_Uint32_Box_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_Uint32_Box_from_Float_Box_with_complexity (ppl_Uint32_Box_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_Uint32_Box_from_BD_Shape_float_with_complexity (ppl_Uint32_Box_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)
- int ppl_new_Uint32_Box_from_Octagonal_Shape_float_with_complexity (ppl_Uint32_Box_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_Uint32_Box_from_Double_Box_with_complexity (ppl_Uint32_Box_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_Uint32_Box_from_BD_Shape_double_with_complexity (ppl_Uint32_Box_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_Uint32_Box_from_Octagonal_Shape_double_with_complexity (ppl_Uint32_Box_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_Uint32_Box_from_Long_Double_Box_with_complexity (ppl_Uint32_Box_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_Uint32_Box_from_BD_Shape_long_double_with_complexity (ppl_Uint32_Box_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_Uint32_Box_from_Octagonal_Shape_long_double_with_complexity (ppl_Uint32_Box_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_Uint32_Box_from_Constraint_System (ppl_Uint32_Box_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Uint32_Box_from_Congruence_System (ppl_Uint32_Box_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_new_Uint32_Box_from_Generator_System (ppl_Uint32_Box_t *pph, ppl_const_Generator_System_t cs)
- int ppl_Uint32_Box_space_dimension (ppl_const_Uint32_Box_t ph, ppl_dimension_type *m)
- int ppl_Uint32_Box_affine_dimension (ppl_const_Uint32_Box_t ph, ppl_dimension_type *m)
- int ppl_Uint32_Box_relation_with_Constraint (ppl_const_Uint32_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Uint32_Box_relation_with_Generator (ppl_const_Uint32_Box_t ph, ppl_const_Generator_t c)
- int ppl_Uint32_Box_relation_with_Congruence (ppl_const_Uint32_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Uint32_Box_get_constraints (ppl_const_Uint32_Box_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Uint32_Box_get_congruences (ppl_const_Uint32_Box_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Uint32_Box_get_minimized_constraints (ppl_const_Uint32_Box_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Uint32_Box_get_minimized_congruences (ppl_const_Uint32_Box_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Uint32_Box_is_empty (ppl_const_Uint32_Box_t ph)
- int ppl_Uint32_Box_is_universe (ppl_const_Uint32_Box_t ph)
- int ppl_Uint32_Box_is_bounded (ppl_const_Uint32_Box_t ph)
- int ppl_Uint32_Box_contains_integer_point (ppl_const_Uint32_Box_t ph)
- int ppl_Uint32_Box_is_topologically_closed (ppl_const_Uint32_Box_t ph)
- int ppl_Uint32_Box_is_discrete (ppl_const_Uint32_Box_t ph)
- int ppl_Uint32_Box_topological_closure_assign (ppl_Uint32_Box_t ph)
- int ppl_Uint32_Box_bounds_from_above (ppl_const_Uint32_Box_t ph, ppl_const_Linear_Expression_t le)

- int ppl_Uint32_Box_bounds_from_below (ppl_const_Uint32_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Uint32_Box_maximize (ppl_const_Uint32_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Uint32_Box_minimize (ppl_const_Uint32_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Uint32_Box_maximize_with_point (ppl_const_Uint32_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Uint32_Box_minimize_with_point (ppl_const_Uint32_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Uint32_Box_frequency (ppl_const_Uint32_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_fn, ppl_Coefficient_t ext_fd, ppl_Coefficient_t ext_vn, ppl_Coefficient_t ext_vd)
- int ppl_Uint32_Box_contains_Uint32_Box (ppl_const_Uint32_Box_t x, ppl_const_Uint32_Box_t y)
- int ppl_Uint32_Box_strictly_contains_Uint32_Box (ppl_const_Uint32_Box_t x, ppl_const_Uint32_Box_t y)
- int ppl_Uint32_Box_is_disjoint_from_Uint32_Box (ppl_const_Uint32_Box_t x, ppl_const_Uint32_Box_t y)
- int ppl_Uint32_Box_equals_Uint32_Box (ppl_const_Uint32_Box_t x, ppl_const_Uint32_Box_t y)
- int ppl_Uint32_Box_OK (ppl_const_Uint32_Box_t ph)
- int ppl_Uint32_Box_add_constraint (ppl_Uint32_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Uint32_Box_add_congruence (ppl_Uint32_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Uint32_Box_add_constraints (ppl_Uint32_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Uint32_Box_add_congruences (ppl_Uint32_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Uint32_Box_refine_with_constraint (ppl_Uint32_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Uint32_Box_refine_with_congruence (ppl_Uint32_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Uint32_Box_refine_with_constraints (ppl_Uint32_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Uint32_Box_refine_with_congruences (ppl_Uint32_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Uint32_Box_intersection_assign (ppl_Uint32_Box_t x, ppl_const_Uint32_Box_t y)
- int ppl_Uint32_Box_upper_bound_assign (ppl_Uint32_Box_t x, ppl_const_Uint32_Box_t y)
- int ppl_Uint32_Box_difference_assign (ppl_Uint32_Box_t x, ppl_const_Uint32_Box_t y)
- int ppl_Uint32_Box_concatenate_assign (ppl_Uint32_Box_t x, ppl_const_Uint32_Box_t y)
- int ppl_Uint32_Box_time_elapse_assign (ppl_Uint32_Box_t x, ppl_const_Uint32_Box_t y)
- int ppl_Uint32_Box_upper_bound_assign_if_exact (ppl_Uint32_Box_t x, ppl_const_Uint32_Box_t y)
- int ppl_Uint32_Box_simplify_using_context_assign (ppl_Uint32_Box_t x, ppl_const_Uint32_Box_t y)
- int ppl_Uint32_Box_constrains (ppl_Uint32_Box_t ph, ppl_dimension_type var)
- int ppl_Uint32_Box_unconstrain_space_dimension (ppl_Uint32_Box_t ph, ppl_dimension_type var)
- int ppl_Uint32_Box_unconstrain_space_dimensions (ppl_Uint32_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Uint32_Box_affine_image (ppl_Uint32_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Uint32_Box_affine_preimage (ppl_Uint32_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)

- int ppl_Uint32_Box_bounded_affine_image (ppl_Uint32_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Uint32_Box_bounded_affine_preimage (ppl_Uint32_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Uint32_Box_generalized_affine_image (ppl_Uint32_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Uint32_Box_generalized_affine_preimage (ppl_Uint32_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Uint32_Box_generalized_affine_image_lhs_rhs (ppl_Uint32_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Uint32_Box_generalized_affine_preimage_lhs_rhs (ppl_Uint32_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Uint32_Box_add_space_dimensions_and_embed (ppl_Uint32_Box_t ph, ppl_dimension_type d)
- int ppl_Uint32_Box_add_space_dimensions_and_project (ppl_Uint32_Box_t ph, ppl_dimension_type d)
- int ppl_Uint32_Box_remove_space_dimensions (ppl_Uint32_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Uint32_Box_remove_higher_space_dimensions (ppl_Uint32_Box_t ph, ppl_dimension_type d)
- int ppl_Uint32_Box_expand_space_dimension (ppl_Uint32_Box_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Uint32_Box_fold_space_dimensions (ppl_Uint32_Box_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Uint32_Box_map_space_dimensions (ppl_Uint32_Box_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Uint32_Box_drop_some_non_integer_points (ppl_Uint32_Box_t ph, int complexity)
- int ppl_Uint32_Box_drop_some_non_integer_points_2 (ppl_Uint32_Box_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Uint32_Box_external_memory_in_bytes (ppl_const_Uint32_Box_t ps, size_t *sz)
- int ppl_Uint32_Box_total_memory_in_bytes (ppl_const_Uint32_Box_t ps, size_t *sz)
- int ppl_Uint32_Box_CC76_widening_assign_with_tokens (ppl_Uint32_Box_t x, ppl_const_Uint32_Box_t y, unsigned *tp)
- int ppl_Uint32_Box_CC76_widening_assign (ppl_Uint32_Box_t x, ppl_const_Uint32_Box_t y)
- int ppl_Uint32_Box_widening_assign_with_tokens (ppl_Uint32_Box_t x, ppl_const_Uint32_Box_t y, unsigned *tp)
- int ppl_Uint32_Box_widening_assign (ppl_Uint32_Box_t x, ppl_const_Uint32_Box_t y)
- int ppl_Uint32_Box_limited_CC76_extrapolation_assign_with_tokens (ppl_Uint32_Box_t x, ppl_const_Uint32_Box_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_Uint32_Box_limited_CC76_extrapolation_assign (ppl_Uint32_Box_t x, ppl_const_Uint32_Box_t y, ppl_const_Constraint_System_t cs)
- int ppl_Uint32_Box_linear_partition (ppl_const_Uint32_Box_t x, ppl_const_Uint32_Box_t y, ppl_Uint32_Box_t *p_inters, ppl_Pointset_Powerset_NNC_Polyhedron_t *p_rest)
- int ppl_Uint32_Box_wrap_assign (ppl_Uint32_Box_t ph, ppl_dimension_type ds[ ], size_t n, enum ppl_enum_Bounded_Integer_Type_Width w, enum ppl_enum_Bounded_Integer_Type_Representation r, enum ppl_enum_Bounded_Integer_Type_Overflow o, const ppl_const_Constraint_System_t *pcs, unsigned complexity_threshold, int wrap_individually)
- int ppl_new_Uint32_Box_recycle_Constraint_System (ppl_Uint32_Box_t *pph, ppl_Constraint_System_t cs)

- int ppl_new_Uint32_Box_recycle_Congruence_System (ppl_Uint32_Box_t *pph, ppl_Congruence_System_t cs)
- int ppl_new_Uint32_Box_recycle_Generator_System (ppl_Uint32_Box_t *pph, ppl_Generator_System_t cs)
- int ppl_assign_Uint32_Box_from_Uint32_Box (ppl_Uint32_Box_t dst, ppl_const_Uint32_Box_t src)
- int ppl_Uint32_Box_add_recycled_constraints (ppl_Uint32_Box_t ph, ppl_Constraint_System_t cs)
- int ppl_Uint32_Box_add_recycled_congruences (ppl_Uint32_Box_t ph, ppl_Congruence_System_t cs)
- int ppl_termination_test_MS_Uint32_Box (ppl_const_Uint32_Box_t pset)
- int ppl_termination_test_PR_Uint32_Box (ppl_const_Uint32_Box_t pset)
- int ppl_one_affine_ranking_function_MS_Uint32_Box (ppl_const_Uint32_Box_t pset, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Uint32_Box (ppl_const_Uint32_Box_t pset, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Uint32_Box (ppl_const_Uint32_Box_t pset, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Uint32_Box (ppl_const_Uint32_Box_t pset, ppl_Polyhedron_t ph)
- int ppl_termination_test_MS_Uint32_Box_2 (ppl_const_Uint32_Box_t pset_before, ppl_const_Uint32_Box_t pset_after)
- int ppl_termination_test_PR_Uint32_Box_2 (ppl_const_Uint32_Box_t pset_before, ppl_const_Uint32_Box_t pset_after)
- int ppl_one_affine_ranking_function_MS_Uint32_Box_2 (ppl_const_Uint32_Box_t pset_before, ppl_const_Uint32_Box_t pset_after, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Uint32_Box_2 (ppl_const_Uint32_Box_t pset_before, ppl_const_Uint32_Box_t pset_after, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Uint32_Box_2 (ppl_const_Uint32_Box_t pset_before, ppl_const_Uint32_Box_t pset_after, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Uint32_Box_2 (ppl_const_Uint32_Box_t pset_before, ppl_const_Uint32_Box_t pset_after, ppl_Polyhedron_t ph)
- int ppl_io_print_Uint32_Box (ppl_const_Uint32_Box_t x)
- int ppl_io_fprint_Uint32_Box (FILE *stream, ppl_const_Uint32_Box_t x)
- int ppl_io_asprint_Uint32_Box (char **strp, ppl_const_Uint32_Box_t x)
- int ppl_Uint32_Box_ascii_dump (ppl_const_Uint32_Box_t x, FILE *stream)
- int ppl_Uint32_Box_ascii_load (ppl_Uint32_Box_t x, FILE *stream)

7.157.1 Detailed Description

Types and functions for ppl_Uint32_Box_tag.

7.157.2 Friends And Related Function Documentation

7.157.2.1 int ppl_delete_Uint32_Box (ppl_const_Uint32_Box_t *ph*) [related]

7.157.2.2 int ppl_new_Uint32_Box_from_space_dimension (ppl_Uint32_Box_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.157.2.3 int ppl_new_Uint32_Box_from_Int8_Box (ppl_Uint32_Box_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.157.2.4 int ppl_new_Uint32_Box_from_Int16_Box (ppl_Uint32_Box_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.157.2.5 int ppl_new_Uint32_Box_from_Int32_Box (ppl_Uint32_Box_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.157.2.6 int ppl_new_Uint32_Box_from_Int64_Box (ppl_Uint32_Box_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.157.2.7 int ppl_new_Uint32_Box_from_Uint8_Box (ppl_Uint32_Box_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.157.2.8 int ppl_new_Uint32_Box_from_Uint16_Box (ppl_Uint32_Box_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.157.2.9 int ppl_new_Uint32_Box_from_Uint32_Box (ppl_Uint32_Box_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.157.2.10 int ppl_new_Uint32_Box_from_Uint64_Box (ppl_Uint32_Box_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.157.2.11 int ppl_new_Uint32_Box_from_Z_Box (ppl_Uint32_Box_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.157.2.12 int ppl_new_Uint32_Box_from_Rational_Box (ppl_Uint32_Box_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.157.2.13 int ppl_new_Uint32_Box_from_BD_Shape_int8_t (ppl_Uint32_Box_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.157.2.14 int ppl_new_Uint32_Box_from_BD_Shape_int16_t (ppl_Uint32_Box_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.157.2.15 int ppl_new_Uint32_Box_from_BD_Shape_int32_t (ppl_Uint32_Box_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.157.2.16 int ppl_new_Uint32_Box_from_BD_Shape_int64_t (ppl_Uint32_Box_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.157.2.17 int ppl_new_Uint32_Box_from_BD_Shape_mpz_class (ppl_Uint32_Box_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.157.2.18 int ppl_new_Uint32_Box_from_BD_Shape_mpq_class (ppl_Uint32_Box_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.157.2.19 int ppl_new_Uint32_Box_from_Octagonal_Shape_int8_t (ppl_Uint32_Box_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.157.2.20 int ppl_new_Uint32_Box_from_Octagonal_Shape_int16_t (ppl_Uint32_Box_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.157.2.21 int ppl_new_Uint32_Box_from_Octagonal_Shape_int32_t (ppl_Uint32_Box_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.157.2.22 int ppl_new_Uint32_Box_from_Octagonal_Shape_int64_t (ppl_Uint32_Box_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.157.2.23 int ppl_new_Uint32_Box_from_Octagonal_Shape_mpz_class (ppl_Uint32_Box_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.157.2.24 int ppl_new_Uint32_Box_from_Octagonal_Shape_mpq_class (ppl_Uint32_Box_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.157.2.25 int ppl_new_Uint32_Box_from_C_Polyhedron (ppl_Uint32_Box_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.157.2.26 int ppl_new_Uint32_Box_from_NNC_Polyhedron (ppl_Uint32_Box_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.157.2.27 int ppl_new_Uint32_Box_from_Grid (ppl_Uint32_Box_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.157.2.28 int ppl_new_Uint32_Box_from_Float_Box (ppl_Uint32_Box_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.157.2.29 int ppl_new_Uint32_Box_from_BD_Shape_float (ppl_Uint32_Box_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.157.2.30 int ppl_new_Uint32_Box_from_Octagonal_Shape_float (ppl_Uint32_Box_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.157.2.31 int ppl_new_Uint32_Box_from_Double_Box (ppl_Uint32_Box_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.157.2.32 int ppl_new_Uint32_Box_from_BD_Shape_double (ppl_Uint32_Box_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.157.2.33 int ppl_new_Uint32_Box_from_Octagonal_Shape_double (ppl_Uint32_Box_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.157.2.34 int ppl_new_Uint32_Box_from_Long_Double_Box (ppl_Uint32_Box_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.157.2.35 int ppl_new_Uint32_Box_from_BD_Shape_long_double (ppl_Uint32_Box_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.157.2.36 int ppl_new_Uint32_Box_from_Octagonal_Shape_long_double (ppl_Uint32_Box_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.157.2.37 int ppl_new_Uint32_Box_from_Int8_Box_with_complexity (ppl_Uint32_Box_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.157.2.38 int ppl_new_Uint32_Box_from_Int16_Box_with_complexity (ppl_Uint32_Box_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.157.2.39 int ppl_new_Uint32_Box_from_Int32_Box_with_complexity (ppl_Uint32_Box_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.157.2.40 int ppl_new_Uint32_Box_from_Int64_Box_with_complexity (ppl_Uint32_Box_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.157.2.41 int ppl_new_Uint32_Box_from_Uint8_Box_with_complexity (ppl_Uint32_Box_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.157.2.42 int ppl_new_Uint32_Box_from_Uint16_Box_with_complexity (ppl_Uint32_Box_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.157.2.43 int ppl_new_Uint32_Box_from_Uint32_Box_with_complexity (ppl_Uint32_Box_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.157.2.44 int ppl_new_Uint32_Box_from_Uint64_Box_with_complexity (ppl_Uint32_Box_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.157.2.45 int ppl_new_Uint32_Box_from_Z_Box_with_complexity (ppl_Uint32_Box_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.157.2.46 int ppl_new_Uint32_Box_from_Rational_Box_with_complexity (ppl_Uint32_Box_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.157.2.47 int ppl_new_Uint32_Box_from_BD_Shape_int8_t_with_complexity (ppl_Uint32_Box_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.157.2.48 int ppl_new_Uint32_Box_from_BD_Shape_int16_t_with_complexity (ppl_Uint32_Box_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.157.2.49 int ppl_new_Uint32_Box_from_BD_Shape_int32_t_with_complexity (ppl_Uint32_Box_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.157.2.50 int ppl_new_Uint32_Box_from_BD_Shape_int64_t_with_complexity (ppl_Uint32_Box_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.157.2.51 int ppl_new_Uint32_Box_from_BD_Shape_mpz_class_with_complexity (ppl_Uint32_Box_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.157.2.52 int ppl_new_Uint32_Box_from_BD_Shape_mpq_class_with_complexity (ppl_Uint32_Box_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.157.2.53 int ppl_new_Uint32_Box_from_Octagonal_Shape_int8_t_with_complexity (ppl_Uint32_Box_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.157.2.54 int ppl_new_Uint32_Box_from_Octagonal_Shape_int16_t_with_complexity (ppl_Uint32_Box_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.157.2.55 int ppl_new_Uint32_Box_from_Octagonal_Shape_int32_t_with_complexity (ppl_Uint32_Box_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.157.2.56 int ppl_new_Uint32_Box_from_Octagonal_Shape_int64_t_with_complexity (ppl_Uint32_Box_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.157.2.57 int ppl_new_Uint32_Box_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Uint32_Box_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.157.2.58 int ppl_new_Uint32_Box_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Uint32_Box_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.157.2.59 int ppl_new_Uint32_Box_from_C_Polyhedron_with_complexity (ppl_Uint32_Box_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.157.2.60 int ppl_new_Uint32_Box_from_NNC_Polyhedron_with_complexity (ppl_Uint32_Box_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.157.2.61 int ppl_new_Uint32_Box_from_Grid_with_complexity (ppl_Uint32_Box_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.157.2.62 int ppl_new_Uint32_Box_from_Float_Box_with_complexity (ppl_Uint32_Box_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.157.2.63 int ppl_new_Uint32_Box_from_BD_Shape_float_with_complexity (ppl_Uint32_Box_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.157.2.64 int ppl_new_Uint32_Box_from_Octagonal_Shape_float_with_complexity (ppl_Uint32_Box_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.157.2.65 int ppl_new_Uint32_Box_from_Double_Box_with_complexity (ppl_Uint32_Box_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.157.2.66 int ppl_new_Uint32_Box_from_BD_Shape_double_with_complexity (ppl_Uint32_Box_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.157.2.67 int ppl_new_Uint32_Box_from_Octagonal_Shape_double_with_complexity (ppl_Uint32_Box_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.157.2.68 int ppl_new_Uint32_Box_from_Long_Double_Box_with_complexity (ppl_Uint32_Box_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.157.2.69 int ppl_new_Uint32_Box_from_BD_Shape_long_double_with_complexity (ppl_Uint32_Box_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.157.2.70 int ppl_new_Uint32_Box_from_Octagonal_Shape_long_double_with_complexity (ppl_Uint32_Box_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.157.2.71 int ppl_new_Uint32_Box_from_Constraint_System (ppl_Uint32_Box_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.157.2.72 int ppl_new_Uint32_Box_from_Congruence_System (ppl_Uint32_Box_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.157.2.73 int ppl_new_Uint32_Box_from_Generator_System (ppl_Uint32_Box_t * *pph*, ppl_const_Generator_System_t *cs*) [related]

7.157.2.74 int ppl_Uint32_Box_space_dimension (ppl_const_Uint32_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.157.2.75 int ppl_Uint32_Box_affine_dimension (ppl_const_Uint32_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.157.2.76 int ppl_Uint32_Box_relation_with_Constraint (ppl_const_Uint32_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.157.2.77 int ppl_Uint32_Box_relation_with_Generator (ppl_const_Uint32_Box_t *ph*, ppl_const_Generator_t *c*) [related]

7.157.2.78 int ppl_Uint32_Box_relation_with_Congruence (ppl_const_Uint32_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.157.2.79 int ppl_Uint32_Box_get_constraints (ppl_const_Uint32_Box_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.157.2.80 int ppl_Uint32_Box_get_congruences (ppl_const_Uint32_Box_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.157.2.81 int ppl_Uint32_Box_get_minimized_constraints (ppl_const_Uint32_Box_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.157.2.82 int ppl_Uint32_Box_get_minimized_congruences (ppl_const_Uint32_Box_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.157.2.83 int ppl_Uint32_Box_is_empty (ppl_const_Uint32_Box_t *ph*) [related]

7.157.2.84 int ppl_Uint32_Box_is_universe (ppl_const_Uint32_Box_t *ph*) [related]

7.157.2.85 int ppl_Uint32_Box_is_bounded (ppl_const_Uint32_Box_t *ph*) [related]

7.157.2.86 int ppl_Uint32_Box_contains_integer_point (ppl_const_Uint32_Box_t *ph*) [related]

7.157.2.87 int ppl_Uint32_Box_is_topologically_closed (ppl_const_Uint32_Box_t *ph*) [related]

7.157.2.88 int ppl_Uint32_Box_is_discrete (ppl_const_Uint32_Box_t *ph*) [related]

7.157.2.89 int ppl_Uint32_Box_topological_closure_assign (ppl_Uint32_Box_t *ph*) [related]

7.157.2.90 int ppl_Uint32_Box_bounds_from_above (ppl_const_Uint32_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.157.2.91 int ppl_Uint32_Box_bounds_from_below (ppl_const_Uint32_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.157.2.92 int ppl_Uint32_Box_maximize (ppl_const_Uint32_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.157.2.93 int ppl_Uint32_Box_minimize (ppl_const_Uint32_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.157.2.94 int ppl_Uint32_Box_maximize_with_point (ppl_const_Uint32_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.157.2.95 int ppl_Uint32_Box_minimize_with_point (ppl_const_Uint32_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.157.2.96 int ppl_Uint32_Box_frequency (ppl_const_Uint32_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_fn*, ppl_Coefficient_t *ext_fd*, ppl_Coefficient_t *ext_vn*, ppl_Coefficient_t *ext_vd*) [related]

7.157.2.97 int ppl_Uint32_Box_contains_Uint32_Box (ppl_const_Uint32_Box_t *x*, ppl_const_Uint32_Box_t *y*) [related]

7.157.2.98 int ppl_Uint32_Box_strictly_contains_Uint32_Box (ppl_const_Uint32_Box_t *x*, ppl_const_Uint32_Box_t *y*) [related]

7.157.2.99 int ppl_Uint32_Box_is_disjoint_from_Uint32_Box (ppl_const_Uint32_Box_t *x*, ppl_const_Uint32_Box_t *y*) [related]

7.157.2.100 int ppl_Uint32_Box_equals_Uint32_Box (ppl_const_Uint32_Box_t *x*, ppl_const_Uint32_Box_t *y*) [related]

7.157.2.101 int ppl_Uint32_Box_OK (ppl_const_Uint32_Box_t *ph*) [related]

7.157.2.102 int ppl_Uint32_Box_add_constraint (ppl_Uint32_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.157.2.103 int ppl_Uint32_Box_add_congruence (ppl_Uint32_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.157.2.104 int ppl_Uint32_Box_add_constraints (ppl_Uint32_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.157.2.105 int ppl_Uint32_Box_add_congruences (ppl_Uint32_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.157.2.106 int ppl_Uint32_Box_refine_with_constraint (ppl_Uint32_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.157.2.107 int ppl_Uint32_Box_refine_with_congruence (ppl_Uint32_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.157.2.108 int ppl_Uint32_Box_refine_with_constraints (ppl_Uint32_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.157.2.109 int ppl_Uint32_Box_refine_with_congruences (ppl_Uint32_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.157.2.110 int ppl_Uint32_Box_intersection_assign (ppl_Uint32_Box_t *x*, ppl_const_Uint32_Box_t *y*) [related]

7.157.2.111 int ppl_Uint32_Box_upper_bound_assign (ppl_Uint32_Box_t *x*, ppl_const_Uint32_Box_t *y*) [related]

7.157.2.112 int ppl_Uint32_Box_difference_assign (ppl_Uint32_Box_t *x*, ppl_const_Uint32_Box_t *y*) [related]

7.157.2.113 int ppl_Uint32_Box_concatenate_assign (ppl_Uint32_Box_t *x*, ppl_const_Uint32_Box_t *y*) [related]

7.157.2.114 int ppl_Uint32_Box_time_elapse_assign (ppl_Uint32_Box_t *x*, ppl_const_Uint32_Box_t *y*) [related]

7.157.2.115 int ppl_Uint32_Box_upper_bound_assign_if_exact (ppl_Uint32_Box_t *x*, ppl_const_Uint32_Box_t *y*) [related]

7.157.2.116 int ppl_Uint32_Box_simplify_using_context_assign (ppl_Uint32_Box_t *x*, ppl_const_Uint32_Box_t *y*) [related]

7.157.2.117 int ppl_Uint32_Box_constrains (ppl_Uint32_Box_t *ph*, ppl_dimension_type *var*) [related]

7.157.2.118 int ppl_Uint32_Box_unconstrain_space_dimension (ppl_Uint32_Box_t *ph*, ppl_dimension_type *var*) [related]

7.157.2.119 int ppl_Uint32_Box_unconstrain_space_dimensions (ppl_Uint32_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.157.2.120 int ppl_Uint32_Box_affine_image (ppl_Uint32_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.157.2.121 int ppl_Uint32_Box_affine_preimage (ppl_Uint32_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.157.2.122 int ppl_Uint32_Box_bounded_affine_image (ppl_Uint32_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.157.2.123 int ppl_Uint32_Box_bounded_affine_preimage (ppl_Uint32_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.157.2.124 int ppl_Uint32_Box_generalized_affine_image (ppl_Uint32_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.157.2.125 int ppl_Uint32_Box_generalized_affine_preimage (ppl_Uint32_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.157.2.126 int ppl_Uint32_Box_generalized_affine_image_lhs_rhs (ppl_Uint32_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.157.2.127 int ppl_Uint32_Box_generalized_affine_preimage_lhs_rhs (ppl_Uint32_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.157.2.128 int ppl_Uint32_Box_add_space_dimensions_and_embed (ppl_Uint32_Box_t *ph*, ppl_dimension_type *d*) [related]

7.157.2.129 int ppl_Uint32_Box_add_space_dimensions_and_project (ppl_Uint32_Box_t *ph*, ppl_dimension_type *d*) [related]

7.157.2.130 int ppl_Uint32_Box_remove_space_dimensions (ppl_Uint32_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.157.2.131 int ppl_Uint32_Box_remove_higher_space_dimensions (ppl_Uint32_Box_t *ph*, ppl_dimension_type *d*) [related]

7.157.2.132 int ppl_Uint32_Box_expand_space_dimension (ppl_Uint32_Box_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.157.2.133 int ppl_Uint32_Box_fold_space_dimensions (ppl_Uint32_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.157.2.134 int ppl_Uint32_Box_map_space_dimensions (ppl_Uint32_Box_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.157.2.135 int ppl_Uint32_Box_drop_some_non_integer_points (ppl_Uint32_Box_t *ph*, int *complexity*) [related]

7.157.2.136 int ppl_Uint32_Box_drop_some_non_integer_points_2 (ppl_Uint32_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.157.2.137 int ppl_Uint32_Box_external_memory_in_bytes (ppl_const_Uint32_Box_t *ps*, size_t * *sz*) [related]

7.157.2.138 int ppl_Uint32_Box_total_memory_in_bytes (ppl_const_Uint32_Box_t *ps*, size_t * *sz*) [related]

7.157.2.139 int ppl_Uint32_Box_CC76_widening_assign_with_tokens (ppl_Uint32_Box_t *x*, ppl_const_Uint32_Box_t *y*, unsigned * *tp*) [related]

7.157.2.140 int ppl_Uint32_Box_CC76_widening_assign (ppl_Uint32_Box_t *x*, ppl_const_Uint32_Box_t *y*) [related]

7.157.2.141 int ppl_Uint32_Box_widening_assign_with_tokens (ppl_Uint32_Box_t *x*, ppl_const_Uint32_Box_t *y*, unsigned * *tp*) [related]

7.157.2.142 int ppl_Uint32_Box_widening_assign (ppl_Uint32_Box_t *x*, ppl_const_Uint32_Box_t *y*) [related]

7.157.2.143 int ppl_Uint32_Box_limited_CC76_extrapolation_assign_with_tokens (ppl_Uint32_Box_t *x*, ppl_const_Uint32_Box_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.157.2.144 int ppl_Uint32_Box_limited_CC76_extrapolation_assign (ppl_Uint32_Box_t *x*, ppl_const_Uint32_Box_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.157.2.145 int ppl_Uint32_Box_linear_partition (ppl_const_Uint32_Box_t *x*, ppl_const_Uint32_Box_t *y*, ppl_Uint32_Box_t * *p_inters*, ppl_Pointset_Powerset_NNC_Polyhedron_t * *p_rest*) [related]

7.157.2.146 int ppl_Uint32_Box_wrap_assign (ppl_Uint32_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, enum ppl_enum_Bounded_Integer_Type_Width *w*, enum ppl_enum_Bounded_Integer_Type_Representation *r*, enum ppl_enum_Bounded_Integer_Type_Overflow *o*, const ppl_const_Constraint_System_t * *pcs*, unsigned *complexity_threshold*, int *wrap_individually*) [related]

7.157.2.147 int ppl_new_Uint32_Box_recycle_Constraint_System (ppl_Uint32_Box_t * *pph*, ppl_Constraint_System_t *cs*) [related]

7.157.2.148 int ppl_new_Uint32_Box_recycle_Congruence_System (ppl_Uint32_Box_t * *pph*, ppl_Congruence_System_t *cs*) [related]

7.157.2.149 int ppl_new_Uint32_Box_recycle_Generator_System (ppl_Uint32_Box_t * *pph*, ppl_Generator_System_t *cs*) [related]

7.157.2.150 int ppl_assign_Uint32_Box_from_Uint32_Box (ppl_Uint32_Box_t *dst*, ppl_const_Uint32_Box_t *src*) [related]

7.157.2.151 int ppl_Uint32_Box_add_recycled_constraints (ppl_Uint32_Box_t *ph*, ppl_Constraint_System_t *cs*) [related]

7.157.2.152 int ppl_Uint32_Box_add_recycled_congruences (ppl_Uint32_Box_t *ph*, ppl_Congruence_System_t *cs*) [related]

7.157.2.153 int ppl_termination_test_MS_Uint32_Box (ppl_const_Uint32_Box_t *pset*) [related]

7.157.2.154 int ppl_termination_test_PR_Uint32_Box (ppl_const_Uint32_Box_t *pset*) [related]

7.157.2.155 int ppl_one_affine_ranking_function_MS_Uint32_Box (ppl_const_Uint32_Box_t *pset*, ppl_Generator_t *point*) [related]

7.157.2.156 int ppl_one_affine_ranking_function_PR_Uint32_Box (ppl_const_Uint32_Box_t *pset*, ppl_Generator_t *point*) [related]

7.157.2.157 int ppl_all_affine_ranking_functions_MS_Uint32_Box (ppl_const_Uint32_Box_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.157.2.158 int ppl_all_affine_ranking_functions_PR_Uint32_Box (ppl_const_Uint32_Box_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.157.2.159 int ppl_termination_test_MS_Uint32_Box_2 (ppl_const_Uint32_Box_t *pset_before*, ppl_const_Uint32_Box_t *pset_after*) [related]

7.157.2.160 int ppl_termination_test_PR_Uint32_Box_2 (ppl_const_Uint32_Box_t *pset_before*, ppl_const_Uint32_Box_t *pset_after*) [related]

7.157.2.161 int ppl_one_affine_ranking_function_MS_Uint32_Box_2 (ppl_const_Uint32_Box_t *pset_before*, ppl_const_Uint32_Box_t *pset_after*, ppl_Generator_t *point*) [related]

7.157.2.162 int ppl_one_affine_ranking_function_PR_Uint32_Box_2 (ppl_const_Uint32_Box_t *pset_before*, ppl_const_Uint32_Box_t *pset_after*, ppl_Generator_t *point*) [related]

7.157.2.163 int ppl_all_affine_ranking_functions_MS_Uint32_Box_2 (ppl_const_Uint32_Box_t *pset_before*, ppl_const_Uint32_Box_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.157.2.164 int ppl_all_affine_ranking_functions_PR_Uint32_Box_2 (ppl_const_Uint32_Box_t *pset_before*, ppl_const_Uint32_Box_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.157.2.165 int ppl_io_print_Uint32_Box (ppl_const_Uint32_Box_t *x*) [related]

7.157.2.166 int ppl_io_fprint_Uint32_Box (FILE * *stream*, ppl_const_Uint32_Box_t *x*) [related]

7.157.2.167 int ppl_io_asprint_Uint32_Box (char ** *strp*, ppl_const_Uint32_Box_t *x*) [related]

7.157.2.168 int ppl_Uint32_Box_ascii_dump (ppl_const_Uint32_Box_t *x*, FILE * *stream*) [related]

7.157.2.169 int ppl_Uint32_Box_ascii_load (ppl_Uint32_Box_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.158 ppl_Uint64_Box_tag Interface Reference

Types and functions for ppl_Uint64_Box_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Uint64_Box (ppl_const_Uint64_Box_t ph)

- int ppl_new_Uint64_Box_from_space_dimension (ppl_Uint64_Box_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Uint64_Box_from_Int8_Box (ppl_Uint64_Box_t *pph, ppl_const_Int8_Box_t ph)
- int ppl_new_Uint64_Box_from_Int16_Box (ppl_Uint64_Box_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_Uint64_Box_from_Int32_Box (ppl_Uint64_Box_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_Uint64_Box_from_Int64_Box (ppl_Uint64_Box_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_Uint64_Box_from_Uint8_Box (ppl_Uint64_Box_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_Uint64_Box_from_Uint16_Box (ppl_Uint64_Box_t *pph, ppl_const_Uint16_Box_t ph)
- int ppl_new_Uint64_Box_from_Uint32_Box (ppl_Uint64_Box_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_Uint64_Box_from_Uint64_Box (ppl_Uint64_Box_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_Uint64_Box_from_Z_Box (ppl_Uint64_Box_t *pph, ppl_const_Z_Box_t ph)
- int ppl_new_Uint64_Box_from_Rational_Box (ppl_Uint64_Box_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_Uint64_Box_from_BD_Shape_int8_t (ppl_Uint64_Box_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_Uint64_Box_from_BD_Shape_int16_t (ppl_Uint64_Box_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_Uint64_Box_from_BD_Shape_int32_t (ppl_Uint64_Box_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_Uint64_Box_from_BD_Shape_int64_t (ppl_Uint64_Box_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_Uint64_Box_from_BD_Shape_mpz_class (ppl_Uint64_Box_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_Uint64_Box_from_BD_Shape_mpq_class (ppl_Uint64_Box_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_Uint64_Box_from_Octagonal_Shape_int8_t (ppl_Uint64_Box_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_Uint64_Box_from_Octagonal_Shape_int16_t (ppl_Uint64_Box_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_Uint64_Box_from_Octagonal_Shape_int32_t (ppl_Uint64_Box_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_Uint64_Box_from_Octagonal_Shape_int64_t (ppl_Uint64_Box_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_Uint64_Box_from_Octagonal_Shape_mpz_class (ppl_Uint64_Box_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_Uint64_Box_from_Octagonal_Shape_mpq_class (ppl_Uint64_Box_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_Uint64_Box_from_C_Polyhedron (ppl_Uint64_Box_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Uint64_Box_from_NNC_Polyhedron (ppl_Uint64_Box_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Uint64_Box_from_Grid (ppl_Uint64_Box_t *pph, ppl_const_Grid_t ph)
- int ppl_new_Uint64_Box_from_Float_Box (ppl_Uint64_Box_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_Uint64_Box_from_BD_Shape_float (ppl_Uint64_Box_t *pph, ppl_const_BD_Shape_float_t ph)
- int ppl_new_Uint64_Box_from_Octagonal_Shape_float (ppl_Uint64_Box_t *pph, ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_Uint64_Box_from_Double_Box (ppl_Uint64_Box_t *pph, ppl_const_Double_Box_t ph)

- int ppl_new_Uint64_Box_from_BD_Shape_double (ppl_Uint64_Box_t *pph, ppl_const_BD_Shape_double_t ph)
- int ppl_new_Uint64_Box_from_Octagonal_Shape_double (ppl_Uint64_Box_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_Uint64_Box_from_Long_Double_Box (ppl_Uint64_Box_t *pph, ppl_const_Long_Double_Box_t ph)
- int ppl_new_Uint64_Box_from_BD_Shape_long_double (ppl_Uint64_Box_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_Uint64_Box_from_Octagonal_Shape_long_double (ppl_Uint64_Box_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_Uint64_Box_from_Int8_Box_with_complexity (ppl_Uint64_Box_t *pph, ppl_const_Int8_Box_t ph, int complexity)
- int ppl_new_Uint64_Box_from_Int16_Box_with_complexity (ppl_Uint64_Box_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_Uint64_Box_from_Int32_Box_with_complexity (ppl_Uint64_Box_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_Uint64_Box_from_Int64_Box_with_complexity (ppl_Uint64_Box_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_Uint64_Box_from_Uint8_Box_with_complexity (ppl_Uint64_Box_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_Uint64_Box_from_Uint16_Box_with_complexity (ppl_Uint64_Box_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_Uint64_Box_from_Uint32_Box_with_complexity (ppl_Uint64_Box_t *pph, ppl_const_Uint32_Box_t ph, int complexity)
- int ppl_new_Uint64_Box_from_Uint64_Box_with_complexity (ppl_Uint64_Box_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_Uint64_Box_from_Z_Box_with_complexity (ppl_Uint64_Box_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_Uint64_Box_from_Rational_Box_with_complexity (ppl_Uint64_Box_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_Uint64_Box_from_BD_Shape_int8_t_with_complexity (ppl_Uint64_Box_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)
- int ppl_new_Uint64_Box_from_BD_Shape_int16_t_with_complexity (ppl_Uint64_Box_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_Uint64_Box_from_BD_Shape_int32_t_with_complexity (ppl_Uint64_Box_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_Uint64_Box_from_BD_Shape_int64_t_with_complexity (ppl_Uint64_Box_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_Uint64_Box_from_BD_Shape_mpz_class_with_complexity (ppl_Uint64_Box_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Uint64_Box_from_BD_Shape_mpq_class_with_complexity (ppl_Uint64_Box_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Uint64_Box_from_Octagonal_Shape_int8_t_with_complexity (ppl_Uint64_Box_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_Uint64_Box_from_Octagonal_Shape_int16_t_with_complexity (ppl_Uint64_Box_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_Uint64_Box_from_Octagonal_Shape_int32_t_with_complexity (ppl_Uint64_Box_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_Uint64_Box_from_Octagonal_Shape_int64_t_with_complexity (ppl_Uint64_Box_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_new_Uint64_Box_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Uint64_Box_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)

- int ppl_new_Uint64_Box_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Uint64_Box_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Uint64_Box_from_C_Polyhedron_with_complexity (ppl_Uint64_Box_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Uint64_Box_from_NNC_Polyhedron_with_complexity (ppl_Uint64_Box_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Uint64_Box_from_Grid_with_complexity (ppl_Uint64_Box_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_Uint64_Box_from_Float_Box_with_complexity (ppl_Uint64_Box_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_Uint64_Box_from_BD_Shape_float_with_complexity (ppl_Uint64_Box_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)
- int ppl_new_Uint64_Box_from_Octagonal_Shape_float_with_complexity (ppl_Uint64_Box_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_Uint64_Box_from_Double_Box_with_complexity (ppl_Uint64_Box_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_Uint64_Box_from_BD_Shape_double_with_complexity (ppl_Uint64_Box_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_Uint64_Box_from_Octagonal_Shape_double_with_complexity (ppl_Uint64_Box_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_Uint64_Box_from_Long_Double_Box_with_complexity (ppl_Uint64_Box_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_Uint64_Box_from_BD_Shape_long_double_with_complexity (ppl_Uint64_Box_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_Uint64_Box_from_Octagonal_Shape_long_double_with_complexity (ppl_Uint64_Box_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_Uint64_Box_from_Constraint_System (ppl_Uint64_Box_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Uint64_Box_from_Congruence_System (ppl_Uint64_Box_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_new_Uint64_Box_from_Generator_System (ppl_Uint64_Box_t *pph, ppl_const_Generator_System_t cs)
- int ppl_Uint64_Box_space_dimension (ppl_const_Uint64_Box_t ph, ppl_dimension_type *m)
- int ppl_Uint64_Box_affine_dimension (ppl_const_Uint64_Box_t ph, ppl_dimension_type *m)
- int ppl_Uint64_Box_relation_with_Constraint (ppl_const_Uint64_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Uint64_Box_relation_with_Generator (ppl_const_Uint64_Box_t ph, ppl_const_Generator_t c)
- int ppl_Uint64_Box_relation_with_Congruence (ppl_const_Uint64_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Uint64_Box_get_constraints (ppl_const_Uint64_Box_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Uint64_Box_get_congruences (ppl_const_Uint64_Box_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Uint64_Box_get_minimized_constraints (ppl_const_Uint64_Box_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Uint64_Box_get_minimized_congruences (ppl_const_Uint64_Box_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Uint64_Box_is_empty (ppl_const_Uint64_Box_t ph)
- int ppl_Uint64_Box_is_universe (ppl_const_Uint64_Box_t ph)
- int ppl_Uint64_Box_is_bounded (ppl_const_Uint64_Box_t ph)
- int ppl_Uint64_Box_contains_integer_point (ppl_const_Uint64_Box_t ph)

- int ppl_Uint64_Box_is_topologically_closed (ppl_const_Uint64_Box_t ph)
- int ppl_Uint64_Box_is_discrete (ppl_const_Uint64_Box_t ph)
- int ppl_Uint64_Box_topological_closure_assign (ppl_Uint64_Box_t ph)
- int ppl_Uint64_Box_bounds_from_above (ppl_const_Uint64_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Uint64_Box_bounds_from_below (ppl_const_Uint64_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Uint64_Box_maximize (ppl_const_Uint64_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Uint64_Box_minimize (ppl_const_Uint64_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Uint64_Box_maximize_with_point (ppl_const_Uint64_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Uint64_Box_minimize_with_point (ppl_const_Uint64_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Uint64_Box_frequency (ppl_const_Uint64_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_fn, ppl_Coefficient_t ext_fd, ppl_Coefficient_t ext_vn, ppl_Coefficient_t ext_vd)
- int ppl_Uint64_Box_contains_Uint64_Box (ppl_const_Uint64_Box_t x, ppl_const_Uint64_Box_t y)
- int ppl_Uint64_Box_strictly_contains_Uint64_Box (ppl_const_Uint64_Box_t x, ppl_const_Uint64_Box_t y)
- int ppl_Uint64_Box_is_disjoint_from_Uint64_Box (ppl_const_Uint64_Box_t x, ppl_const_Uint64_Box_t y)
- int ppl_Uint64_Box_equals_Uint64_Box (ppl_const_Uint64_Box_t x, ppl_const_Uint64_Box_t y)
- int ppl_Uint64_Box_OK (ppl_const_Uint64_Box_t ph)
- int ppl_Uint64_Box_add_constraint (ppl_Uint64_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Uint64_Box_add_congruence (ppl_Uint64_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Uint64_Box_add_constraints (ppl_Uint64_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Uint64_Box_add_congruences (ppl_Uint64_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Uint64_Box_refine_with_constraint (ppl_Uint64_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Uint64_Box_refine_with_congruence (ppl_Uint64_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Uint64_Box_refine_with_constraints (ppl_Uint64_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Uint64_Box_refine_with_congruences (ppl_Uint64_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Uint64_Box_intersection_assign (ppl_Uint64_Box_t x, ppl_const_Uint64_Box_t y)
- int ppl_Uint64_Box_upper_bound_assign (ppl_Uint64_Box_t x, ppl_const_Uint64_Box_t y)
- int ppl_Uint64_Box_difference_assign (ppl_Uint64_Box_t x, ppl_const_Uint64_Box_t y)
- int ppl_Uint64_Box_concatenate_assign (ppl_Uint64_Box_t x, ppl_const_Uint64_Box_t y)
- int ppl_Uint64_Box_time_elapse_assign (ppl_Uint64_Box_t x, ppl_const_Uint64_Box_t y)
- int ppl_Uint64_Box_upper_bound_assign_if_exact (ppl_Uint64_Box_t x, ppl_const_Uint64_Box_t y)
- int ppl_Uint64_Box_simplify_using_context_assign (ppl_Uint64_Box_t x, ppl_const_Uint64_Box_t y)
- int ppl_Uint64_Box_constrains (ppl_Uint64_Box_t ph, ppl_dimension_type var)
- int ppl_Uint64_Box_unconstrain_space_dimension (ppl_Uint64_Box_t ph, ppl_dimension_type var)
- int ppl_Uint64_Box_unconstrain_space_dimensions (ppl_Uint64_Box_t ph, ppl_dimension_type ds[ ], size_t n)

- int ppl_Uint64_Box_affine_image (ppl_Uint64_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Uint64_Box_affine_preimage (ppl_Uint64_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Uint64_Box_bounded_affine_image (ppl_Uint64_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Uint64_Box_bounded_affine_preimage (ppl_Uint64_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Uint64_Box_generalized_affine_image (ppl_Uint64_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Uint64_Box_generalized_affine_preimage (ppl_Uint64_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Uint64_Box_generalized_affine_image_lhs_rhs (ppl_Uint64_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Uint64_Box_generalized_affine_preimage_lhs_rhs (ppl_Uint64_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Uint64_Box_add_space_dimensions_and_embed (ppl_Uint64_Box_t ph, ppl_dimension_type d)
- int ppl_Uint64_Box_add_space_dimensions_and_project (ppl_Uint64_Box_t ph, ppl_dimension_type d)
- int ppl_Uint64_Box_remove_space_dimensions (ppl_Uint64_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Uint64_Box_remove_higher_space_dimensions (ppl_Uint64_Box_t ph, ppl_dimension_type d)
- int ppl_Uint64_Box_expand_space_dimension (ppl_Uint64_Box_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Uint64_Box_fold_space_dimensions (ppl_Uint64_Box_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Uint64_Box_map_space_dimensions (ppl_Uint64_Box_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Uint64_Box_drop_some_non_integer_points (ppl_Uint64_Box_t ph, int complexity)
- int ppl_Uint64_Box_drop_some_non_integer_points_2 (ppl_Uint64_Box_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Uint64_Box_external_memory_in_bytes (ppl_const_Uint64_Box_t ps, size_t *sz)
- int ppl_Uint64_Box_total_memory_in_bytes (ppl_const_Uint64_Box_t ps, size_t *sz)
- int ppl_Uint64_Box_CC76_widening_assign_with_tokens (ppl_Uint64_Box_t x, ppl_const_Uint64_Box_t y, unsigned *tp)
- int ppl_Uint64_Box_CC76_widening_assign (ppl_Uint64_Box_t x, ppl_const_Uint64_Box_t y)
- int ppl_Uint64_Box_widening_assign_with_tokens (ppl_Uint64_Box_t x, ppl_const_Uint64_Box_t y, unsigned *tp)
- int ppl_Uint64_Box_widening_assign (ppl_Uint64_Box_t x, ppl_const_Uint64_Box_t y)
- int ppl_Uint64_Box_limited_CC76_extrapolation_assign_with_tokens (ppl_Uint64_Box_t x, ppl_const_Uint64_Box_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_Uint64_Box_limited_CC76_extrapolation_assign (ppl_Uint64_Box_t x, ppl_const_Uint64_Box_t y, ppl_const_Constraint_System_t cs)
- int ppl_Uint64_Box_linear_partition (ppl_const_Uint64_Box_t x, ppl_const_Uint64_Box_t y, ppl_Uint64_Box_t *p_inters, ppl_Pointset_Powerset_NNC_Polyhedron_t *p_rest)

- int ppl_Uint64_Box_wrap_assign (ppl_Uint64_Box_t ph, ppl_dimension_type ds[ ], size_t n, enum ppl_enum_Bounded_Integer_Type_Width w, enum ppl_enum_Bounded_Integer_Type_Representation r, enum ppl_enum_Bounded_Integer_Type_Overflow o, const ppl_const_Constraint_System_t *pcs, unsigned complexity_threshold, int wrap_individually)
- int ppl_new_Uint64_Box_recycle_Constraint_System (ppl_Uint64_Box_t *pph, ppl_Constraint_System_t cs)
- int ppl_new_Uint64_Box_recycle_Congruence_System (ppl_Uint64_Box_t *pph, ppl_Congruence_System_t cs)
- int ppl_new_Uint64_Box_recycle_Generator_System (ppl_Uint64_Box_t *pph, ppl_Generator_System_t cs)
- int ppl_assign_Uint64_Box_from_Uint64_Box (ppl_Uint64_Box_t dst, ppl_const_Uint64_Box_t src)
- int ppl_Uint64_Box_add_recycled_constraints (ppl_Uint64_Box_t ph, ppl_Constraint_System_t cs)
- int ppl_Uint64_Box_add_recycled_congruences (ppl_Uint64_Box_t ph, ppl_Congruence_System_t cs)
- int ppl_termination_test_MS_Uint64_Box (ppl_const_Uint64_Box_t pset)
- int ppl_termination_test_PR_Uint64_Box (ppl_const_Uint64_Box_t pset)
- int ppl_one_affine_ranking_function_MS_Uint64_Box (ppl_const_Uint64_Box_t pset, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Uint64_Box (ppl_const_Uint64_Box_t pset, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Uint64_Box (ppl_const_Uint64_Box_t pset, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Uint64_Box (ppl_const_Uint64_Box_t pset, ppl_Polyhedron_t ph)
- int ppl_termination_test_MS_Uint64_Box_2 (ppl_const_Uint64_Box_t pset_before, ppl_const_Uint64_Box_t pset_after)
- int ppl_termination_test_PR_Uint64_Box_2 (ppl_const_Uint64_Box_t pset_before, ppl_const_Uint64_Box_t pset_after)
- int ppl_one_affine_ranking_function_MS_Uint64_Box_2 (ppl_const_Uint64_Box_t pset_before, ppl_const_Uint64_Box_t pset_after, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Uint64_Box_2 (ppl_const_Uint64_Box_t pset_before, ppl_const_Uint64_Box_t pset_after, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Uint64_Box_2 (ppl_const_Uint64_Box_t pset_before, ppl_const_Uint64_Box_t pset_after, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Uint64_Box_2 (ppl_const_Uint64_Box_t pset_before, ppl_const_Uint64_Box_t pset_after, ppl_Polyhedron_t ph)
- int ppl_io_print_Uint64_Box (ppl_const_Uint64_Box_t x)
- int ppl_io_fprint_Uint64_Box (FILE *stream, ppl_const_Uint64_Box_t x)
- int ppl_io_asprint_Uint64_Box (char **strp, ppl_const_Uint64_Box_t x)
- int ppl_Uint64_Box_ascii_dump (ppl_const_Uint64_Box_t x, FILE *stream)
- int ppl_Uint64_Box_ascii_load (ppl_Uint64_Box_t x, FILE *stream)

7.158.1 Detailed Description

Types and functions for ppl_Uint64_Box_tag.

7.158.2 Friends And Related Function Documentation

7.158.2.1 int ppl_delete_Uint64_Box (ppl_const_Uint64_Box_t *ph*) [related]

7.158.2.2 int ppl_new_Uint64_Box_from_space_dimension (ppl_Uint64_Box_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.158.2.3 int ppl_new_Uint64_Box_from_Int8_Box (ppl_Uint64_Box_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.158.2.4 int ppl_new_Uint64_Box_from_Int16_Box (ppl_Uint64_Box_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.158.2.5 int ppl_new_Uint64_Box_from_Int32_Box (ppl_Uint64_Box_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.158.2.6 int ppl_new_Uint64_Box_from_Int64_Box (ppl_Uint64_Box_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.158.2.7 int ppl_new_Uint64_Box_from_Uint8_Box (ppl_Uint64_Box_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.158.2.8 int ppl_new_Uint64_Box_from_Uint16_Box (ppl_Uint64_Box_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.158.2.9 int ppl_new_Uint64_Box_from_Uint32_Box (ppl_Uint64_Box_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.158.2.10 int ppl_new_Uint64_Box_from_Uint64_Box (ppl_Uint64_Box_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.158.2.11 int ppl_new_Uint64_Box_from_Z_Box (ppl_Uint64_Box_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.158.2.12 int ppl_new_Uint64_Box_from_Rational_Box (ppl_Uint64_Box_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.158.2.13 int ppl_new_Uint64_Box_from_BD_Shape_int8_t (ppl_Uint64_Box_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.158.2.14 int ppl_new_Uint64_Box_from_BD_Shape_int16_t (ppl_Uint64_Box_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.158.2.15 int ppl_new_Uint64_Box_from_BD_Shape_int32_t (ppl_Uint64_Box_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.158.2.16 int ppl_new_Uint64_Box_from_BD_Shape_int64_t (ppl_Uint64_Box_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.158.2.17 int ppl_new_Uint64_Box_from_BD_Shape_mpz_class (ppl_Uint64_Box_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.158.2.18 int ppl_new_Uint64_Box_from_BD_Shape_mpq_class (ppl_Uint64_Box_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.158.2.19 int ppl_new_Uint64_Box_from_Octagonal_Shape_int8_t (ppl_Uint64_Box_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.158.2.20 int ppl_new_Uint64_Box_from_Octagonal_Shape_int16_t (ppl_Uint64_Box_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.158.2.21 int ppl_new_Uint64_Box_from_Octagonal_Shape_int32_t (ppl_Uint64_Box_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.158.2.22 int ppl_new_Uint64_Box_from_Octagonal_Shape_int64_t (ppl_Uint64_Box_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.158.2.23 int ppl_new_Uint64_Box_from_Octagonal_Shape_mpz_class (ppl_Uint64_Box_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.158.2.24 int ppl_new_Uint64_Box_from_Octagonal_Shape_mpq_class (ppl_Uint64_Box_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.158.2.25 int ppl_new_Uint64_Box_from_C_Polyhedron (ppl_Uint64_Box_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.158.2.26 int ppl_new_Uint64_Box_from_NNC_Polyhedron (ppl_Uint64_Box_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.158.2.27 int ppl_new_Uint64_Box_from_Grid (ppl_Uint64_Box_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.158.2.28 int ppl_new_Uint64_Box_from_Float_Box (ppl_Uint64_Box_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.158.2.29 int ppl_new_Uint64_Box_from_BD_Shape_float (ppl_Uint64_Box_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.158.2.30 int ppl_new_Uint64_Box_from_Octagonal_Shape_float (ppl_Uint64_Box_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.158.2.31 int ppl_new_Uint64_Box_from_Double_Box (ppl_Uint64_Box_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.158.2.32 int ppl_new_Uint64_Box_from_BD_Shape_double (ppl_Uint64_Box_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.158.2.33 int ppl_new_Uint64_Box_from_Octagonal_Shape_double (ppl_Uint64_Box_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.158.2.34 int ppl_new_Uint64_Box_from_Long_Double_Box (ppl_Uint64_Box_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.158.2.35 int ppl_new_Uint64_Box_from_BD_Shape_long_double (ppl_Uint64_Box_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.158.2.36 int ppl_new_Uint64_Box_from_Octagonal_Shape_long_double (ppl_Uint64_Box_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.158.2.37 int ppl_new_Uint64_Box_from_Int8_Box_with_complexity (ppl_Uint64_Box_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.158.2.38 int ppl_new_Uint64_Box_from_Int16_Box_with_complexity (ppl_Uint64_Box_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.158.2.39 int ppl_new_Uint64_Box_from_Int32_Box_with_complexity (ppl_Uint64_Box_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.158.2.40 int ppl_new_Uint64_Box_from_Int64_Box_with_complexity (ppl_Uint64_Box_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.158.2.41 int ppl_new_Uint64_Box_from_Uint8_Box_with_complexity (ppl_Uint64_Box_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.158.2.42 int ppl_new_Uint64_Box_from_Uint16_Box_with_complexity (ppl_Uint64_Box_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.158.2.43 int ppl_new_Uint64_Box_from_Uint32_Box_with_complexity (ppl_Uint64_Box_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.158.2.44 int ppl_new_Uint64_Box_from_Uint64_Box_with_complexity (ppl_Uint64_Box_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.158.2.45 int ppl_new_Uint64_Box_from_Z_Box_with_complexity (ppl_Uint64_Box_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.158.2.46 int ppl_new_Uint64_Box_from_Rational_Box_with_complexity (ppl_Uint64_Box_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.158.2.47 int ppl_new_Uint64_Box_from_BD_Shape_int8_t_with_complexity (ppl_Uint64_Box_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.158.2.48 int ppl_new_Uint64_Box_from_BD_Shape_int16_t_with_complexity (ppl_Uint64_Box_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.158.2.49 int ppl_new_Uint64_Box_from_BD_Shape_int32_t_with_complexity (ppl_Uint64_Box_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.158.2.50 int ppl_new_Uint64_Box_from_BD_Shape_int64_t_with_complexity (ppl_Uint64_Box_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.158.2.51 int ppl_new_Uint64_Box_from_BD_Shape_mpz_class_with_complexity (ppl_Uint64_Box_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.158.2.52 int ppl_new_Uint64_Box_from_BD_Shape_mpq_class_with_complexity (ppl_Uint64_Box_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.158.2.53 int ppl_new_Uint64_Box_from_Octagonal_Shape_int8_t_with_complexity (ppl_Uint64_Box_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.158.2.54 int ppl_new_Uint64_Box_from_Octagonal_Shape_int16_t_with_complexity (ppl_Uint64_Box_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.158.2.55 int ppl_new_Uint64_Box_from_Octagonal_Shape_int32_t_with_complexity (ppl_Uint64_Box_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.158.2.56 int ppl_new_Uint64_Box_from_Octagonal_Shape_int64_t_with_complexity (ppl_Uint64_Box_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.158.2.57 int ppl_new_Uint64_Box_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Uint64_Box_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.158.2.58 int ppl_new_Uint64_Box_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Uint64_Box_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.158.2.59 int ppl_new_Uint64_Box_from_C_Polyhedron_with_complexity (ppl_Uint64_Box_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.158.2.60 int ppl_new_Uint64_Box_from_NNC_Polyhedron_with_complexity (ppl_Uint64_Box_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.158.2.61 int ppl_new_Uint64_Box_from_Grid_with_complexity (ppl_Uint64_Box_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.158.2.62 int ppl_new_Uint64_Box_from_Float_Box_with_complexity (ppl_Uint64_Box_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.158.2.63 int ppl_new_Uint64_Box_from_BD_Shape_float_with_complexity (ppl_Uint64_Box_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.158.2.64 int ppl_new_Uint64_Box_from_Octagonal_Shape_float_with_complexity (ppl_Uint64_Box_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.158.2.65 int ppl_new_Uint64_Box_from_Double_Box_with_complexity (ppl_Uint64_Box_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.158.2.66 int ppl_new_Uint64_Box_from_BD_Shape_double_with_complexity (ppl_Uint64_Box_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.158.2.67 int ppl_new_Uint64_Box_from_Octagonal_Shape_double_with_complexity (ppl_Uint64_Box_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.158.2.68 int ppl_new_Uint64_Box_from_Long_Double_Box_with_complexity (ppl_Uint64_Box_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.158.2.69 int ppl_new_Uint64_Box_from_BD_Shape_long_double_with_complexity (ppl_Uint64_Box_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.158.2.70 int ppl_new_Uint64_Box_from_Octagonal_Shape_long_double_with_complexity (ppl_Uint64_Box_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.158.2.71 int ppl_new_Uint64_Box_from_Constraint_System (ppl_Uint64_Box_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.158.2.72 int ppl_new_Uint64_Box_from_Congruence_System (ppl_Uint64_Box_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.158.2.73 int ppl_new_Uint64_Box_from_Generator_System (ppl_Uint64_Box_t * *pph*, ppl_const_Generator_System_t *cs*) [related]

7.158.2.74 int ppl_Uint64_Box_space_dimension (ppl_const_Uint64_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.158.2.75 int ppl_Uint64_Box_affine_dimension (ppl_const_Uint64_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.158.2.76 int ppl_Uint64_Box_relation_with_Constraint (ppl_const_Uint64_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.158.2.77 int ppl_Uint64_Box_relation_with_Generator (ppl_const_Uint64_Box_t *ph*, ppl_const_Generator_t *c*) [related]

7.158.2.78 int ppl_Uint64_Box_relation_with_Congruence (ppl_const_Uint64_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.158.2.79 int ppl_Uint64_Box_get_constraints (ppl_const_Uint64_Box_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.158.2.80 int ppl_Uint64_Box_get_congruences (ppl_const_Uint64_Box_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.158.2.81 int ppl_Uint64_Box_get_minimized_constraints (ppl_const_Uint64_Box_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.158.2.82 int ppl_Uint64_Box_get_minimized_congruences (ppl_const_Uint64_Box_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.158.2.83 int ppl_Uint64_Box_is_empty (ppl_const_Uint64_Box_t *ph*) [related]

7.158.2.84 int ppl_Uint64_Box_is_universe (ppl_const_Uint64_Box_t *ph*) [related]

7.158.2.85 int ppl_Uint64_Box_is_bounded (ppl_const_Uint64_Box_t *ph*) [related]

7.158.2.86 int ppl_Uint64_Box_contains_integer_point (ppl_const_Uint64_Box_t *ph*) [related]

7.158.2.87 int ppl_Uint64_Box_is_topologically_closed (ppl_const_Uint64_Box_t *ph*) [related]

7.158.2.88 int ppl_Uint64_Box_is_discrete (ppl_const_Uint64_Box_t *ph*) [related]

7.158.2.89 int ppl_Uint64_Box_topological_closure_assign (ppl_Uint64_Box_t *ph*) [related]

7.158.2.90 int ppl_Uint64_Box_bounds_from_above (ppl_const_Uint64_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.158.2.91 int ppl_Uint64_Box_bounds_from_below (ppl_const_Uint64_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.158.2.92 int ppl_Uint64_Box_maximize (ppl_const_Uint64_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.158.2.93 int ppl_Uint64_Box_minimize (ppl_const_Uint64_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.158.2.94 int ppl_Uint64_Box_maximize_with_point (ppl_const_Uint64_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.158.2.95 int ppl_Uint64_Box_minimize_with_point (ppl_const_Uint64_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.158.2.96 int ppl_Uint64_Box_frequency (ppl_const_Uint64_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_fn*, ppl_Coefficient_t *ext_fd*, ppl_Coefficient_t *ext_vn*, ppl_Coefficient_t *ext_vd*) [related]

7.158.2.97 int ppl_Uint64_Box_contains_Uint64_Box (ppl_const_Uint64_Box_t *x*, ppl_const_Uint64_Box_t *y*) [related]

7.158.2.98 int ppl_Uint64_Box_strictly_contains_Uint64_Box (ppl_const_Uint64_Box_t *x*, ppl_const_Uint64_Box_t *y*) [related]

7.158.2.99 int ppl_Uint64_Box_is_disjoint_from_Uint64_Box (ppl_const_Uint64_Box_t *x*, ppl_const_Uint64_Box_t *y*) [related]

7.158.2.100 int ppl_Uint64_Box_equals_Uint64_Box (ppl_const_Uint64_Box_t *x*, ppl_const_Uint64_Box_t *y*) [related]

7.158.2.101 int ppl_Uint64_Box_OK (ppl_const_Uint64_Box_t *ph*) [related]

7.158.2.102 int ppl_Uint64_Box_add_constraint (ppl_Uint64_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.158.2.103 int ppl_Uint64_Box_add_congruence (ppl_Uint64_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.158.2.104 int ppl_Uint64_Box_add_constraints (ppl_Uint64_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.158.2.105 int ppl_Uint64_Box_add_congruences (ppl_Uint64_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.158.2.106 int ppl_Uint64_Box_refine_with_constraint (ppl_Uint64_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.158.2.107 int ppl_Uint64_Box_refine_with_congruence (ppl_Uint64_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.158.2.108 int ppl_Uint64_Box_refine_with_constraints (ppl_Uint64_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.158.2.109 int ppl_Uint64_Box_refine_with_congruences (ppl_Uint64_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.158.2.110 int ppl_Uint64_Box_intersection_assign (ppl_Uint64_Box_t *x*, ppl_const_Uint64_Box_t *y*) [related]

7.158.2.111 int ppl_Uint64_Box_upper_bound_assign (ppl_Uint64_Box_t *x*, ppl_const_Uint64_Box_t *y*) [related]

7.158.2.112 int ppl_Uint64_Box_difference_assign (ppl_Uint64_Box_t *x*, ppl_const_Uint64_Box_t *y*) [related]

7.158.2.113 int ppl_Uint64_Box_concatenate_assign (ppl_Uint64_Box_t *x*, ppl_const_Uint64_Box_t *y*) [related]

7.158.2.114 int ppl_Uint64_Box_time_elapse_assign (ppl_Uint64_Box_t *x*, ppl_const_Uint64_Box_t *y*) [related]

7.158.2.115 int ppl_Uint64_Box_upper_bound_assign_if_exact (ppl_Uint64_Box_t *x*, ppl_const_Uint64_Box_t *y*) [related]

7.158.2.116 int ppl_Uint64_Box_simplify_using_context_assign (ppl_Uint64_Box_t *x*, ppl_const_Uint64_Box_t *y*) [related]

7.158.2.117 int ppl_Uint64_Box_constrains (ppl_Uint64_Box_t *ph*, ppl_dimension_type *var*) [related]

7.158.2.118 int ppl_Uint64_Box_unconstrain_space_dimension (ppl_Uint64_Box_t *ph*, ppl_dimension_type *var*) [related]

7.158.2.119 int ppl_Uint64_Box_unconstrain_space_dimensions (ppl_Uint64_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.158.2.120 int ppl_Uint64_Box_affine_image (ppl_Uint64_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.158.2.121 int ppl_Uint64_Box_affine_preimage (ppl_Uint64_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.158.2.122 int ppl_Uint64_Box_bounded_affine_image (ppl_Uint64_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.158.2.123 int ppl_Uint64_Box_bounded_affine_preimage (ppl_Uint64_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.158.2.124 int ppl_Uint64_Box_generalized_affine_image (ppl_Uint64_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.158.2.125 int ppl_Uint64_Box_generalized_affine_preimage (ppl_Uint64_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.158.2.126 int ppl_Uint64_Box_generalized_affine_image_lhs_rhs (ppl_Uint64_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.158.2.127 int ppl_Uint64_Box_generalized_affine_preimage_lhs_rhs (ppl_Uint64_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.158.2.128 int ppl_Uint64_Box_add_space_dimensions_and_embed (ppl_Uint64_Box_t *ph*, ppl_dimension_type *d*) [related]

7.158.2.129 int ppl_Uint64_Box_add_space_dimensions_and_project (ppl_Uint64_Box_t *ph*, ppl_dimension_type *d*) [related]

7.158.2.130 int ppl_Uint64_Box_remove_space_dimensions (ppl_Uint64_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.158.2.131 int ppl_Uint64_Box_remove_higher_space_dimensions (ppl_Uint64_Box_t *ph*, ppl_dimension_type *d*) [related]

7.158.2.132 int ppl_Uint64_Box_expand_space_dimension (ppl_Uint64_Box_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.158.2.133 int ppl_Uint64_Box_fold_space_dimensions (ppl_Uint64_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.158.2.134 int ppl_Uint64_Box_map_space_dimensions (ppl_Uint64_Box_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.158.2.135 int ppl_Uint64_Box_drop_some_non_integer_points (ppl_Uint64_Box_t *ph*, int *complexity*) [related]

7.158.2.136 int ppl_Uint64_Box_drop_some_non_integer_points_2 (ppl_Uint64_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.158.2.137 int ppl_Uint64_Box_external_memory_in_bytes (ppl_const_Uint64_Box_t *ps*, size_t * *sz*) [related]

7.158.2.138 int ppl_Uint64_Box_total_memory_in_bytes (ppl_const_Uint64_Box_t *ps*, size_t * *sz*) [related]

7.158.2.139 int ppl_Uint64_Box_CC76_widening_assign_with_tokens (ppl_Uint64_Box_t *x*, ppl_const_Uint64_Box_t *y*, unsigned * *tp*) [related]

7.158.2.140 int ppl_Uint64_Box_CC76_widening_assign (ppl_Uint64_Box_t *x*, ppl_const_Uint64_Box_t *y*) [related]

7.158.2.141 int ppl_Uint64_Box_widening_assign_with_tokens (ppl_Uint64_Box_t *x*, ppl_const_Uint64_Box_t *y*, unsigned * *tp*) [related]

7.158.2.142 int ppl_Uint64_Box_widening_assign (ppl_Uint64_Box_t *x*, ppl_const_Uint64_Box_t *y*) [related]

7.158.2.143 int ppl_Uint64_Box_limited_CC76_extrapolation_assign_with_tokens (ppl_Uint64_Box_t *x*, ppl_const_Uint64_Box_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.158.2.144 int ppl_Uint64_Box_limited_CC76_extrapolation_assign (ppl_Uint64_Box_t *x*, ppl_const_Uint64_Box_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.158.2.145 int ppl_Uint64_Box_linear_partition (ppl_const_Uint64_Box_t *x*, ppl_const_Uint64_Box_t *y*, ppl_Uint64_Box_t * *p_inters*, ppl_Pointset_Powerset_NNC_Polyhedron_t * *p_rest*) [related]

7.158.2.146 int ppl_Uint64_Box_wrap_assign (ppl_Uint64_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, enum ppl_enum_Bounded_Integer_Type_Width *w*, enum ppl_enum_Bounded_Integer_Type_Representation *r*, enum ppl_enum_Bounded_Integer_Type_Overflow *o*, const ppl_const_Constraint_System_t * *pcs*, unsigned *complexity_threshold*, int *wrap_individually*) [related]

7.158.2.147 int ppl_new_Uint64_Box_recycle_Constraint_System (ppl_Uint64_Box_t * *pph*, ppl_Constraint_System_t *cs*) [related]

7.158.2.148 int ppl_new_Uint64_Box_recycle_Congruence_System (ppl_Uint64_Box_t * *pph*, ppl_Congruence_System_t *cs*) [related]

7.158.2.149 int ppl_new_Uint64_Box_recycle_Generator_System (ppl_Uint64_Box_t * *pph*, ppl_Generator_System_t *cs*) [related]

7.158.2.150 int ppl_assign_Uint64_Box_from_Uint64_Box (ppl_Uint64_Box_t *dst*, ppl_const_Uint64_Box_t *src*) [related]

7.158.2.151 int ppl_Uint64_Box_add_recycled_constraints (ppl_Uint64_Box_t *ph*, ppl_Constraint_System_t *cs*) [related]

7.158.2.152 int ppl_Uint64_Box_add_recycled_congruences (ppl_Uint64_Box_t *ph*, ppl_Congruence_System_t *cs*) [related]

7.158.2.153 int ppl_termination_test_MS_Uint64_Box (ppl_const_Uint64_Box_t *pset*) [related]

7.158.2.154 int ppl_termination_test_PR_Uint64_Box (ppl_const_Uint64_Box_t *pset*) [related]

7.158.2.155 int ppl_one_affine_ranking_function_MS_Uint64_Box (ppl_const_Uint64_Box_t *pset*, ppl_Generator_t *point*) [related]

7.158.2.156 int ppl_one_affine_ranking_function_PR_Uint64_Box (ppl_const_Uint64_Box_t *pset*, ppl_Generator_t *point*) [related]

7.158.2.157 int ppl_all_affine_ranking_functions_MS_Uint64_Box (ppl_const_Uint64_Box_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.158.2.158 int ppl_all_affine_ranking_functions_PR_Uint64_Box (ppl_const_Uint64_Box_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.158.2.159 int ppl_termination_test_MS_Uint64_Box_2 (ppl_const_Uint64_Box_t *pset_before*, ppl_const_Uint64_Box_t *pset_after*) [related]

7.158.2.160 int ppl_termination_test_PR_Uint64_Box_2 (ppl_const_Uint64_Box_t *pset_before*, ppl_const_Uint64_Box_t *pset_after*) [related]

7.158.2.161 int ppl_one_affine_ranking_function_MS_Uint64_Box_2 (ppl_const_Uint64_Box_t *pset_before*, ppl_const_Uint64_Box_t *pset_after*, ppl_Generator_t *point*) [related]

7.158.2.162 int ppl_one_affine_ranking_function_PR_Uint64_Box_2 (ppl_const_Uint64_Box_t *pset_before*, ppl_const_Uint64_Box_t *pset_after*, ppl_Generator_t *point*) [related]

7.158.2.163 int ppl_all_affine_ranking_functions_MS_Uint64_Box_2 (ppl_const_Uint64_Box_t *pset_before*, ppl_const_Uint64_Box_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.158.2.164 int ppl_all_affine_ranking_functions_PR_Uint64_Box_2 (ppl_const_Uint64_Box_t *pset_before*, ppl_const_Uint64_Box_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.158.2.165 int ppl_io_print_Uint64_Box (ppl_const_Uint64_Box_t *x*) [related]

7.158.2.166 int ppl_io_fprint_Uint64_Box (FILE * *stream*, ppl_const_Uint64_Box_t *x*) [related]

7.158.2.167 int ppl_io_asprint_Uint64_Box (char ** *strp*, ppl_const_Uint64_Box_t *x*) [related]

7.158.2.168 int ppl_Uint64_Box_ascii_dump (ppl_const_Uint64_Box_t *x*, FILE * *stream*) [related]

7.158.2.169 int ppl_Uint64_Box_ascii_load (ppl_Uint64_Box_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.159 ppl_Uint8_Box_tag Interface Reference

Types and functions for ppl_Uint8_Box_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Uint8_Box (ppl_const_Uint8_Box_t ph)
- int ppl_new_Uint8_Box_from_space_dimension (ppl_Uint8_Box_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Uint8_Box_from_Int8_Box (ppl_Uint8_Box_t *pph, ppl_const_Int8_Box_t ph)
- int ppl_new_Uint8_Box_from_Int16_Box (ppl_Uint8_Box_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_Uint8_Box_from_Int32_Box (ppl_Uint8_Box_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_Uint8_Box_from_Int64_Box (ppl_Uint8_Box_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_Uint8_Box_from_Uint8_Box (ppl_Uint8_Box_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_Uint8_Box_from_Uint16_Box (ppl_Uint8_Box_t *pph, ppl_const_Uint16_Box_t ph)
- int ppl_new_Uint8_Box_from_Uint32_Box (ppl_Uint8_Box_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_Uint8_Box_from_Uint64_Box (ppl_Uint8_Box_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_Uint8_Box_from_Z_Box (ppl_Uint8_Box_t *pph, ppl_const_Z_Box_t ph)
- int ppl_new_Uint8_Box_from_Rational_Box (ppl_Uint8_Box_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_Uint8_Box_from_BD_Shape_int8_t (ppl_Uint8_Box_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_Uint8_Box_from_BD_Shape_int16_t (ppl_Uint8_Box_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_Uint8_Box_from_BD_Shape_int32_t (ppl_Uint8_Box_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_Uint8_Box_from_BD_Shape_int64_t (ppl_Uint8_Box_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_Uint8_Box_from_BD_Shape_mpz_class (ppl_Uint8_Box_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_Uint8_Box_from_BD_Shape_mpq_class (ppl_Uint8_Box_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_Uint8_Box_from_Octagonal_Shape_int8_t (ppl_Uint8_Box_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_Uint8_Box_from_Octagonal_Shape_int16_t (ppl_Uint8_Box_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_Uint8_Box_from_Octagonal_Shape_int32_t (ppl_Uint8_Box_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_Uint8_Box_from_Octagonal_Shape_int64_t (ppl_Uint8_Box_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_Uint8_Box_from_Octagonal_Shape_mpz_class (ppl_Uint8_Box_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_Uint8_Box_from_Octagonal_Shape_mpq_class (ppl_Uint8_Box_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_Uint8_Box_from_C_Polyhedron (ppl_Uint8_Box_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Uint8_Box_from_NNC_Polyhedron (ppl_Uint8_Box_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Uint8_Box_from_Grid (ppl_Uint8_Box_t *pph, ppl_const_Grid_t ph)
- int ppl_new_Uint8_Box_from_Float_Box (ppl_Uint8_Box_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_Uint8_Box_from_BD_Shape_float (ppl_Uint8_Box_t *pph, ppl_const_BD_Shape_float_t ph)
- int ppl_new_Uint8_Box_from_Octagonal_Shape_float (ppl_Uint8_Box_t *pph, ppl_const_Octagonal_Shape_float_t ph)

- int ppl_new_Uint8_Box_from_Double_Box (ppl_Uint8_Box_t *pph, ppl_const_Double_Box_t ph)
- int ppl_new_Uint8_Box_from_BD_Shape_double (ppl_Uint8_Box_t *pph, ppl_const_BD_Shape_double_t ph)
- int ppl_new_Uint8_Box_from_Octagonal_Shape_double (ppl_Uint8_Box_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_Uint8_Box_from_Long_Double_Box (ppl_Uint8_Box_t *pph, ppl_const_Long_Double_Box_t ph)
- int ppl_new_Uint8_Box_from_BD_Shape_long_double (ppl_Uint8_Box_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_Uint8_Box_from_Octagonal_Shape_long_double (ppl_Uint8_Box_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_Uint8_Box_from_Int8_Box_with_complexity (ppl_Uint8_Box_t *pph, ppl_const_Int8_Box_t ph, int complexity)
- int ppl_new_Uint8_Box_from_Int16_Box_with_complexity (ppl_Uint8_Box_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_Uint8_Box_from_Int32_Box_with_complexity (ppl_Uint8_Box_t *pph, ppl_const_Int32_Box_t ph, int complexity)
- int ppl_new_Uint8_Box_from_Int64_Box_with_complexity (ppl_Uint8_Box_t *pph, ppl_const_Int64_Box_t ph, int complexity)
- int ppl_new_Uint8_Box_from_Uint8_Box_with_complexity (ppl_Uint8_Box_t *pph, ppl_const_Uint8_Box_t ph, int complexity)
- int ppl_new_Uint8_Box_from_Uint16_Box_with_complexity (ppl_Uint8_Box_t *pph, ppl_const_Uint16_Box_t ph, int complexity)
- int ppl_new_Uint8_Box_from_Uint32_Box_with_complexity (ppl_Uint8_Box_t *pph, ppl_const_Uint32_Box_t ph, int complexity)
- int ppl_new_Uint8_Box_from_Uint64_Box_with_complexity (ppl_Uint8_Box_t *pph, ppl_const_Uint64_Box_t ph, int complexity)
- int ppl_new_Uint8_Box_from_Z_Box_with_complexity (ppl_Uint8_Box_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_Uint8_Box_from_Rational_Box_with_complexity (ppl_Uint8_Box_t *pph, ppl_const_Rational_Box_t ph, int complexity)
- int ppl_new_Uint8_Box_from_BD_Shape_int8_t_with_complexity (ppl_Uint8_Box_t *pph, ppl_const_BD_Shape_int8_t_t ph, int complexity)
- int ppl_new_Uint8_Box_from_BD_Shape_int16_t_with_complexity (ppl_Uint8_Box_t *pph, ppl_const_BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_Uint8_Box_from_BD_Shape_int32_t_with_complexity (ppl_Uint8_Box_t *pph, ppl_const_BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_Uint8_Box_from_BD_Shape_int64_t_with_complexity (ppl_Uint8_Box_t *pph, ppl_const_BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_Uint8_Box_from_BD_Shape_mpz_class_with_complexity (ppl_Uint8_Box_t *pph, ppl_const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Uint8_Box_from_BD_Shape_mpq_class_with_complexity (ppl_Uint8_Box_t *pph, ppl_const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Uint8_Box_from_Octagonal_Shape_int8_t_with_complexity (ppl_Uint8_Box_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_Uint8_Box_from_Octagonal_Shape_int16_t_with_complexity (ppl_Uint8_Box_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_Uint8_Box_from_Octagonal_Shape_int32_t_with_complexity (ppl_Uint8_Box_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_Uint8_Box_from_Octagonal_Shape_int64_t_with_complexity (ppl_Uint8_Box_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph, int complexity)

- int ppl_new_Uint8_Box_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Uint8_Box_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Uint8_Box_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Uint8_Box_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Uint8_Box_from_C_Polyhedron_with_complexity (ppl_Uint8_Box_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Uint8_Box_from_NNC_Polyhedron_with_complexity (ppl_Uint8_Box_t *pph, ppl_const_Polyhedron_t ph, int complexity)
- int ppl_new_Uint8_Box_from_Grid_with_complexity (ppl_Uint8_Box_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_Uint8_Box_from_Float_Box_with_complexity (ppl_Uint8_Box_t *pph, ppl_const_Float_Box_t ph, int complexity)
- int ppl_new_Uint8_Box_from_BD_Shape_float_with_complexity (ppl_Uint8_Box_t *pph, ppl_const_BD_Shape_float_t ph, int complexity)
- int ppl_new_Uint8_Box_from_Octagonal_Shape_float_with_complexity (ppl_Uint8_Box_t *pph, ppl_const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_Uint8_Box_from_Double_Box_with_complexity (ppl_Uint8_Box_t *pph, ppl_const_Double_Box_t ph, int complexity)
- int ppl_new_Uint8_Box_from_BD_Shape_double_with_complexity (ppl_Uint8_Box_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_Uint8_Box_from_Octagonal_Shape_double_with_complexity (ppl_Uint8_Box_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_Uint8_Box_from_Long_Double_Box_with_complexity (ppl_Uint8_Box_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_Uint8_Box_from_BD_Shape_long_double_with_complexity (ppl_Uint8_Box_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_Uint8_Box_from_Octagonal_Shape_long_double_with_complexity (ppl_Uint8_Box_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_Uint8_Box_from_Constraint_System (ppl_Uint8_Box_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Uint8_Box_from_Congruence_System (ppl_Uint8_Box_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_new_Uint8_Box_from_Generator_System (ppl_Uint8_Box_t *pph, ppl_const_Generator_System_t cs)
- int ppl_Uint8_Box_space_dimension (ppl_const_Uint8_Box_t ph, ppl_dimension_type *m)
- int ppl_Uint8_Box_affine_dimension (ppl_const_Uint8_Box_t ph, ppl_dimension_type *m)
- int ppl_Uint8_Box_relation_with_Constraint (ppl_const_Uint8_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Uint8_Box_relation_with_Generator (ppl_const_Uint8_Box_t ph, ppl_const_Generator_t c)
- int ppl_Uint8_Box_relation_with_Congruence (ppl_const_Uint8_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Uint8_Box_get_constraints (ppl_const_Uint8_Box_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Uint8_Box_get_congruences (ppl_const_Uint8_Box_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Uint8_Box_get_minimized_constraints (ppl_const_Uint8_Box_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Uint8_Box_get_minimized_congruences (ppl_const_Uint8_Box_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Uint8_Box_is_empty (ppl_const_Uint8_Box_t ph)
- int ppl_Uint8_Box_is_universe (ppl_const_Uint8_Box_t ph)
- int ppl_Uint8_Box_is_bounded (ppl_const_Uint8_Box_t ph)

- int ppl_Uint8_Box_contains_integer_point (ppl_const_Uint8_Box_t ph)
- int ppl_Uint8_Box_is_topologically_closed (ppl_const_Uint8_Box_t ph)
- int ppl_Uint8_Box_is_discrete (ppl_const_Uint8_Box_t ph)
- int ppl_Uint8_Box_topological_closure_assign (ppl_Uint8_Box_t ph)
- int ppl_Uint8_Box_bounds_from_above (ppl_const_Uint8_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Uint8_Box_bounds_from_below (ppl_const_Uint8_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Uint8_Box_maximize (ppl_const_Uint8_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Uint8_Box_minimize (ppl_const_Uint8_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Uint8_Box_maximize_with_point (ppl_const_Uint8_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Uint8_Box_minimize_with_point (ppl_const_Uint8_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Uint8_Box_frequency (ppl_const_Uint8_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_fn, ppl_Coefficient_t ext_fd, ppl_Coefficient_t ext_vn, ppl_Coefficient_t ext_vd)
- int ppl_Uint8_Box_contains_Uint8_Box (ppl_const_Uint8_Box_t x, ppl_const_Uint8_Box_t y)
- int ppl_Uint8_Box_strictly_contains_Uint8_Box (ppl_const_Uint8_Box_t x, ppl_const_Uint8_Box_t y)
- int ppl_Uint8_Box_is_disjoint_from_Uint8_Box (ppl_const_Uint8_Box_t x, ppl_const_Uint8_Box_t y)
- int ppl_Uint8_Box_equals_Uint8_Box (ppl_const_Uint8_Box_t x, ppl_const_Uint8_Box_t y)
- int ppl_Uint8_Box_OK (ppl_const_Uint8_Box_t ph)
- int ppl_Uint8_Box_add_constraint (ppl_Uint8_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Uint8_Box_add_congruence (ppl_Uint8_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Uint8_Box_add_constraints (ppl_Uint8_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Uint8_Box_add_congruences (ppl_Uint8_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Uint8_Box_refine_with_constraint (ppl_Uint8_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Uint8_Box_refine_with_congruence (ppl_Uint8_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Uint8_Box_refine_with_constraints (ppl_Uint8_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Uint8_Box_refine_with_congruences (ppl_Uint8_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Uint8_Box_intersection_assign (ppl_Uint8_Box_t x, ppl_const_Uint8_Box_t y)
- int ppl_Uint8_Box_upper_bound_assign (ppl_Uint8_Box_t x, ppl_const_Uint8_Box_t y)
- int ppl_Uint8_Box_difference_assign (ppl_Uint8_Box_t x, ppl_const_Uint8_Box_t y)
- int ppl_Uint8_Box_concatenate_assign (ppl_Uint8_Box_t x, ppl_const_Uint8_Box_t y)
- int ppl_Uint8_Box_time_elapse_assign (ppl_Uint8_Box_t x, ppl_const_Uint8_Box_t y)
- int ppl_Uint8_Box_upper_bound_assign_if_exact (ppl_Uint8_Box_t x, ppl_const_Uint8_Box_t y)
- int ppl_Uint8_Box_simplify_using_context_assign (ppl_Uint8_Box_t x, ppl_const_Uint8_Box_t y)
- int ppl_Uint8_Box_constrains (ppl_Uint8_Box_t ph, ppl_dimension_type var)
- int ppl_Uint8_Box_unconstrain_space_dimension (ppl_Uint8_Box_t ph, ppl_dimension_type var)
- int ppl_Uint8_Box_unconstrain_space_dimensions (ppl_Uint8_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Uint8_Box_affine_image (ppl_Uint8_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)

- int ppl_Uint8_Box_affine_preimage (ppl_Uint8_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Uint8_Box_bounded_affine_image (ppl_Uint8_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Uint8_Box_bounded_affine_preimage (ppl_Uint8_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Uint8_Box_generalized_affine_image (ppl_Uint8_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Uint8_Box_generalized_affine_preimage (ppl_Uint8_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Uint8_Box_generalized_affine_image_lhs_rhs (ppl_Uint8_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Uint8_Box_generalized_affine_preimage_lhs_rhs (ppl_Uint8_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Uint8_Box_add_space_dimensions_and_embed (ppl_Uint8_Box_t ph, ppl_dimension_type d)
- int ppl_Uint8_Box_add_space_dimensions_and_project (ppl_Uint8_Box_t ph, ppl_dimension_type d)
- int ppl_Uint8_Box_remove_space_dimensions (ppl_Uint8_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Uint8_Box_remove_higher_space_dimensions (ppl_Uint8_Box_t ph, ppl_dimension_type d)
- int ppl_Uint8_Box_expand_space_dimension (ppl_Uint8_Box_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Uint8_Box_fold_space_dimensions (ppl_Uint8_Box_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Uint8_Box_map_space_dimensions (ppl_Uint8_Box_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Uint8_Box_drop_some_non_integer_points (ppl_Uint8_Box_t ph, int complexity)
- int ppl_Uint8_Box_drop_some_non_integer_points_2 (ppl_Uint8_Box_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Uint8_Box_external_memory_in_bytes (ppl_const_Uint8_Box_t ps, size_t *sz)
- int ppl_Uint8_Box_total_memory_in_bytes (ppl_const_Uint8_Box_t ps, size_t *sz)
- int ppl_Uint8_Box_CC76_widening_assign_with_tokens (ppl_Uint8_Box_t x, ppl_const_Uint8_Box_t y, unsigned *tp)
- int ppl_Uint8_Box_CC76_widening_assign (ppl_Uint8_Box_t x, ppl_const_Uint8_Box_t y)
- int ppl_Uint8_Box_widening_assign_with_tokens (ppl_Uint8_Box_t x, ppl_const_Uint8_Box_t y, unsigned *tp)
- int ppl_Uint8_Box_widening_assign (ppl_Uint8_Box_t x, ppl_const_Uint8_Box_t y)
- int ppl_Uint8_Box_limited_CC76_extrapolation_assign_with_tokens (ppl_Uint8_Box_t x, ppl_const_Uint8_Box_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_Uint8_Box_limited_CC76_extrapolation_assign (ppl_Uint8_Box_t x, ppl_const_Uint8_Box_t y, ppl_const_Constraint_System_t cs)
- int ppl_Uint8_Box_linear_partition (ppl_const_Uint8_Box_t x, ppl_const_Uint8_Box_t y, ppl_Uint8_Box_t *p_inters, ppl_Pointset_Powerset_NNC_Polyhedron_t *p_rest)
- int ppl_Uint8_Box_wrap_assign (ppl_Uint8_Box_t ph, ppl_dimension_type ds[ ], size_t n, enum ppl_enum_Bounded_Integer_Type_Width w, enum ppl_enum_Bounded_Integer_Type_Representation r, enum ppl_enum_Bounded_Integer_Type_Overflow o, const ppl_const_Constraint_System_t *pcs, unsigned complexity_threshold, int wrap_individually)
- int ppl_new_Uint8_Box_recycle_Constraint_System (ppl_Uint8_Box_t *pph, ppl_Constraint_System_t cs)

- int ppl_new_Uint8_Box_recycle_Congruence_System (ppl_Uint8_Box_t *pph, ppl_Congruence_System_t cs)
- int ppl_new_Uint8_Box_recycle_Generator_System (ppl_Uint8_Box_t *pph, ppl_Generator_System_t cs)
- int ppl_assign_Uint8_Box_from_Uint8_Box (ppl_Uint8_Box_t dst, ppl_const_Uint8_Box_t src)
- int ppl_Uint8_Box_add_recycled_constraints (ppl_Uint8_Box_t ph, ppl_Constraint_System_t cs)
- int ppl_Uint8_Box_add_recycled_congruences (ppl_Uint8_Box_t ph, ppl_Congruence_System_t cs)
- int ppl_termination_test_MS_Uint8_Box (ppl_const_Uint8_Box_t pset)
- int ppl_termination_test_PR_Uint8_Box (ppl_const_Uint8_Box_t pset)
- int ppl_one_affine_ranking_function_MS_Uint8_Box (ppl_const_Uint8_Box_t pset, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Uint8_Box (ppl_const_Uint8_Box_t pset, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Uint8_Box (ppl_const_Uint8_Box_t pset, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Uint8_Box (ppl_const_Uint8_Box_t pset, ppl_Polyhedron_t ph)
- int ppl_termination_test_MS_Uint8_Box_2 (ppl_const_Uint8_Box_t pset_before, ppl_const_Uint8_Box_t pset_after)
- int ppl_termination_test_PR_Uint8_Box_2 (ppl_const_Uint8_Box_t pset_before, ppl_const_Uint8_Box_t pset_after)
- int ppl_one_affine_ranking_function_MS_Uint8_Box_2 (ppl_const_Uint8_Box_t pset_before, ppl_const_Uint8_Box_t pset_after, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Uint8_Box_2 (ppl_const_Uint8_Box_t pset_before, ppl_const_Uint8_Box_t pset_after, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Uint8_Box_2 (ppl_const_Uint8_Box_t pset_before, ppl_const_Uint8_Box_t pset_after, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Uint8_Box_2 (ppl_const_Uint8_Box_t pset_before, ppl_const_Uint8_Box_t pset_after, ppl_Polyhedron_t ph)
- int ppl_io_print_Uint8_Box (ppl_const_Uint8_Box_t x)
- int ppl_io_fprint_Uint8_Box (FILE *stream, ppl_const_Uint8_Box_t x)
- int ppl_io_asprint_Uint8_Box (char **strp, ppl_const_Uint8_Box_t x)
- int ppl_Uint8_Box_ascii_dump (ppl_const_Uint8_Box_t x, FILE *stream)
- int ppl_Uint8_Box_ascii_load (ppl_Uint8_Box_t x, FILE *stream)

7.159.1 Detailed Description

Types and functions for ppl_Uint8_Box_tag.

7.159.2 Friends And Related Function Documentation

7.159.2.1 int ppl_delete_Uint8_Box (ppl_const_Uint8_Box_t *ph*) [related]

7.159.2.2 int ppl_new_Uint8_Box_from_space_dimension (ppl_Uint8_Box_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.159.2.3 int ppl_new_Uint8_Box_from_Int8_Box (ppl_Uint8_Box_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.159.2.4 int ppl_new_Uint8_Box_from_Int16_Box (ppl_Uint8_Box_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.159.2.5 int ppl_new_Uint8_Box_from_Int32_Box (ppl_Uint8_Box_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.159.2.6 int ppl_new_Uint8_Box_from_Int64_Box (ppl_Uint8_Box_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.159.2.7 int ppl_new_Uint8_Box_from_Uint8_Box (ppl_Uint8_Box_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.159.2.8 int ppl_new_Uint8_Box_from_Uint16_Box (ppl_Uint8_Box_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.159.2.9 int ppl_new_Uint8_Box_from_Uint32_Box (ppl_Uint8_Box_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.159.2.10 int ppl_new_Uint8_Box_from_Uint64_Box (ppl_Uint8_Box_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.159.2.11 int ppl_new_Uint8_Box_from_Z_Box (ppl_Uint8_Box_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.159.2.12 int ppl_new_Uint8_Box_from_Rational_Box (ppl_Uint8_Box_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.159.2.13 int ppl_new_Uint8_Box_from_BD_Shape_int8_t (ppl_Uint8_Box_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.159.2.14 int ppl_new_Uint8_Box_from_BD_Shape_int16_t (ppl_Uint8_Box_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.159.2.15 int ppl_new_Uint8_Box_from_BD_Shape_int32_t (ppl_Uint8_Box_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.159.2.16 int ppl_new_Uint8_Box_from_BD_Shape_int64_t (ppl_Uint8_Box_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.159.2.17 int ppl_new_Uint8_Box_from_BD_Shape_mpz_class (ppl_Uint8_Box_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.159.2.18 int ppl_new_Uint8_Box_from_BD_Shape_mpq_class (ppl_Uint8_Box_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.159.2.19 int ppl_new_Uint8_Box_from_Octagonal_Shape_int8_t (ppl_Uint8_Box_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.159.2.20 int ppl_new_Uint8_Box_from_Octagonal_Shape_int16_t (ppl_Uint8_Box_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.159.2.21 int ppl_new_Uint8_Box_from_Octagonal_Shape_int32_t (ppl_Uint8_Box_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.159.2.22 int ppl_new_Uint8_Box_from_Octagonal_Shape_int64_t (ppl_Uint8_Box_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.159.2.23 int ppl_new_Uint8_Box_from_Octagonal_Shape_mpz_class (ppl_Uint8_Box_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.159.2.24 int ppl_new_Uint8_Box_from_Octagonal_Shape_mpq_class (ppl_Uint8_Box_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.159.2.25 int ppl_new_Uint8_Box_from_C_Polyhedron (ppl_Uint8_Box_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.159.2.26 int ppl_new_Uint8_Box_from_NNC_Polyhedron (ppl_Uint8_Box_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.159.2.27 int ppl_new_Uint8_Box_from_Grid (ppl_Uint8_Box_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.159.2.28 int ppl_new_Uint8_Box_from_Float_Box (ppl_Uint8_Box_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.159.2.29 int ppl_new_Uint8_Box_from_BD_Shape_float (ppl_Uint8_Box_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.159.2.30 int ppl_new_Uint8_Box_from_Octagonal_Shape_float (ppl_Uint8_Box_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.159.2.31 int ppl_new_Uint8_Box_from_Double_Box (ppl_Uint8_Box_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.159.2.32 int ppl_new_Uint8_Box_from_BD_Shape_double (ppl_Uint8_Box_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.159.2.33 int ppl_new_Uint8_Box_from_Octagonal_Shape_double (ppl_Uint8_Box_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.159.2.34 int ppl_new_Uint8_Box_from_Long_Double_Box (ppl_Uint8_Box_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.159.2.35 int ppl_new_Uint8_Box_from_BD_Shape_long_double (ppl_Uint8_Box_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.159.2.36 int ppl_new_Uint8_Box_from_Octagonal_Shape_long_double (ppl_Uint8_Box_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.159.2.37 int ppl_new_Uint8_Box_from_Int8_Box_with_complexity (ppl_Uint8_Box_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.159.2.38 int ppl_new_Uint8_Box_from_Int16_Box_with_complexity (ppl_Uint8_Box_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.159.2.39 int ppl_new_Uint8_Box_from_Int32_Box_with_complexity (ppl_Uint8_Box_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.159.2.40 int ppl_new_Uint8_Box_from_Int64_Box_with_complexity (ppl_Uint8_Box_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.159.2.41 int ppl_new_Uint8_Box_from_Uint8_Box_with_complexity (ppl_Uint8_Box_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.159.2.42 int ppl_new_Uint8_Box_from_Uint16_Box_with_complexity (ppl_Uint8_Box_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.159.2.43 int ppl_new_Uint8_Box_from_Uint32_Box_with_complexity (ppl_Uint8_Box_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.159.2.44 int ppl_new_Uint8_Box_from_Uint64_Box_with_complexity (ppl_Uint8_Box_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.159.2.45 int ppl_new_Uint8_Box_from_Z_Box_with_complexity (ppl_Uint8_Box_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.159.2.46 int ppl_new_Uint8_Box_from_Rational_Box_with_complexity (ppl_Uint8_Box_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.159.2.47 int ppl_new_Uint8_Box_from_BD_Shape_int8_t_with_complexity (ppl_Uint8_Box_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.159.2.48 int ppl_new_Uint8_Box_from_BD_Shape_int16_t_with_complexity (ppl_Uint8_Box_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.159.2.49 int ppl_new_Uint8_Box_from_BD_Shape_int32_t_with_complexity (ppl_Uint8_Box_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.159.2.50 int ppl_new_Uint8_Box_from_BD_Shape_int64_t_with_complexity (ppl_Uint8_Box_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.159.2.51 int ppl_new_Uint8_Box_from_BD_Shape_mpz_class_with_complexity (ppl_Uint8_Box_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.159.2.52 int ppl_new_Uint8_Box_from_BD_Shape_mpq_class_with_complexity (ppl_Uint8_Box_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.159.2.53 int ppl_new_Uint8_Box_from_Octagonal_Shape_int8_t_with_complexity (ppl_Uint8_Box_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.159.2.54 int ppl_new_Uint8_Box_from_Octagonal_Shape_int16_t_with_complexity (ppl_Uint8_Box_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.159.2.55 int ppl_new_Uint8_Box_from_Octagonal_Shape_int32_t_with_complexity (ppl_Uint8_Box_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.159.2.56 int ppl_new_Uint8_Box_from_Octagonal_Shape_int64_t_with_complexity (ppl_Uint8_Box_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.159.2.57 int ppl_new_Uint8_Box_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Uint8_Box_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.159.2.58 int ppl_new_Uint8_Box_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Uint8_Box_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.159.2.59 int ppl_new_Uint8_Box_from_C_Polyhedron_with_complexity (ppl_Uint8_Box_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.159.2.60 int ppl_new_Uint8_Box_from_NNC_Polyhedron_with_complexity (ppl_Uint8_Box_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.159.2.61 int ppl_new_Uint8_Box_from_Grid_with_complexity (ppl_Uint8_Box_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.159.2.62 int ppl_new_Uint8_Box_from_Float_Box_with_complexity (ppl_Uint8_Box_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.159.2.63 int ppl_new_Uint8_Box_from_BD_Shape_float_with_complexity (ppl_Uint8_Box_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.159.2.64 int ppl_new_Uint8_Box_from_Octagonal_Shape_float_with_complexity (ppl_Uint8_Box_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.159.2.65 int ppl_new_Uint8_Box_from_Double_Box_with_complexity (ppl_Uint8_Box_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.159.2.66 int ppl_new_Uint8_Box_from_BD_Shape_double_with_complexity (ppl_Uint8_Box_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.159.2.67 int ppl_new_Uint8_Box_from_Octagonal_Shape_double_with_complexity (ppl_Uint8_Box_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.159.2.68 int ppl_new_Uint8_Box_from_Long_Double_Box_with_complexity (ppl_Uint8_Box_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.159.2.69 int ppl_new_Uint8_Box_from_BD_Shape_long_double_with_complexity (ppl_Uint8_Box_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.159.2.70 int ppl_new_Uint8_Box_from_Octagonal_Shape_long_double_with_complexity (ppl_Uint8_Box_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.159.2.71 int ppl_new_Uint8_Box_from_Constraint_System (ppl_Uint8_Box_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.159.2.72 int ppl_new_Uint8_Box_from_Congruence_System (ppl_Uint8_Box_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.159.2.73 int ppl_new_Uint8_Box_from_Generator_System (ppl_Uint8_Box_t * *pph*, ppl_const_Generator_System_t *cs*) [related]

7.159.2.74 int ppl_Uint8_Box_space_dimension (ppl_const_Uint8_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.159.2.75 int ppl_Uint8_Box_affine_dimension (ppl_const_Uint8_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.159.2.76 int ppl_Uint8_Box_relation_with_Constraint (ppl_const_Uint8_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.159.2.77 int ppl_Uint8_Box_relation_with_Generator (ppl_const_Uint8_Box_t *ph*, ppl_const_Generator_t *c*) [related]

7.159.2.78 int ppl_Uint8_Box_relation_with_Congruence (ppl_const_Uint8_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.159.2.79 int ppl_Uint8_Box_get_constraints (ppl_const_Uint8_Box_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.159.2.80 int ppl_Uint8_Box_get_congruences (ppl_const_Uint8_Box_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.159.2.81 int ppl_Uint8_Box_get_minimized_constraints (ppl_const_Uint8_Box_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.159.2.82 int ppl_Uint8_Box_get_minimized_congruences (ppl_const_Uint8_Box_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.159.2.83 int ppl_Uint8_Box_is_empty (ppl_const_Uint8_Box_t *ph*) [related]

7.159.2.84 int ppl_Uint8_Box_is_universe (ppl_const_Uint8_Box_t *ph*) [related]

7.159.2.85 int ppl_Uint8_Box_is_bounded (ppl_const_Uint8_Box_t *ph*) [related]

7.159.2.86 int ppl_Uint8_Box_contains_integer_point (ppl_const_Uint8_Box_t *ph*) [related]

7.159.2.87 int ppl_Uint8_Box_is_topologically_closed (ppl_const_Uint8_Box_t *ph*) [related]

7.159.2.88 int ppl_Uint8_Box_is_discrete (ppl_const_Uint8_Box_t *ph*) [related]

7.159.2.89 int ppl_Uint8_Box_topological_closure_assign (ppl_Uint8_Box_t *ph*) [related]

7.159.2.90 int ppl_Uint8_Box_bounds_from_above (ppl_const_Uint8_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.159.2.91 int ppl_Uint8_Box_bounds_from_below (ppl_const_Uint8_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.159.2.92 int ppl_Uint8_Box_maximize (ppl_const_Uint8_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.159.2.93 int ppl_Uint8_Box_minimize (ppl_const_Uint8_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.159.2.94 int ppl_Uint8_Box_maximize_with_point (ppl_const_Uint8_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.159.2.95 int ppl_Uint8_Box_minimize_with_point (ppl_const_Uint8_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.159.2.96 int ppl_Uint8_Box_frequency (ppl_const_Uint8_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_fn*, ppl_Coefficient_t *ext_fd*, ppl_Coefficient_t *ext_vn*, ppl_Coefficient_t *ext_vd*) [related]

7.159.2.97 int ppl_Uint8_Box_contains_Uint8_Box (ppl_const_Uint8_Box_t *x*, ppl_const_Uint8_Box_t *y*) [related]

7.159.2.98 int ppl_Uint8_Box_strictly_contains_Uint8_Box (ppl_const_Uint8_Box_t *x*, ppl_const_Uint8_Box_t *y*) [related]

7.159.2.99 int ppl_Uint8_Box_is_disjoint_from_Uint8_Box (ppl_const_Uint8_Box_t *x*, ppl_const_Uint8_Box_t *y*) [related]

7.159.2.100 int ppl_Uint8_Box_equals_Uint8_Box (ppl_const_Uint8_Box_t *x*, ppl_const_Uint8_Box_t *y*) [related]

7.159.2.101 int ppl_Uint8_Box_OK (ppl_const_Uint8_Box_t *ph*) [related]

7.159.2.102 int ppl_Uint8_Box_add_constraint (ppl_Uint8_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.159.2.103 int ppl_Uint8_Box_add_congruence (ppl_Uint8_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.159.2.104 int ppl_Uint8_Box_add_constraints (ppl_Uint8_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.159.2.105 int ppl_Uint8_Box_add_congruences (ppl_Uint8_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.159.2.106 int ppl_Uint8_Box_refine_with_constraint (ppl_Uint8_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.159.2.107 int ppl_Uint8_Box_refine_with_congruence (ppl_Uint8_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.159.2.108 int ppl_Uint8_Box_refine_with_constraints (ppl_Uint8_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.159.2.109 int ppl_Uint8_Box_refine_with_congruences (ppl_Uint8_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.159.2.110 int ppl_Uint8_Box_intersection_assign (ppl_Uint8_Box_t *x*, ppl_const_Uint8_Box_t *y*) [related]

7.159.2.111 int ppl_Uint8_Box_upper_bound_assign (ppl_Uint8_Box_t *x*, ppl_const_Uint8_Box_t *y*) [related]

7.159.2.112 int ppl_Uint8_Box_difference_assign (ppl_Uint8_Box_t *x*, ppl_const_Uint8_Box_t *y*) [related]

7.159.2.113 int ppl_Uint8_Box_concatenate_assign (ppl_Uint8_Box_t *x*, ppl_const_Uint8_Box_t *y*) [related]

7.159.2.114 int ppl_Uint8_Box_time_elapse_assign (ppl_Uint8_Box_t *x*, ppl_const_Uint8_Box_t *y*) [related]

7.159.2.115 int ppl_Uint8_Box_upper_bound_assign_if_exact (ppl_Uint8_Box_t *x*, ppl_const_Uint8_Box_t *y*) [related]

7.159.2.116 int ppl_Uint8_Box_simplify_using_context_assign (ppl_Uint8_Box_t *x*, ppl_const_Uint8_Box_t *y*) [related]

7.159.2.117 int ppl_Uint8_Box_constrains (ppl_Uint8_Box_t *ph*, ppl_dimension_type *var*) [related]

7.159.2.118 int ppl_Uint8_Box_unconstrain_space_dimension (ppl_Uint8_Box_t *ph*, ppl_dimension_type *var*) [related]

7.159.2.119 int ppl_Uint8_Box_unconstrain_space_dimensions (ppl_Uint8_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.159.2.120 int ppl_Uint8_Box_affine_image (ppl_Uint8_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.159.2.121 int ppl_Uint8_Box_affine_preimage (ppl_Uint8_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.159.2.122 int ppl_Uint8_Box_bounded_affine_image (ppl_Uint8_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.159.2.123 int ppl_Uint8_Box_bounded_affine_preimage (ppl_Uint8_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.159.2.124 int ppl_Uint8_Box_generalized_affine_image (ppl_Uint8_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.159.2.125 int ppl_Uint8_Box_generalized_affine_preimage (ppl_Uint8_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.159.2.126 int ppl_Uint8_Box_generalized_affine_image_lhs_rhs (ppl_Uint8_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.159.2.127 int ppl_Uint8_Box_generalized_affine_preimage_lhs_rhs (ppl_Uint8_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.159.2.128 int ppl_Uint8_Box_add_space_dimensions_and_embed (ppl_Uint8_Box_t *ph*, ppl_dimension_type *d*) [related]

7.159.2.129 int ppl_Uint8_Box_add_space_dimensions_and_project (ppl_Uint8_Box_t *ph*, ppl_dimension_type *d*) [related]

7.159.2.130 int ppl_Uint8_Box_remove_space_dimensions (ppl_Uint8_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.159.2.131 int ppl_Uint8_Box_remove_higher_space_dimensions (ppl_Uint8_Box_t *ph*, ppl_dimension_type *d*) [related]

7.159.2.132 int ppl_Uint8_Box_expand_space_dimension (ppl_Uint8_Box_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.159.2.133 int ppl_Uint8_Box_fold_space_dimensions (ppl_Uint8_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.159.2.134 int ppl_Uint8_Box_map_space_dimensions (ppl_Uint8_Box_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.159.2.135 int ppl_Uint8_Box_drop_some_non_integer_points (ppl_Uint8_Box_t *ph*, int *complexity*) [related]

7.159.2.136 int ppl_Uint8_Box_drop_some_non_integer_points_2 (ppl_Uint8_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.159.2.137 int ppl_Uint8_Box_external_memory_in_bytes (ppl_const_Uint8_Box_t *ps*, size_t * *sz*) [related]

7.159.2.138 int ppl_Uint8_Box_total_memory_in_bytes (ppl_const_Uint8_Box_t *ps*, size_t * *sz*) [related]

7.159.2.139 int ppl_Uint8_Box_CC76_widening_assign_with_tokens (ppl_Uint8_Box_t *x*, ppl_const_Uint8_Box_t *y*, unsigned * *tp*) [related]

7.159.2.140 int ppl_Uint8_Box_CC76_widening_assign (ppl_Uint8_Box_t *x*, ppl_const_Uint8_Box_t *y*) [related]

7.159.2.141 int ppl_Uint8_Box_widening_assign_with_tokens (ppl_Uint8_Box_t *x*, ppl_const_Uint8_Box_t *y*, unsigned * *tp*) [related]

7.159.2.142 int ppl_Uint8_Box_widening_assign (ppl_Uint8_Box_t *x*, ppl_const_Uint8_Box_t *y*) [related]

7.159.2.143 int ppl_Uint8_Box_limited_CC76_extrapolation_assign_with_tokens (ppl_Uint8_Box_t *x*, ppl_const_Uint8_Box_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.159.2.144 int ppl_Uint8_Box_limited_CC76_extrapolation_assign (ppl_Uint8_Box_t *x*, ppl_const_Uint8_Box_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.159.2.145 int ppl_Uint8_Box_linear_partition (ppl_const_Uint8_Box_t *x*, ppl_const_Uint8_Box_t *y*, ppl_Uint8_Box_t * *p_inters*, ppl_Pointset_Powerset_NNC_Polyhedron_t * *p_rest*) [related]

7.159.2.146 int ppl_Uint8_Box_wrap_assign (ppl_Uint8_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, enum ppl_enum_Bounded_Integer_Type_Width *w*, enum ppl_enum_Bounded_Integer_Type_Representation *r*, enum ppl_enum_Bounded_Integer_Type_Overflow *o*, const ppl_const_Constraint_System_t * *pcs*, unsigned *complexity_threshold*, int *wrap_individually*) [related]

7.159.2.147 int ppl_new_Uint8_Box_recycle_Constraint_System (ppl_Uint8_Box_t * *pph*, ppl_Constraint_System_t *cs*) [related]

7.159.2.148 int ppl_new_Uint8_Box_recycle_Congruence_System (ppl_Uint8_Box_t * *pph*, ppl_Congruence_System_t *cs*) [related]

7.159.2.149 int ppl_new_Uint8_Box_recycle_Generator_System (ppl_Uint8_Box_t * *pph*, ppl_Generator_System_t *cs*) [related]

7.159.2.150 int ppl_assign_Uint8_Box_from_Uint8_Box (ppl_Uint8_Box_t *dst*, ppl_const_Uint8_Box_t *src*) [related]

7.159.2.151 int ppl_Uint8_Box_add_recycled_constraints (ppl_Uint8_Box_t *ph*, ppl_Constraint_System_t *cs*) [related]

7.159.2.152 int ppl_Uint8_Box_add_recycled_congruences (ppl_Uint8_Box_t *ph*, ppl_Congruence_System_t *cs*) [related]

7.159.2.153 int ppl_termination_test_MS_Uint8_Box (ppl_const_Uint8_Box_t *pset*) [related]

7.159.2.154 int ppl_termination_test_PR_Uint8_Box (ppl_const_Uint8_Box_t *pset*) [related]

7.159.2.155 int ppl_one_affine_ranking_function_MS_Uint8_Box (ppl_const_Uint8_Box_t *pset*, ppl_Generator_t *point*) [related]

7.159.2.156 int ppl_one_affine_ranking_function_PR_Uint8_Box (ppl_const_Uint8_Box_t *pset*, ppl_Generator_t *point*) [related]

7.159.2.157 int ppl_all_affine_ranking_functions_MS_Uint8_Box (ppl_const_Uint8_Box_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.159.2.158 int ppl_all_affine_ranking_functions_PR_Uint8_Box (ppl_const_Uint8_Box_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.159.2.159 int ppl_termination_test_MS_Uint8_Box_2 (ppl_const_Uint8_Box_t *pset_before*, ppl_const_Uint8_Box_t *pset_after*) [related]

7.159.2.160 int ppl_termination_test_PR_Uint8_Box_2 (ppl_const_Uint8_Box_t *pset_before*, ppl_const_Uint8_Box_t *pset_after*) [related]

7.159.2.161 int ppl_one_affine_ranking_function_MS_Uint8_Box_2 (ppl_const_Uint8_Box_t *pset_before*, ppl_const_Uint8_Box_t *pset_after*, ppl_Generator_t *point*) [related]

7.159.2.162 int ppl_one_affine_ranking_function_PR_Uint8_Box_2 (ppl_const_Uint8_Box_t *pset_before*, ppl_const_Uint8_Box_t *pset_after*, ppl_Generator_t *point*) [related]

7.159.2.163 int ppl_all_affine_ranking_functions_MS_Uint8_Box_2 (ppl_const_Uint8_Box_t *pset_before*, ppl_const_Uint8_Box_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.159.2.164 int ppl_all_affine_ranking_functions_PR_Uint8_Box_2 (ppl_const_Uint8_Box_t *pset_before*, ppl_const_Uint8_Box_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.159.2.165 int ppl_io_print_Uint8_Box (ppl_const_Uint8_Box_t *x*) [related]

7.159.2.166 int ppl_io_fprint_Uint8_Box (FILE * *stream*, ppl_const_Uint8_Box_t *x*) [related]

7.159.2.167 int ppl_io_asprint_Uint8_Box (char ** *strp*, ppl_const_Uint8_Box_t *x*) [related]

7.159.2.168 int ppl_Uint8_Box_ascii_dump (ppl_const_Uint8_Box_t *x*, FILE * *stream*) [related]

7.159.2.169 int ppl_Uint8_Box_ascii_load (ppl_Uint8_Box_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

7.160 ppl_Z_Box_tag Interface Reference

Types and functions for ppl_Z_Box_tag.

```
#include <ppl_c.h>
```

Related Functions

(Note that these are not member functions.)

- int ppl_delete_Z_Box (ppl_const_Z_Box_t ph)
- int ppl_new_Z_Box_from_space_dimension (ppl_Z_Box_t *pph, ppl_dimension_type d, int empty)
- int ppl_new_Z_Box_from_Int8_Box (ppl_Z_Box_t *pph, ppl_const_Int8_Box_t ph)
- int ppl_new_Z_Box_from_Int16_Box (ppl_Z_Box_t *pph, ppl_const_Int16_Box_t ph)
- int ppl_new_Z_Box_from_Int32_Box (ppl_Z_Box_t *pph, ppl_const_Int32_Box_t ph)
- int ppl_new_Z_Box_from_Int64_Box (ppl_Z_Box_t *pph, ppl_const_Int64_Box_t ph)
- int ppl_new_Z_Box_from_Uint8_Box (ppl_Z_Box_t *pph, ppl_const_Uint8_Box_t ph)
- int ppl_new_Z_Box_from_Uint16_Box (ppl_Z_Box_t *pph, ppl_const_Uint16_Box_t ph)

- int ppl_new_Z_Box_from_Uint32_Box (ppl_Z_Box_t *pph, ppl_const_Uint32_Box_t ph)
- int ppl_new_Z_Box_from_Uint64_Box (ppl_Z_Box_t *pph, ppl_const_Uint64_Box_t ph)
- int ppl_new_Z_Box_from_Z_Box (ppl_Z_Box_t *pph, ppl_const_Z_Box_t ph)
- int ppl_new_Z_Box_from_Rational_Box (ppl_Z_Box_t *pph, ppl_const_Rational_Box_t ph)
- int ppl_new_Z_Box_from_BD_Shape_int8_t (ppl_Z_Box_t *pph, ppl_const_BD_Shape_int8_t_t ph)
- int ppl_new_Z_Box_from_BD_Shape_int16_t (ppl_Z_Box_t *pph, ppl_const_BD_Shape_int16_t_t ph)
- int ppl_new_Z_Box_from_BD_Shape_int32_t (ppl_Z_Box_t *pph, ppl_const_BD_Shape_int32_t_t ph)
- int ppl_new_Z_Box_from_BD_Shape_int64_t (ppl_Z_Box_t *pph, ppl_const_BD_Shape_int64_t_t ph)
- int ppl_new_Z_Box_from_BD_Shape_mpz_class (ppl_Z_Box_t *pph, ppl_const_BD_Shape_mpz_class_t ph)
- int ppl_new_Z_Box_from_BD_Shape_mpq_class (ppl_Z_Box_t *pph, ppl_const_BD_Shape_mpq_class_t ph)
- int ppl_new_Z_Box_from_Octagonal_Shape_int8_t (ppl_Z_Box_t *pph, ppl_const_Octagonal_Shape_int8_t_t ph)
- int ppl_new_Z_Box_from_Octagonal_Shape_int16_t (ppl_Z_Box_t *pph, ppl_const_Octagonal_Shape_int16_t_t ph)
- int ppl_new_Z_Box_from_Octagonal_Shape_int32_t (ppl_Z_Box_t *pph, ppl_const_Octagonal_Shape_int32_t_t ph)
- int ppl_new_Z_Box_from_Octagonal_Shape_int64_t (ppl_Z_Box_t *pph, ppl_const_Octagonal_Shape_int64_t_t ph)
- int ppl_new_Z_Box_from_Octagonal_Shape_mpz_class (ppl_Z_Box_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph)
- int ppl_new_Z_Box_from_Octagonal_Shape_mpq_class (ppl_Z_Box_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph)
- int ppl_new_Z_Box_from_C_Polyhedron (ppl_Z_Box_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Z_Box_from_NNC_Polyhedron (ppl_Z_Box_t *pph, ppl_const_Polyhedron_t ph)
- int ppl_new_Z_Box_from_Grid (ppl_Z_Box_t *pph, ppl_const_Grid_t ph)
- int ppl_new_Z_Box_from_Float_Box (ppl_Z_Box_t *pph, ppl_const_Float_Box_t ph)
- int ppl_new_Z_Box_from_BD_Shape_float (ppl_Z_Box_t *pph, ppl_const_BD_Shape_float_t ph)
- int ppl_new_Z_Box_from_Octagonal_Shape_float (ppl_Z_Box_t *pph, ppl_const_Octagonal_Shape_float_t ph)
- int ppl_new_Z_Box_from_Double_Box (ppl_Z_Box_t *pph, ppl_const_Double_Box_t ph)
- int ppl_new_Z_Box_from_BD_Shape_double (ppl_Z_Box_t *pph, ppl_const_BD_Shape_double_t ph)
- int ppl_new_Z_Box_from_Octagonal_Shape_double (ppl_Z_Box_t *pph, ppl_const_Octagonal_Shape_double_t ph)
- int ppl_new_Z_Box_from_Long_Double_Box (ppl_Z_Box_t *pph, ppl_const_Long_Double_Box_t ph)
- int ppl_new_Z_Box_from_BD_Shape_long_double (ppl_Z_Box_t *pph, ppl_const_BD_Shape_long_double_t ph)
- int ppl_new_Z_Box_from_Octagonal_Shape_long_double (ppl_Z_Box_t *pph, ppl_const_Octagonal_Shape_long_double_t ph)
- int ppl_new_Z_Box_from_Int8_Box_with_complexity (ppl_Z_Box_t *pph, ppl_const_Int8_Box_t ph, int complexity)
- int ppl_new_Z_Box_from_Int16_Box_with_complexity (ppl_Z_Box_t *pph, ppl_const_Int16_Box_t ph, int complexity)
- int ppl_new_Z_Box_from_Int32_Box_with_complexity (ppl_Z_Box_t *pph, ppl_const_Int32_Box_t ph, int complexity)

- int ppl_new_Z_Box_from_Int64_Box_with_complexity (ppl_Z_Box_t *pph, ppl_const_Int64_-Box_t ph, int complexity)
- int ppl_new_Z_Box_from_Uint8_Box_with_complexity (ppl_Z_Box_t *pph, ppl_const_Uint8_-Box_t ph, int complexity)
- int ppl_new_Z_Box_from_Uint16_Box_with_complexity (ppl_Z_Box_t *pph, ppl_const_Uint16_-Box_t ph, int complexity)
- int ppl_new_Z_Box_from_Uint32_Box_with_complexity (ppl_Z_Box_t *pph, ppl_const_Uint32_-Box_t ph, int complexity)
- int ppl_new_Z_Box_from_Uint64_Box_with_complexity (ppl_Z_Box_t *pph, ppl_const_Uint64_-Box_t ph, int complexity)
- int ppl_new_Z_Box_from_Z_Box_with_complexity (ppl_Z_Box_t *pph, ppl_const_Z_Box_t ph, int complexity)
- int ppl_new_Z_Box_from_Rational_Box_with_complexity (ppl_Z_Box_t *pph, ppl_const_-Rational_Box_t ph, int complexity)
- int ppl_new_Z_Box_from_BD_Shape_int8_t_with_complexity (ppl_Z_Box_t *pph, ppl_const_-BD_Shape_int8_t_t ph, int complexity)
- int ppl_new_Z_Box_from_BD_Shape_int16_t_with_complexity (ppl_Z_Box_t *pph, ppl_const_-BD_Shape_int16_t_t ph, int complexity)
- int ppl_new_Z_Box_from_BD_Shape_int32_t_with_complexity (ppl_Z_Box_t *pph, ppl_const_-BD_Shape_int32_t_t ph, int complexity)
- int ppl_new_Z_Box_from_BD_Shape_int64_t_with_complexity (ppl_Z_Box_t *pph, ppl_const_-BD_Shape_int64_t_t ph, int complexity)
- int ppl_new_Z_Box_from_BD_Shape_mpz_class_with_complexity (ppl_Z_Box_t *pph, ppl_-const_BD_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Z_Box_from_BD_Shape_mpq_class_with_complexity (ppl_Z_Box_t *pph, ppl_-const_BD_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Z_Box_from_Octagonal_Shape_int8_t_with_complexity (ppl_Z_Box_t *pph, ppl_-const_Octagonal_Shape_int8_t_t ph, int complexity)
- int ppl_new_Z_Box_from_Octagonal_Shape_int16_t_with_complexity (ppl_Z_Box_t *pph, ppl_-const_Octagonal_Shape_int16_t_t ph, int complexity)
- int ppl_new_Z_Box_from_Octagonal_Shape_int32_t_with_complexity (ppl_Z_Box_t *pph, ppl_-const_Octagonal_Shape_int32_t_t ph, int complexity)
- int ppl_new_Z_Box_from_Octagonal_Shape_int64_t_with_complexity (ppl_Z_Box_t *pph, ppl_-const_Octagonal_Shape_int64_t_t ph, int complexity)
- int ppl_new_Z_Box_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Z_Box_t *pph, ppl_const_Octagonal_Shape_mpz_class_t ph, int complexity)
- int ppl_new_Z_Box_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Z_Box_t *pph, ppl_const_Octagonal_Shape_mpq_class_t ph, int complexity)
- int ppl_new_Z_Box_from_C_Polyhedron_with_complexity (ppl_Z_Box_t *pph, ppl_const_-Polyhedron_t ph, int complexity)
- int ppl_new_Z_Box_from_NNC_Polyhedron_with_complexity (ppl_Z_Box_t *pph, ppl_const_-Polyhedron_t ph, int complexity)
- int ppl_new_Z_Box_from_Grid_with_complexity (ppl_Z_Box_t *pph, ppl_const_Grid_t ph, int complexity)
- int ppl_new_Z_Box_from_Float_Box_with_complexity (ppl_Z_Box_t *pph, ppl_const_Float_-Box_t ph, int complexity)
- int ppl_new_Z_Box_from_BD_Shape_float_with_complexity (ppl_Z_Box_t *pph, ppl_const_BD_-Shape_float_t ph, int complexity)
- int ppl_new_Z_Box_from_Octagonal_Shape_float_with_complexity (ppl_Z_Box_t *pph, ppl_-const_Octagonal_Shape_float_t ph, int complexity)
- int ppl_new_Z_Box_from_Double_Box_with_complexity (ppl_Z_Box_t *pph, ppl_const_Double_-Box_t ph, int complexity)

- int ppl_new_Z_Box_from_BD_Shape_double_with_complexity (ppl_Z_Box_t *pph, ppl_const_BD_Shape_double_t ph, int complexity)
- int ppl_new_Z_Box_from_Octagonal_Shape_double_with_complexity (ppl_Z_Box_t *pph, ppl_const_Octagonal_Shape_double_t ph, int complexity)
- int ppl_new_Z_Box_from_Long_Double_Box_with_complexity (ppl_Z_Box_t *pph, ppl_const_Long_Double_Box_t ph, int complexity)
- int ppl_new_Z_Box_from_BD_Shape_long_double_with_complexity (ppl_Z_Box_t *pph, ppl_const_BD_Shape_long_double_t ph, int complexity)
- int ppl_new_Z_Box_from_Octagonal_Shape_long_double_with_complexity (ppl_Z_Box_t *pph, ppl_const_Octagonal_Shape_long_double_t ph, int complexity)
- int ppl_new_Z_Box_from_Constraint_System (ppl_Z_Box_t *pph, ppl_const_Constraint_System_t cs)
- int ppl_new_Z_Box_from_Congruence_System (ppl_Z_Box_t *pph, ppl_const_Congruence_System_t cs)
- int ppl_new_Z_Box_from_Generator_System (ppl_Z_Box_t *pph, ppl_const_Generator_System_t cs)
- int ppl_Z_Box_space_dimension (ppl_const_Z_Box_t ph, ppl_dimension_type *m)
- int ppl_Z_Box_affine_dimension (ppl_const_Z_Box_t ph, ppl_dimension_type *m)
- int ppl_Z_Box_relation_with_Constraint (ppl_const_Z_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Z_Box_relation_with_Generator (ppl_const_Z_Box_t ph, ppl_const_Generator_t c)
- int ppl_Z_Box_relation_with_Congruence (ppl_const_Z_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Z_Box_get_constraints (ppl_const_Z_Box_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Z_Box_get_congruences (ppl_const_Z_Box_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Z_Box_get_minimized_constraints (ppl_const_Z_Box_t ph, ppl_const_Constraint_System_t *pcs)
- int ppl_Z_Box_get_minimized_congruences (ppl_const_Z_Box_t ph, ppl_const_Congruence_System_t *pcs)
- int ppl_Z_Box_is_empty (ppl_const_Z_Box_t ph)
- int ppl_Z_Box_is_universe (ppl_const_Z_Box_t ph)
- int ppl_Z_Box_is_bounded (ppl_const_Z_Box_t ph)
- int ppl_Z_Box_contains_integer_point (ppl_const_Z_Box_t ph)
- int ppl_Z_Box_is_topologically_closed (ppl_const_Z_Box_t ph)
- int ppl_Z_Box_is_discrete (ppl_const_Z_Box_t ph)
- int ppl_Z_Box_topological_closure_assign (ppl_Z_Box_t ph)
- int ppl_Z_Box_bounds_from_above (ppl_const_Z_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Z_Box_bounds_from_below (ppl_const_Z_Box_t ph, ppl_const_Linear_Expression_t le)
- int ppl_Z_Box_maximize (ppl_const_Z_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Z_Box_minimize (ppl_const_Z_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum)
- int ppl_Z_Box_maximize_with_point (ppl_const_Z_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Z_Box_minimize_with_point (ppl_const_Z_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_n, ppl_Coefficient_t ext_d, int *poptimum, ppl_Generator_t point)
- int ppl_Z_Box_frequency (ppl_const_Z_Box_t ph, ppl_const_Linear_Expression_t le, ppl_Coefficient_t ext_fn, ppl_Coefficient_t ext_fd, ppl_Coefficient_t ext_vn, ppl_Coefficient_t ext_vd)
- int ppl_Z_Box_contains_Z_Box (ppl_const_Z_Box_t x, ppl_const_Z_Box_t y)
- int ppl_Z_Box_strictly_contains_Z_Box (ppl_const_Z_Box_t x, ppl_const_Z_Box_t y)
- int ppl_Z_Box_is_disjoint_from_Z_Box (ppl_const_Z_Box_t x, ppl_const_Z_Box_t y)
- int ppl_Z_Box_equals_Z_Box (ppl_const_Z_Box_t x, ppl_const_Z_Box_t y)
- int ppl_Z_Box_OK (ppl_const_Z_Box_t ph)

- int ppl_Z_Box_add_constraint (ppl_Z_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Z_Box_add_congruence (ppl_Z_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Z_Box_add_constraints (ppl_Z_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Z_Box_add_congruences (ppl_Z_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Z_Box_refine_with_constraint (ppl_Z_Box_t ph, ppl_const_Constraint_t c)
- int ppl_Z_Box_refine_with_congruence (ppl_Z_Box_t ph, ppl_const_Congruence_t c)
- int ppl_Z_Box_refine_with_constraints (ppl_Z_Box_t ph, ppl_const_Constraint_System_t cs)
- int ppl_Z_Box_refine_with_congruences (ppl_Z_Box_t ph, ppl_const_Congruence_System_t cs)
- int ppl_Z_Box_intersection_assign (ppl_Z_Box_t x, ppl_const_Z_Box_t y)
- int ppl_Z_Box_upper_bound_assign (ppl_Z_Box_t x, ppl_const_Z_Box_t y)
- int ppl_Z_Box_difference_assign (ppl_Z_Box_t x, ppl_const_Z_Box_t y)
- int ppl_Z_Box_concatenate_assign (ppl_Z_Box_t x, ppl_const_Z_Box_t y)
- int ppl_Z_Box_time_elapse_assign (ppl_Z_Box_t x, ppl_const_Z_Box_t y)
- int ppl_Z_Box_upper_bound_assign_if_exact (ppl_Z_Box_t x, ppl_const_Z_Box_t y)
- int ppl_Z_Box_simplify_using_context_assign (ppl_Z_Box_t x, ppl_const_Z_Box_t y)
- int ppl_Z_Box_constrains (ppl_Z_Box_t ph, ppl_dimension_type var)
- int ppl_Z_Box_unconstrain_space_dimension (ppl_Z_Box_t ph, ppl_dimension_type var)
- int ppl_Z_Box_unconstrain_space_dimensions (ppl_Z_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Z_Box_affine_image (ppl_Z_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Z_Box_affine_preimage (ppl_Z_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Z_Box_bounded_affine_image (ppl_Z_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Z_Box_bounded_affine_preimage (ppl_Z_Box_t ph, ppl_dimension_type var, ppl_const_Linear_Expression_t lb, ppl_const_Linear_Expression_t ub, ppl_const_Coefficient_t d)
- int ppl_Z_Box_generalized_affine_image (ppl_Z_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Z_Box_generalized_affine_preimage (ppl_Z_Box_t ph, ppl_dimension_type var, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t le, ppl_const_Coefficient_t d)
- int ppl_Z_Box_generalized_affine_image_lhs_rhs (ppl_Z_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Z_Box_generalized_affine_preimage_lhs_rhs (ppl_Z_Box_t ph, ppl_const_Linear_Expression_t lhs, enum ppl_enum_Constraint_Type relsym, ppl_const_Linear_Expression_t rhs)
- int ppl_Z_Box_add_space_dimensions_and_embed (ppl_Z_Box_t ph, ppl_dimension_type d)
- int ppl_Z_Box_add_space_dimensions_and_project (ppl_Z_Box_t ph, ppl_dimension_type d)
- int ppl_Z_Box_remove_space_dimensions (ppl_Z_Box_t ph, ppl_dimension_type ds[ ], size_t n)
- int ppl_Z_Box_remove_higher_space_dimensions (ppl_Z_Box_t ph, ppl_dimension_type d)
- int ppl_Z_Box_expand_space_dimension (ppl_Z_Box_t ph, ppl_dimension_type d, ppl_dimension_type m)
- int ppl_Z_Box_fold_space_dimensions (ppl_Z_Box_t ph, ppl_dimension_type ds[ ], size_t n, ppl_dimension_type d)
- int ppl_Z_Box_map_space_dimensions (ppl_Z_Box_t ph, ppl_dimension_type maps[ ], size_t n)
- int ppl_Z_Box_drop_some_non_integer_points (ppl_Z_Box_t ph, int complexity)
- int ppl_Z_Box_drop_some_non_integer_points_2 (ppl_Z_Box_t ph, ppl_dimension_type ds[ ], size_t n, int complexity)
- int ppl_Z_Box_external_memory_in_bytes (ppl_const_Z_Box_t ps, size_t *sz)
- int ppl_Z_Box_total_memory_in_bytes (ppl_const_Z_Box_t ps, size_t *sz)

- int ppl_Z_Box_CC76_widening_assign_with_tokens (ppl_Z_Box_t x, ppl_const_Z_Box_t y, unsigned *tp)
- int ppl_Z_Box_CC76_widening_assign (ppl_Z_Box_t x, ppl_const_Z_Box_t y)
- int ppl_Z_Box_widening_assign_with_tokens (ppl_Z_Box_t x, ppl_const_Z_Box_t y, unsigned *tp)
- int ppl_Z_Box_widening_assign (ppl_Z_Box_t x, ppl_const_Z_Box_t y)
- int ppl_Z_Box_limited_CC76_extrapolation_assign_with_tokens (ppl_Z_Box_t x, ppl_const_Z_Box_t y, ppl_const_Constraint_System_t cs, unsigned *tp)
- int ppl_Z_Box_limited_CC76_extrapolation_assign (ppl_Z_Box_t x, ppl_const_Z_Box_t y, ppl_const_Constraint_System_t cs)
- int ppl_Z_Box_linear_partition (ppl_const_Z_Box_t x, ppl_const_Z_Box_t y, ppl_Z_Box_t *p_inters, ppl_Pointset_Powerset_NNC_Polyhedron_t *p_rest)
- int ppl_Z_Box_wrap_assign (ppl_Z_Box_t ph, ppl_dimension_type ds[ ], size_t n, enum ppl_enum_Bounded_Integer_Type_Width w, enum ppl_enum_Bounded_Integer_Type_Representation r, enum ppl_enum_Bounded_Integer_Type_Overflow o, const ppl_const_Constraint_System_t *pcs, unsigned complexity_threshold, int wrap_individually)
- int ppl_new_Z_Box_recycle_Constraint_System (ppl_Z_Box_t *pph, ppl_Constraint_System_t cs)
- int ppl_new_Z_Box_recycle_Congruence_System (ppl_Z_Box_t *pph, ppl_Congruence_System_t cs)
- int ppl_new_Z_Box_recycle_Generator_System (ppl_Z_Box_t *pph, ppl_Generator_System_t cs)
- int ppl_assign_Z_Box_from_Z_Box (ppl_Z_Box_t dst, ppl_const_Z_Box_t src)
- int ppl_Z_Box_add_recycled_constraints (ppl_Z_Box_t ph, ppl_Constraint_System_t cs)
- int ppl_Z_Box_add_recycled_congruences (ppl_Z_Box_t ph, ppl_Congruence_System_t cs)
- int ppl_termination_test_MS_Z_Box (ppl_const_Z_Box_t pset)
- int ppl_termination_test_PR_Z_Box (ppl_const_Z_Box_t pset)
- int ppl_one_affine_ranking_function_MS_Z_Box (ppl_const_Z_Box_t pset, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Z_Box (ppl_const_Z_Box_t pset, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Z_Box (ppl_const_Z_Box_t pset, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Z_Box (ppl_const_Z_Box_t pset, ppl_Polyhedron_t ph)
- int ppl_termination_test_MS_Z_Box_2 (ppl_const_Z_Box_t pset_before, ppl_const_Z_Box_t pset_after)
- int ppl_termination_test_PR_Z_Box_2 (ppl_const_Z_Box_t pset_before, ppl_const_Z_Box_t pset_after)
- int ppl_one_affine_ranking_function_MS_Z_Box_2 (ppl_const_Z_Box_t pset_before, ppl_const_Z_Box_t pset_after, ppl_Generator_t point)
- int ppl_one_affine_ranking_function_PR_Z_Box_2 (ppl_const_Z_Box_t pset_before, ppl_const_Z_Box_t pset_after, ppl_Generator_t point)
- int ppl_all_affine_ranking_functions_MS_Z_Box_2 (ppl_const_Z_Box_t pset_before, ppl_const_Z_Box_t pset_after, ppl_Polyhedron_t ph)
- int ppl_all_affine_ranking_functions_PR_Z_Box_2 (ppl_const_Z_Box_t pset_before, ppl_const_Z_Box_t pset_after, ppl_Polyhedron_t ph)
- int ppl_io_print_Z_Box (ppl_const_Z_Box_t x)
- int ppl_io_fprint_Z_Box (FILE *stream, ppl_const_Z_Box_t x)
- int ppl_io_asprint_Z_Box (char **strp, ppl_const_Z_Box_t x)
- int ppl_Z_Box_ascii_dump (ppl_const_Z_Box_t x, FILE *stream)
- int ppl_Z_Box_ascii_load (ppl_Z_Box_t x, FILE *stream)

7.160.1 Detailed Description

Types and functions for ppl_Z_Box_tag.

7.160.2 Friends And Related Function Documentation

7.160.2.1 int ppl_delete_Z_Box (ppl_const_Z_Box_t *ph*) [related]

7.160.2.2 int ppl_new_Z_Box_from_space_dimension (ppl_Z_Box_t * *pph*, ppl_dimension_type *d*, int *empty*) [related]

7.160.2.3 int ppl_new_Z_Box_from_Int8_Box (ppl_Z_Box_t * *pph*, ppl_const_Int8_Box_t *ph*) [related]

7.160.2.4 int ppl_new_Z_Box_from_Int16_Box (ppl_Z_Box_t * *pph*, ppl_const_Int16_Box_t *ph*) [related]

7.160.2.5 int ppl_new_Z_Box_from_Int32_Box (ppl_Z_Box_t * *pph*, ppl_const_Int32_Box_t *ph*) [related]

7.160.2.6 int ppl_new_Z_Box_from_Int64_Box (ppl_Z_Box_t * *pph*, ppl_const_Int64_Box_t *ph*) [related]

7.160.2.7 int ppl_new_Z_Box_from_Uint8_Box (ppl_Z_Box_t * *pph*, ppl_const_Uint8_Box_t *ph*) [related]

7.160.2.8 int ppl_new_Z_Box_from_Uint16_Box (ppl_Z_Box_t * *pph*, ppl_const_Uint16_Box_t *ph*) [related]

7.160.2.9 int ppl_new_Z_Box_from_Uint32_Box (ppl_Z_Box_t * *pph*, ppl_const_Uint32_Box_t *ph*) [related]

7.160.2.10 int ppl_new_Z_Box_from_Uint64_Box (ppl_Z_Box_t * *pph*, ppl_const_Uint64_Box_t *ph*) [related]

7.160.2.11 int ppl_new_Z_Box_from_Z_Box (ppl_Z_Box_t * *pph*, ppl_const_Z_Box_t *ph*) [related]

7.160.2.12 int ppl_new_Z_Box_from_Rational_Box (ppl_Z_Box_t * *pph*, ppl_const_Rational_Box_t *ph*) [related]

7.160.2.13 int ppl_new_Z_Box_from_BD_Shape_int8_t (ppl_Z_Box_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*) [related]

7.160.2.14 int ppl_new_Z_Box_from_BD_Shape_int16_t (ppl_Z_Box_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*) [related]

7.160.2.15 int ppl_new_Z_Box_from_BD_Shape_int32_t (ppl_Z_Box_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*) [related]

7.160.2.16 int ppl_new_Z_Box_from_BD_Shape_int64_t (ppl_Z_Box_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*) [related]

7.160.2.17 int ppl_new_Z_Box_from_BD_Shape_mpz_class (ppl_Z_Box_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*) [related]

7.160.2.18 int ppl_new_Z_Box_from_BD_Shape_mpq_class (ppl_Z_Box_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*) [related]

7.160.2.19 int ppl_new_Z_Box_from_Octagonal_Shape_int8_t (ppl_Z_Box_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*) [related]

7.160.2.20 int ppl_new_Z_Box_from_Octagonal_Shape_int16_t (ppl_Z_Box_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*) [related]

7.160.2.21 int ppl_new_Z_Box_from_Octagonal_Shape_int32_t (ppl_Z_Box_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*) [related]

7.160.2.22 int ppl_new_Z_Box_from_Octagonal_Shape_int64_t (ppl_Z_Box_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*) [related]

7.160.2.23 int ppl_new_Z_Box_from_Octagonal_Shape_mpz_class (ppl_Z_Box_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*) [related]

7.160.2.24 int ppl_new_Z_Box_from_Octagonal_Shape_mpq_class (ppl_Z_Box_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*) [related]

7.160.2.25 int ppl_new_Z_Box_from_C_Polyhedron (ppl_Z_Box_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.160.2.26 int ppl_new_Z_Box_from_NNC_Polyhedron (ppl_Z_Box_t * *pph*, ppl_const_Polyhedron_t *ph*) [related]

7.160.2.27 int ppl_new_Z_Box_from_Grid (ppl_Z_Box_t * *pph*, ppl_const_Grid_t *ph*) [related]

7.160.2.28 int ppl_new_Z_Box_from_Float_Box (ppl_Z_Box_t * *pph*, ppl_const_Float_Box_t *ph*) [related]

7.160.2.29 int ppl_new_Z_Box_from_BD_Shape_float (ppl_Z_Box_t * *pph*, ppl_const_BD_Shape_float_t *ph*) [related]

7.160.2.30 int ppl_new_Z_Box_from_Octagonal_Shape_float (ppl_Z_Box_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*) [related]

7.160.2.31 int ppl_new_Z_Box_from_Double_Box (ppl_Z_Box_t * *pph*, ppl_const_Double_Box_t *ph*) [related]

7.160.2.32 int ppl_new_Z_Box_from_BD_Shape_double (ppl_Z_Box_t * *pph*, ppl_const_BD_Shape_double_t *ph*) [related]

7.160.2.33 int ppl_new_Z_Box_from_Octagonal_Shape_double (ppl_Z_Box_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*) [related]

7.160.2.34 int ppl_new_Z_Box_from_Long_Double_Box (ppl_Z_Box_t * *pph*, ppl_const_Long_Double_Box_t *ph*) [related]

7.160.2.35 int ppl_new_Z_Box_from_BD_Shape_long_double (ppl_Z_Box_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*) [related]

7.160.2.36 int ppl_new_Z_Box_from_Octagonal_Shape_long_double (ppl_Z_Box_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*) [related]

7.160.2.37 int ppl_new_Z_Box_from_Int8_Box_with_complexity (ppl_Z_Box_t * *pph*, ppl_const_Int8_Box_t *ph*, int *complexity*) [related]

7.160.2.38 int ppl_new_Z_Box_from_Int16_Box_with_complexity (ppl_Z_Box_t * *pph*, ppl_const_Int16_Box_t *ph*, int *complexity*) [related]

7.160.2.39 int ppl_new_Z_Box_from_Int32_Box_with_complexity (ppl_Z_Box_t * *pph*, ppl_const_Int32_Box_t *ph*, int *complexity*) [related]

7.160.2.40 int ppl_new_Z_Box_from_Int64_Box_with_complexity (ppl_Z_Box_t * *pph*, ppl_const_Int64_Box_t *ph*, int *complexity*) [related]

7.160.2.41 int ppl_new_Z_Box_from_Uint8_Box_with_complexity (ppl_Z_Box_t * *pph*, ppl_const_Uint8_Box_t *ph*, int *complexity*) [related]

7.160.2.42 int ppl_new_Z_Box_from_Uint16_Box_with_complexity (ppl_Z_Box_t * *pph*, ppl_const_Uint16_Box_t *ph*, int *complexity*) [related]

7.160.2.43 int ppl_new_Z_Box_from_Uint32_Box_with_complexity (ppl_Z_Box_t * *pph*, ppl_const_Uint32_Box_t *ph*, int *complexity*) [related]

7.160.2.44 int ppl_new_Z_Box_from_Uint64_Box_with_complexity (ppl_Z_Box_t * *pph*, ppl_const_Uint64_Box_t *ph*, int *complexity*) [related]

7.160.2.45 int ppl_new_Z_Box_from_Z_Box_with_complexity (ppl_Z_Box_t * *pph*, ppl_const_Z_Box_t *ph*, int *complexity*) [related]

7.160.2.46 int ppl_new_Z_Box_from_Rational_Box_with_complexity (ppl_Z_Box_t * *pph*, ppl_const_Rational_Box_t *ph*, int *complexity*) [related]

7.160.2.47 int ppl_new_Z_Box_from_BD_Shape_int8_t_with_complexity (ppl_Z_Box_t * *pph*, ppl_const_BD_Shape_int8_t_t *ph*, int *complexity*) [related]

7.160.2.48 int ppl_new_Z_Box_from_BD_Shape_int16_t_with_complexity (ppl_Z_Box_t * *pph*, ppl_const_BD_Shape_int16_t_t *ph*, int *complexity*) [related]

7.160.2.49 int ppl_new_Z_Box_from_BD_Shape_int32_t_with_complexity (ppl_Z_Box_t * *pph*, ppl_const_BD_Shape_int32_t_t *ph*, int *complexity*) [related]

7.160.2.50 int ppl_new_Z_Box_from_BD_Shape_int64_t_with_complexity (ppl_Z_Box_t * *pph*, ppl_const_BD_Shape_int64_t_t *ph*, int *complexity*) [related]

7.160.2.51 int ppl_new_Z_Box_from_BD_Shape_mpz_class_with_complexity (ppl_Z_Box_t * *pph*, ppl_const_BD_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.160.2.52 int ppl_new_Z_Box_from_BD_Shape_mpq_class_with_complexity (ppl_Z_Box_t * *pph*, ppl_const_BD_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.160.2.53 int ppl_new_Z_Box_from_Octagonal_Shape_int8_t_with_complexity (ppl_Z_Box_t * *pph*, ppl_const_Octagonal_Shape_int8_t_t *ph*, int *complexity*) [related]

7.160.2.54 int ppl_new_Z_Box_from_Octagonal_Shape_int16_t_with_complexity (ppl_Z_Box_t * *pph*, ppl_const_Octagonal_Shape_int16_t_t *ph*, int *complexity*) [related]

7.160.2.55 int ppl_new_Z_Box_from_Octagonal_Shape_int32_t_with_complexity (ppl_Z_Box_t * *pph*, ppl_const_Octagonal_Shape_int32_t_t *ph*, int *complexity*) [related]

7.160.2.56 int ppl_new_Z_Box_from_Octagonal_Shape_int64_t_with_complexity (ppl_Z_Box_t * *pph*, ppl_const_Octagonal_Shape_int64_t_t *ph*, int *complexity*) [related]

7.160.2.57 int ppl_new_Z_Box_from_Octagonal_Shape_mpz_class_with_complexity (ppl_Z_Box_t * *pph*, ppl_const_Octagonal_Shape_mpz_class_t *ph*, int *complexity*) [related]

7.160.2.58 int ppl_new_Z_Box_from_Octagonal_Shape_mpq_class_with_complexity (ppl_Z_Box_t * *pph*, ppl_const_Octagonal_Shape_mpq_class_t *ph*, int *complexity*) [related]

7.160.2.59 int ppl_new_Z_Box_from_C_Polyhedron_with_complexity (ppl_Z_Box_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.160.2.60 int ppl_new_Z_Box_from_NNC_Polyhedron_with_complexity (ppl_Z_Box_t * *pph*, ppl_const_Polyhedron_t *ph*, int *complexity*) [related]

7.160.2.61 int ppl_new_Z_Box_from_Grid_with_complexity (ppl_Z_Box_t * *pph*, ppl_const_Grid_t *ph*, int *complexity*) [related]

7.160.2.62 int ppl_new_Z_Box_from_Float_Box_with_complexity (ppl_Z_Box_t * *pph*, ppl_const_Float_Box_t *ph*, int *complexity*) [related]

7.160.2.63 int ppl_new_Z_Box_from_BD_Shape_float_with_complexity (ppl_Z_Box_t * *pph*, ppl_const_BD_Shape_float_t *ph*, int *complexity*) [related]

7.160.2.64 int ppl_new_Z_Box_from_Octagonal_Shape_float_with_complexity (ppl_Z_Box_t * *pph*, ppl_const_Octagonal_Shape_float_t *ph*, int *complexity*) [related]

7.160.2.65 int ppl_new_Z_Box_from_Double_Box_with_complexity (ppl_Z_Box_t * *pph*, ppl_const_Double_Box_t *ph*, int *complexity*) [related]

7.160.2.66 int ppl_new_Z_Box_from_BD_Shape_double_with_complexity (ppl_Z_Box_t * *pph*, ppl_const_BD_Shape_double_t *ph*, int *complexity*) [related]

7.160.2.67 int ppl_new_Z_Box_from_Octagonal_Shape_double_with_complexity (ppl_Z_Box_t * *pph*, ppl_const_Octagonal_Shape_double_t *ph*, int *complexity*) [related]

7.160.2.68 int ppl_new_Z_Box_from_Long_Double_Box_with_complexity (ppl_Z_Box_t * *pph*, ppl_const_Long_Double_Box_t *ph*, int *complexity*) [related]

7.160.2.69 int ppl_new_Z_Box_from_BD_Shape_long_double_with_complexity (ppl_Z_Box_t * *pph*, ppl_const_BD_Shape_long_double_t *ph*, int *complexity*) [related]

7.160.2.70 int ppl_new_Z_Box_from_Octagonal_Shape_long_double_with_complexity (ppl_Z_Box_t * *pph*, ppl_const_Octagonal_Shape_long_double_t *ph*, int *complexity*) [related]

7.160.2.71 int ppl_new_Z_Box_from_Constraint_System (ppl_Z_Box_t * *pph*, ppl_const_Constraint_System_t *cs*) [related]

7.160.2.72 int ppl_new_Z_Box_from_Congruence_System (ppl_Z_Box_t * *pph*, ppl_const_Congruence_System_t *cs*) [related]

7.160.2.73 int ppl_new_Z_Box_from_Generator_System (ppl_Z_Box_t * *pph*, ppl_const_Generator_System_t *cs*) [related]

7.160.2.74 int ppl_Z_Box_space_dimension (ppl_const_Z_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.160.2.75 int ppl_Z_Box_affine_dimension (ppl_const_Z_Box_t *ph*, ppl_dimension_type * *m*) [related]

7.160.2.76 int ppl_Z_Box_relation_with_Constraint (ppl_const_Z_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.160.2.77 int ppl_Z_Box_relation_with_Generator (ppl_const_Z_Box_t *ph*, ppl_const_Generator_t *c*) [related]

7.160.2.78 int ppl_Z_Box_relation_with_Congruence (ppl_const_Z_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.160.2.79 int ppl_Z_Box_get_constraints (ppl_const_Z_Box_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.160.2.80 int ppl_Z_Box_get_congruences (ppl_const_Z_Box_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.160.2.81 int ppl_Z_Box_get_minimized_constraints (ppl_const_Z_Box_t *ph*, ppl_const_Constraint_System_t * *pcs*) [related]

7.160.2.82 int ppl_Z_Box_get_minimized_congruences (ppl_const_Z_Box_t *ph*, ppl_const_Congruence_System_t * *pcs*) [related]

7.160.2.83 int ppl_Z_Box_is_empty (ppl_const_Z_Box_t *ph*) [related]

7.160.2.84 int ppl_Z_Box_is_universe (ppl_const_Z_Box_t *ph*) [related]

7.160.2.85 int ppl_Z_Box_is_bounded (ppl_const_Z_Box_t *ph*) [related]

7.160.2.86 int ppl_Z_Box_contains_integer_point (ppl_const_Z_Box_t *ph*) [related]

7.160.2.87 int ppl_Z_Box_is_topologically_closed (ppl_const_Z_Box_t *ph*) [related]

7.160.2.88 int ppl_Z_Box_is_discrete (ppl_const_Z_Box_t *ph*) [related]

7.160.2.89 int ppl_Z_Box_topological_closure_assign (ppl_Z_Box_t *ph*) [related]

7.160.2.90 int ppl_Z_Box_bounds_from_above (ppl_const_Z_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.160.2.91 int ppl_Z_Box_bounds_from_below (ppl_const_Z_Box_t *ph*, ppl_const_Linear_Expression_t *le*) [related]

7.160.2.92 int ppl_Z_Box_maximize (ppl_const_Z_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.160.2.93 int ppl_Z_Box_minimize (ppl_const_Z_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*) [related]

7.160.2.94 int ppl_Z_Box_maximize_with_point (ppl_const_Z_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.160.2.95 int ppl_Z_Box_minimize_with_point (ppl_const_Z_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_n*, ppl_Coefficient_t *ext_d*, int * *poptimum*, ppl_Generator_t *point*) [related]

7.160.2.96 int ppl_Z_Box_frequency (ppl_const_Z_Box_t *ph*, ppl_const_Linear_Expression_t *le*, ppl_Coefficient_t *ext_fn*, ppl_Coefficient_t *ext_fd*, ppl_Coefficient_t *ext_vn*, ppl_Coefficient_t *ext_vd*) [related]

7.160.2.97 int ppl_Z_Box_contains_Z_Box (ppl_const_Z_Box_t *x*, ppl_const_Z_Box_t *y*) [related]

7.160.2.98 int ppl_Z_Box_strictly_contains_Z_Box (ppl_const_Z_Box_t *x*, ppl_const_Z_Box_t *y*) [related]

7.160.2.99 int ppl_Z_Box_is_disjoint_from_Z_Box (ppl_const_Z_Box_t *x*, ppl_const_Z_Box_t *y*) [related]

7.160.2.100 int ppl_Z_Box_equals_Z_Box (ppl_const_Z_Box_t *x*, ppl_const_Z_Box_t *y*) [related]

7.160.2.101 int ppl_Z_Box_OK (ppl_const_Z_Box_t *ph*) [related]

7.160.2.102 int ppl_Z_Box_add_constraint (ppl_Z_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.160.2.103 int ppl_Z_Box_add_congruence (ppl_Z_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.160.2.104 int ppl_Z_Box_add_constraints (ppl_Z_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.160.2.105 int ppl_Z_Box_add_congruences (ppl_Z_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.160.2.106 int ppl_Z_Box_refine_with_constraint (ppl_Z_Box_t *ph*, ppl_const_Constraint_t *c*) [related]

7.160.2.107 int ppl_Z_Box_refine_with_congruence (ppl_Z_Box_t *ph*, ppl_const_Congruence_t *c*) [related]

7.160.2.108 int ppl_Z_Box_refine_with_constraints (ppl_Z_Box_t *ph*, ppl_const_Constraint_System_t *cs*) [related]

7.160.2.109 int ppl_Z_Box_refine_with_congruences (ppl_Z_Box_t *ph*, ppl_const_Congruence_System_t *cs*) [related]

7.160.2.110 int ppl_Z_Box_intersection_assign (ppl_Z_Box_t *x*, ppl_const_Z_Box_t *y*) [related]

7.160.2.111 int ppl_Z_Box_upper_bound_assign (ppl_Z_Box_t *x*, ppl_const_Z_Box_t *y*) [related]

7.160.2.112 int ppl_Z_Box_difference_assign (ppl_Z_Box_t *x*, ppl_const_Z_Box_t *y*) [related]

7.160.2.113 int ppl_Z_Box_concatenate_assign (ppl_Z_Box_t *x*, ppl_const_Z_Box_t *y*) [related]

7.160.2.114 int ppl_Z_Box_time_elapse_assign (ppl_Z_Box_t *x*, ppl_const_Z_Box_t *y*) [related]

7.160.2.115 int ppl_Z_Box_upper_bound_assign_if_exact (ppl_Z_Box_t *x*, ppl_const_Z_Box_t *y*) [related]

7.160.2.116 int ppl_Z_Box_simplify_using_context_assign (ppl_Z_Box_t *x*, ppl_const_Z_Box_t *y*) [related]

7.160.2.117 int ppl_Z_Box_constrains (ppl_Z_Box_t *ph*, ppl_dimension_type *var*) [related]

7.160.2.118 int ppl_Z_Box_unconstrain_space_dimension (ppl_Z_Box_t *ph*, ppl_dimension_type *var*) [related]

7.160.2.119 int ppl_Z_Box_unconstrain_space_dimensions (ppl_Z_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.160.2.120 int ppl_Z_Box_affine_image (ppl_Z_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.160.2.121 int ppl_Z_Box_affine_preimage (ppl_Z_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.160.2.122 int ppl_Z_Box_bounded_affine_image (ppl_Z_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.160.2.123 int ppl_Z_Box_bounded_affine_preimage (ppl_Z_Box_t *ph*, ppl_dimension_type *var*, ppl_const_Linear_Expression_t *lb*, ppl_const_Linear_Expression_t *ub*, ppl_const_Coefficient_t *d*) [related]

7.160.2.124 int ppl_Z_Box_generalized_affine_image (ppl_Z_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.160.2.125 int ppl_Z_Box_generalized_affine_preimage (ppl_Z_Box_t *ph*, ppl_dimension_type *var*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *le*, ppl_const_Coefficient_t *d*) [related]

7.160.2.126 int ppl_Z_Box_generalized_affine_image_lhs_rhs (ppl_Z_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.160.2.127 int ppl_Z_Box_generalized_affine_preimage_lhs_rhs (ppl_Z_Box_t *ph*, ppl_const_Linear_Expression_t *lhs*, enum ppl_enum_Constraint_Type *relsym*, ppl_const_Linear_Expression_t *rhs*) [related]

7.160.2.128 int ppl_Z_Box_add_space_dimensions_and_embed (ppl_Z_Box_t *ph*, ppl_dimension_type *d*) [related]

7.160.2.129 int ppl_Z_Box_add_space_dimensions_and_project (ppl_Z_Box_t *ph*, ppl_dimension_type *d*) [related]

7.160.2.130 int ppl_Z_Box_remove_space_dimensions (ppl_Z_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*) [related]

7.160.2.131 int ppl_Z_Box_remove_higher_space_dimensions (ppl_Z_Box_t *ph*, ppl_dimension_type *d*) [related]

7.160.2.132 int ppl_Z_Box_expand_space_dimension (ppl_Z_Box_t *ph*, ppl_dimension_type *d*, ppl_dimension_type *m*) [related]

7.160.2.133 int ppl_Z_Box_fold_space_dimensions (ppl_Z_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, ppl_dimension_type *d*) [related]

7.160.2.134 int ppl_Z_Box_map_space_dimensions (ppl_Z_Box_t *ph*, ppl_dimension_type *maps*[ ], size_t *n*) [related]

7.160.2.135 int ppl_Z_Box_drop_some_non_integer_points (ppl_Z_Box_t *ph*, int *complexity*) [related]

7.160.2.136 int ppl_Z_Box_drop_some_non_integer_points_2 (ppl_Z_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, int *complexity*) [related]

7.160.2.137 int ppl_Z_Box_external_memory_in_bytes (ppl_const_Z_Box_t *ps*, size_t * *sz*) [related]

7.160.2.138 int ppl_Z_Box_total_memory_in_bytes (ppl_const_Z_Box_t *ps*, size_t * *sz*) [related]

7.160.2.139 int ppl_Z_Box_CC76_widening_assign_with_tokens (ppl_Z_Box_t *x*, ppl_const_Z_Box_t *y*, unsigned * *tp*) [related]

7.160.2.140 int ppl_Z_Box_CC76_widening_assign (ppl_Z_Box_t *x*, ppl_const_Z_Box_t *y*) [related]

7.160.2.141 int ppl_Z_Box_widening_assign_with_tokens (ppl_Z_Box_t *x*, ppl_const_Z_Box_t *y*, unsigned * *tp*) [related]

7.160.2.142 int ppl_Z_Box_widening_assign (ppl_Z_Box_t *x*, ppl_const_Z_Box_t *y*) [related]

7.160.2.143 int ppl_Z_Box_limited_CC76_extrapolation_assign_with_tokens (ppl_Z_Box_t *x*, ppl_const_Z_Box_t *y*, ppl_const_Constraint_System_t *cs*, unsigned * *tp*) [related]

7.160.2.144 int ppl_Z_Box_limited_CC76_extrapolation_assign (ppl_Z_Box_t *x*, ppl_const_Z_Box_t *y*, ppl_const_Constraint_System_t *cs*) [related]

7.160.2.145 int ppl_Z_Box_linear_partition (ppl_const_Z_Box_t *x*, ppl_const_Z_Box_t *y*, ppl_Z_Box_t * *p_inters*, ppl_Pointset_Powerset_NNC_Polyhedron_t * *p_rest*) [related]

7.160.2.146 int ppl_Z_Box_wrap_assign (ppl_Z_Box_t *ph*, ppl_dimension_type *ds*[ ], size_t *n*, enum ppl_enum_Bounded_Integer_Type_Width *w*, enum ppl_enum_Bounded_Integer_Type_Representation *r*, enum ppl_enum_Bounded_Integer_Type_Overflow *o*, const ppl_const_Constraint_System_t * *pcs*, unsigned *complexity_threshold*, int *wrap_individually*) [related]

7.160.2.147 int ppl_new_Z_Box_recycle_Constraint_System (ppl_Z_Box_t * *pph*, ppl_Constraint_System_t *cs*) [related]

7.160.2.148 int ppl_new_Z_Box_recycle_Congruence_System (ppl_Z_Box_t * *pph*, ppl_Congruence_System_t *cs*) [related]

7.160.2.149 int ppl_new_Z_Box_recycle_Generator_System (ppl_Z_Box_t * *pph*, ppl_Generator_System_t *cs*) [related]

7.160.2.150 int ppl_assign_Z_Box_from_Z_Box (ppl_Z_Box_t *dst*, ppl_const_Z_Box_t *src*) [related]

7.160.2.151 int ppl_Z_Box_add_recycled_constraints (ppl_Z_Box_t *ph*, ppl_Constraint_System_t *cs*) [related]

7.160.2.152 int ppl_Z_Box_add_recycled_congruences (ppl_Z_Box_t *ph*, ppl_Congruence_System_t *cs*) [related]

7.160.2.153 int ppl_termination_test_MS_Z_Box (ppl_const_Z_Box_t *pset*) [related]

7.160.2.154 int ppl_termination_test_PR_Z_Box (ppl_const_Z_Box_t *pset*) [related]

7.160.2.155 int ppl_one_affine_ranking_function_MS_Z_Box (ppl_const_Z_Box_t *pset*, ppl_Generator_t *point*) [related]

7.160.2.156 int ppl_one_affine_ranking_function_PR_Z_Box (ppl_const_Z_Box_t *pset*, ppl_Generator_t *point*) [related]

7.160.2.157 int ppl_all_affine_ranking_functions_MS_Z_Box (ppl_const_Z_Box_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.160.2.158 int ppl_all_affine_ranking_functions_PR_Z_Box (ppl_const_Z_Box_t *pset*, ppl_Polyhedron_t *ph*) [related]

7.160.2.159 int ppl_termination_test_MS_Z_Box_2 (ppl_const_Z_Box_t *pset_before*, ppl_const_Z_Box_t *pset_after*) [related]

7.160.2.160 int ppl_termination_test_PR_Z_Box_2 (ppl_const_Z_Box_t *pset_before*, ppl_const_Z_Box_t *pset_after*) [related]

7.160.2.161 int ppl_one_affine_ranking_function_MS_Z_Box_2 (ppl_const_Z_Box_t *pset_before*, ppl_const_Z_Box_t *pset_after*, ppl_Generator_t *point*) [related]

7.160.2.162 int ppl_one_affine_ranking_function_PR_Z_Box_2 (ppl_const_Z_Box_t *pset_before*, ppl_const_Z_Box_t *pset_after*, ppl_Generator_t *point*) [related]

7.160.2.163 int ppl_all_affine_ranking_functions_MS_Z_Box_2 (ppl_const_Z_Box_t *pset_before*, ppl_const_Z_Box_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.160.2.164 int ppl_all_affine_ranking_functions_PR_Z_Box_2 (ppl_const_Z_Box_t *pset_before*, ppl_const_Z_Box_t *pset_after*, ppl_Polyhedron_t *ph*) [related]

7.160.2.165 int ppl_io_print_Z_Box (ppl_const_Z_Box_t *x*) [related]

7.160.2.166 int ppl_io_fprint_Z_Box (FILE * *stream*, ppl_const_Z_Box_t *x*) [related]

7.160.2.167 int ppl_io_asprint_Z_Box (char ** *strp*, ppl_const_Z_Box_t *x*) [related]

7.160.2.168 int ppl_Z_Box_ascii_dump (ppl_const_Z_Box_t *x*, FILE * *stream*) [related]

7.160.2.169 int ppl_Z_Box_ascii_load (ppl_Z_Box_t *x*, FILE * *stream*) [related]

The documentation for this interface was generated from the following file:

- ppl_c.h

Index

C Language Interface, 25

Datatypes
- PPL_BITS_128, 58
- PPL_BITS_16, 58
- PPL_BITS_32, 58
- PPL_BITS_64, 58
- PPL_BITS_8, 58
- PPL_CONSTRAINT_TYPE_EQUAL, 57
- PPL_CONSTRAINT_TYPE_GREATER_-OR_EQUAL, 57
- PPL_CONSTRAINT_TYPE_GREATER_-THAN, 57
- PPL_CONSTRAINT_TYPE_LESS_OR_-EQUAL, 57
- PPL_CONSTRAINT_TYPE_LESS_THAN, 57
- PPL_GENERATOR_TYPE_CLOSURE_-POINT, 57
- PPL_GENERATOR_TYPE_LINE, 57
- PPL_GENERATOR_TYPE_POINT, 57
- PPL_GENERATOR_TYPE_RAY, 57
- PPL_GRID_GENERATOR_TYPE_LINE, 58
- PPL_GRID_GENERATOR_TYPE_-PARAMETER, 58
- PPL_GRID_GENERATOR_TYPE_POINT, 58
- PPL_OVERFLOW_IMPOSSIBLE, 59
- PPL_OVERFLOW_UNDEFINED, 58
- PPL_OVERFLOW_WRAPS, 58
- PPL_SIGNED_2_COMPLEMENT, 58
- PPL_UNSIGNED, 58
- ppl_enum_Bounded_Integer_Type_Overflow, 58
- ppl_enum_Bounded_Integer_Type_-Representation, 58
- ppl_enum_Bounded_Integer_Type_Width, 58
- ppl_enum_Constraint_Type, 57
- ppl_enum_Generator_Type, 57
- ppl_enum_Grid_Generator_Type, 57
- ppl_io_variable_output_function_type, 57
- ppl_io_wrap_string, 59

Error
- PPL_ARITHMETIC_OVERFLOW, 29
- PPL_ERROR_DOMAIN_ERROR, 29
- PPL_ERROR_INTERNAL_ERROR, 29
- PPL_ERROR_INVALID_ARGUMENT, 29
- PPL_ERROR_LENGTH_ERROR, 29
- PPL_ERROR_LOGIC_ERROR, 29
- PPL_ERROR_OUT_OF_MEMORY, 29
- PPL_ERROR_UNEXPECTED_ERROR, 29
- PPL_ERROR_UNKNOWN_STANDARD_-EXCEPTION, 29
- PPL_STDIO_ERROR, 29
- PPL_TIMEOUT_EXCEPTION, 29
- ppl_enum_error_code, 29
- ppl_set_error_handler, 30

Error Handling, 28

Handling, 30

Init
- ppl_finalize, 26
- ppl_initialize, 26
- ppl_restore_pre_PPL_rounding, 26
- ppl_set_irrational_precision, 27
- ppl_set_rounding_for_PPL, 26

Library Datatypes, 31
Library Initialization and Finalization, 25

PPL_ARITHMETIC_OVERFLOW
- Error, 29

PPL_BITS_128
- Datatypes, 58

PPL_BITS_16
- Datatypes, 58

PPL_BITS_32
- Datatypes, 58

PPL_BITS_64
- Datatypes, 58

PPL_BITS_8
- Datatypes, 58

PPL_CONSTRAINT_TYPE_EQUAL
- Datatypes, 57

PPL_CONSTRAINT_TYPE_GREATER_OR_-EQUAL
- Datatypes, 57

PPL_CONSTRAINT_TYPE_GREATER_THAN
- Datatypes, 57

PPL_CONSTRAINT_TYPE_LESS_OR_EQUAL
- Datatypes, 57

PPL_CONSTRAINT_TYPE_LESS_THAN
- Datatypes, 57

PPL_ERROR_DOMAIN_ERROR
- Error, 29

PPL_ERROR_INTERNAL_ERROR
- Error, 29

PPL_ERROR_INVALID_ARGUMENT
- Error, 29

PPL_ERROR_LENGTH_ERROR

Error, 29
PPL_ERROR_LOGIC_ERROR
Error, 29
PPL_ERROR_OUT_OF_MEMORY
Error, 29
PPL_ERROR_UNEXPECTED_ERROR
Error, 29
PPL_ERROR_UNKNOWN_STANDARD_EXCEPTION
Error, 29
PPL_GENERATOR_TYPE_CLOSURE_POINT
Datatypes, 57
PPL_GENERATOR_TYPE_LINE
Datatypes, 57
PPL_GENERATOR_TYPE_POINT
Datatypes, 57
PPL_GENERATOR_TYPE_RAY
Datatypes, 57
PPL_GRID_GENERATOR_TYPE_LINE
Datatypes, 58
PPL_GRID_GENERATOR_TYPE_PARAMETER
Datatypes, 58
PPL_GRID_GENERATOR_TYPE_POINT
Datatypes, 58
PPL_OVERFLOW_IMPOSSIBLE
Datatypes, 59
PPL_OVERFLOW_UNDEFINED
Datatypes, 58
PPL_OVERFLOW_WRAPS
Datatypes, 58
PPL_SIGNED_2_COMPLEMENT
Datatypes, 58
PPL_STDIO_ERROR
Error, 29
PPL_TIMEOUT_EXCEPTION
Error, 29
PPL_UNSIGNED
Datatypes, 58
ppl_all_affine_ranking_functions_MS_BD_Shape_double
ppl_BD_Shape_double_tag, 87
ppl_all_affine_ranking_functions_MS_BD_Shape_double_2
ppl_BD_Shape_double_tag, 88
ppl_all_affine_ranking_functions_MS_BD_Shape_float
ppl_BD_Shape_float_tag, 114
ppl_all_affine_ranking_functions_MS_BD_Shape_float_2
ppl_BD_Shape_float_tag, 115
ppl_all_affine_ranking_functions_MS_BD_Shape_int16_t
ppl_BD_Shape_int16_t_tag, 142
ppl_all_affine_ranking_functions_MS_BD_Shape_int16_t_2
ppl_BD_Shape_int16_t_tag, 143
ppl_all_affine_ranking_functions_MS_BD_Shape_int32_t
ppl_BD_Shape_int32_t_tag, 170
ppl_all_affine_ranking_functions_MS_BD_Shape_int32_t_2
ppl_BD_Shape_int32_t_tag, 170
ppl_all_affine_ranking_functions_MS_BD_Shape_int64_t
ppl_BD_Shape_int64_t_tag, 197
ppl_all_affine_ranking_functions_MS_BD_Shape_int64_t_2
ppl_BD_Shape_int64_t_tag, 198
ppl_all_affine_ranking_functions_MS_BD_Shape_int8_t
ppl_BD_Shape_int8_t_tag, 225
ppl_all_affine_ranking_functions_MS_BD_Shape_int8_t_2
ppl_BD_Shape_int8_t_tag, 225
ppl_all_affine_ranking_functions_MS_BD_Shape_long_double
ppl_BD_Shape_long_double_tag, 253
ppl_all_affine_ranking_functions_MS_BD_Shape_long_double_2
ppl_BD_Shape_long_double_tag, 254
ppl_all_affine_ranking_functions_MS_BD_Shape_mpq_class
ppl_BD_Shape_mpq_class_tag, 281
ppl_all_affine_ranking_functions_MS_BD_Shape_mpq_class_2
ppl_BD_Shape_mpq_class_tag, 282
ppl_all_affine_ranking_functions_MS_BD_Shape_mpz_class
ppl_BD_Shape_mpz_class_tag, 309
ppl_all_affine_ranking_functions_MS_BD_Shape_mpz_class_2
ppl_BD_Shape_mpz_class_tag, 310
ppl_all_affine_ranking_functions_MS_C_Polyhedron
ppl_Polyhedron_tag, 1565
ppl_all_affine_ranking_functions_MS_C_Polyhedron_2
ppl_Polyhedron_tag, 1567
ppl_all_affine_ranking_functions_MS_Double_Box
ppl_Double_Box_tag, 442
ppl_all_affine_ranking_functions_MS_Double_Box_2
ppl_Double_Box_tag, 443
ppl_all_affine_ranking_functions_MS_Float_Box
ppl_Float_Box_tag, 466

ppl_all_affine_ranking_functions_MS_Float_-
Box_2
ppl_Float_Box_tag, 467
ppl_all_affine_ranking_functions_MS_Grid
ppl_Grid_tag, 500
ppl_all_affine_ranking_functions_MS_Grid_2
ppl_Grid_tag, 501
ppl_all_affine_ranking_functions_MS_Int16_Box
ppl_Int16_Box_tag, 525
ppl_all_affine_ranking_functions_MS_Int16_-
Box_2
ppl_Int16_Box_tag, 525
ppl_all_affine_ranking_functions_MS_Int32_Box
ppl_Int32_Box_tag, 549
ppl_all_affine_ranking_functions_MS_Int32_-
Box_2
ppl_Int32_Box_tag, 550
ppl_all_affine_ranking_functions_MS_Int64_Box
ppl_Int64_Box_tag, 574
ppl_all_affine_ranking_functions_MS_Int64_-
Box_2
ppl_Int64_Box_tag, 574
ppl_all_affine_ranking_functions_MS_Int8_Box
ppl_Int8_Box_tag, 598
ppl_all_affine_ranking_functions_MS_Int8_Box_2
ppl_Int8_Box_tag, 599
ppl_all_affine_ranking_functions_MS_Long_-
Double_Box
ppl_Long_Double_Box_tag, 627
ppl_all_affine_ranking_functions_MS_Long_-
Double_Box_2
ppl_Long_Double_Box_tag, 628
ppl_all_affine_ranking_functions_MS_NNC_-
Polyhedron
ppl_Polyhedron_tag, 1566
ppl_all_affine_ranking_functions_MS_NNC_-
Polyhedron_2
ppl_Polyhedron_tag, 1567
ppl_all_affine_ranking_functions_MS_Octagonal_-
Shape_double
ppl_Octagonal_Shape_double_tag, 660
ppl_all_affine_ranking_functions_MS_Octagonal_-
Shape_double_2
ppl_Octagonal_Shape_double_tag, 661
ppl_all_affine_ranking_functions_MS_Octagonal_-
Shape_float
ppl_Octagonal_Shape_float_tag, 687
ppl_all_affine_ranking_functions_MS_Octagonal_-
Shape_float_2
ppl_Octagonal_Shape_float_tag, 688
ppl_all_affine_ranking_functions_MS_Octagonal_-
Shape_int16_t
ppl_Octagonal_Shape_int16_t_tag, 716
ppl_all_affine_ranking_functions_MS_Octagonal_-
Shape_int16_t_2
ppl_Octagonal_Shape_int16_t_tag, 716
ppl_all_affine_ranking_functions_MS_Octagonal_-
Shape_int32_t
ppl_Octagonal_Shape_int32_t_tag, 744
ppl_all_affine_ranking_functions_MS_Octagonal_-
Shape_int32_t_2
ppl_Octagonal_Shape_int32_t_tag, 745
ppl_all_affine_ranking_functions_MS_Octagonal_-
Shape_int64_t
ppl_Octagonal_Shape_int64_t_tag, 772
ppl_all_affine_ranking_functions_MS_Octagonal_-
Shape_int64_t_2
ppl_Octagonal_Shape_int64_t_tag, 773
ppl_all_affine_ranking_functions_MS_Octagonal_-
Shape_int8_t
ppl_Octagonal_Shape_int8_t_tag, 800
ppl_all_affine_ranking_functions_MS_Octagonal_-
Shape_int8_t_2
ppl_Octagonal_Shape_int8_t_tag, 801
ppl_all_affine_ranking_functions_MS_Octagonal_-
Shape_long_double
ppl_Octagonal_Shape_long_double_tag, 829
ppl_all_affine_ranking_functions_MS_Octagonal_-
Shape_long_double_2
ppl_Octagonal_Shape_long_double_tag, 830
ppl_all_affine_ranking_functions_MS_Octagonal_-
Shape_mpq_class
ppl_Octagonal_Shape_mpq_class_tag, 858
ppl_all_affine_ranking_functions_MS_Octagonal_-
Shape_mpq_class_2
ppl_Octagonal_Shape_mpq_class_tag, 859
ppl_all_affine_ranking_functions_MS_Octagonal_-
Shape_mpz_class
ppl_Octagonal_Shape_mpz_class_tag, 887
ppl_all_affine_ranking_functions_MS_Octagonal_-
Shape_mpz_class_2
ppl_Octagonal_Shape_mpz_class_tag, 888
ppl_all_affine_ranking_functions_MS_Rational_-
Box
ppl_Rational_Box_tag, 1591
ppl_all_affine_ranking_functions_MS_Rational_-
Box_2
ppl_Rational_Box_tag, 1592
ppl_all_affine_ranking_functions_MS_Uint16_Box
ppl_Uint16_Box_tag, 1617
ppl_all_affine_ranking_functions_MS_Uint16_-
Box_2
ppl_Uint16_Box_tag, 1617
ppl_all_affine_ranking_functions_MS_Uint32_Box
ppl_Uint32_Box_tag, 1642
ppl_all_affine_ranking_functions_MS_Uint32_-
Box_2

ppl_Uint32_Box_tag, 1642
ppl_all_affine_ranking_functions_MS_Uint64_Box
ppl_Uint64_Box_tag, 1667
ppl_all_affine_ranking_functions_MS_Uint64_-Box_2
ppl_Uint64_Box_tag, 1668
ppl_all_affine_ranking_functions_MS_Uint8_Box
ppl_Uint8_Box_tag, 1692
ppl_all_affine_ranking_functions_MS_Uint8_-Box_2
ppl_Uint8_Box_tag, 1692
ppl_all_affine_ranking_functions_MS_Z_Box
ppl_Z_Box_tag, 1715
ppl_all_affine_ranking_functions_MS_Z_Box_2
ppl_Z_Box_tag, 1716
ppl_all_affine_ranking_functions_PR_BD_Shape_-double
ppl_BD_Shape_double_tag, 87
ppl_all_affine_ranking_functions_PR_BD_Shape_-double_2
ppl_BD_Shape_double_tag, 88
ppl_all_affine_ranking_functions_PR_BD_Shape_-float
ppl_BD_Shape_float_tag, 115
ppl_all_affine_ranking_functions_PR_BD_Shape_-float_2
ppl_BD_Shape_float_tag, 115
ppl_all_affine_ranking_functions_PR_BD_Shape_-int16_t
ppl_BD_Shape_int16_t_tag, 142
ppl_all_affine_ranking_functions_PR_BD_Shape_-int16_t_2
ppl_BD_Shape_int16_t_tag, 143
ppl_all_affine_ranking_functions_PR_BD_Shape_-int32_t
ppl_BD_Shape_int32_t_tag, 170
ppl_all_affine_ranking_functions_PR_BD_Shape_-int32_t_2
ppl_BD_Shape_int32_t_tag, 170
ppl_all_affine_ranking_functions_PR_BD_Shape_-int64_t
ppl_BD_Shape_int64_t_tag, 197
ppl_all_affine_ranking_functions_PR_BD_Shape_-int64_t_2
ppl_BD_Shape_int64_t_tag, 198
ppl_all_affine_ranking_functions_PR_BD_Shape_-int8_t
ppl_BD_Shape_int8_t_tag, 225
ppl_all_affine_ranking_functions_PR_BD_Shape_-int8_t_2
ppl_BD_Shape_int8_t_tag, 225
ppl_all_affine_ranking_functions_PR_BD_Shape_-long_double
ppl_BD_Shape_long_double_tag, 253
ppl_all_affine_ranking_functions_PR_BD_Shape_-long_double_2
ppl_BD_Shape_long_double_tag, 254
ppl_all_affine_ranking_functions_PR_BD_Shape_-mpq_class
ppl_BD_Shape_mpq_class_tag, 281
ppl_all_affine_ranking_functions_PR_BD_Shape_-mpq_class_2
ppl_BD_Shape_mpq_class_tag, 282
ppl_all_affine_ranking_functions_PR_BD_Shape_-mpz_class
ppl_BD_Shape_mpz_class_tag, 310
ppl_all_affine_ranking_functions_PR_BD_Shape_-mpz_class_2
ppl_BD_Shape_mpz_class_tag, 310
ppl_all_affine_ranking_functions_PR_C_-Polyhedron
ppl_Polyhedron_tag, 1566
ppl_all_affine_ranking_functions_PR_C_-Polyhedron_2
ppl_Polyhedron_tag, 1567
ppl_all_affine_ranking_functions_PR_Double_Box
ppl_Double_Box_tag, 442
ppl_all_affine_ranking_functions_PR_Double_-Box_2
ppl_Double_Box_tag, 443
ppl_all_affine_ranking_functions_PR_Float_Box
ppl_Float_Box_tag, 467
ppl_all_affine_ranking_functions_PR_Float_Box_-2
ppl_Float_Box_tag, 467
ppl_all_affine_ranking_functions_PR_Grid
ppl_Grid_tag, 500
ppl_all_affine_ranking_functions_PR_Grid_2
ppl_Grid_tag, 501
ppl_all_affine_ranking_functions_PR_Int16_Box
ppl_Int16_Box_tag, 525
ppl_all_affine_ranking_functions_PR_Int16_Box_-2
ppl_Int16_Box_tag, 525
ppl_all_affine_ranking_functions_PR_Int32_Box
ppl_Int32_Box_tag, 549
ppl_all_affine_ranking_functions_PR_Int32_Box_-2
ppl_Int32_Box_tag, 550
ppl_all_affine_ranking_functions_PR_Int64_Box
ppl_Int64_Box_tag, 574
ppl_all_affine_ranking_functions_PR_Int64_Box_-2
ppl_Int64_Box_tag, 575
ppl_all_affine_ranking_functions_PR_Int8_Box
ppl_Int8_Box_tag, 598
ppl_all_affine_ranking_functions_PR_Int8_Box_2
ppl_Int8_Box_tag, 599

ppl_all_affine_ranking_functions_PR_Long_-
Double_Box
ppl_Long_Double_Box_tag, 627
ppl_all_affine_ranking_functions_PR_Long_-
Double_Box_2
ppl_Long_Double_Box_tag, 628
ppl_all_affine_ranking_functions_PR_NNC_-
Polyhedron
ppl_Polyhedron_tag, 1566
ppl_all_affine_ranking_functions_PR_NNC_-
Polyhedron_2
ppl_Polyhedron_tag, 1567
ppl_all_affine_ranking_functions_PR_Octagonal_-
Shape_double
ppl_Octagonal_Shape_double_tag, 660
ppl_all_affine_ranking_functions_PR_Octagonal_-
Shape_double_2
ppl_Octagonal_Shape_double_tag, 661
ppl_all_affine_ranking_functions_PR_Octagonal_-
Shape_float
ppl_Octagonal_Shape_float_tag, 688
ppl_all_affine_ranking_functions_PR_Octagonal_-
Shape_float_2
ppl_Octagonal_Shape_float_tag, 688
ppl_all_affine_ranking_functions_PR_Octagonal_-
Shape_int16_t
ppl_Octagonal_Shape_int16_t_tag, 716
ppl_all_affine_ranking_functions_PR_Octagonal_-
Shape_int16_t_2
ppl_Octagonal_Shape_int16_t_tag, 717
ppl_all_affine_ranking_functions_PR_Octagonal_-
Shape_int32_t
ppl_Octagonal_Shape_int32_t_tag, 744
ppl_all_affine_ranking_functions_PR_Octagonal_-
Shape_int32_t_2
ppl_Octagonal_Shape_int32_t_tag, 745
ppl_all_affine_ranking_functions_PR_Octagonal_-
Shape_int64_t
ppl_Octagonal_Shape_int64_t_tag, 772
ppl_all_affine_ranking_functions_PR_Octagonal_-
Shape_int64_t_2
ppl_Octagonal_Shape_int64_t_tag, 773
ppl_all_affine_ranking_functions_PR_Octagonal_-
Shape_int8_t
ppl_Octagonal_Shape_int8_t_tag, 800
ppl_all_affine_ranking_functions_PR_Octagonal_-
Shape_int8_t_2
ppl_Octagonal_Shape_int8_t_tag, 801
ppl_all_affine_ranking_functions_PR_Octagonal_-
Shape_long_double
ppl_Octagonal_Shape_long_double_tag, 829
ppl_all_affine_ranking_functions_PR_Octagonal_-
Shape_long_double_2
ppl_Octagonal_Shape_long_double_tag, 830
ppl_all_affine_ranking_functions_PR_Octagonal_-
Shape_mpq_class
ppl_Octagonal_Shape_mpq_class_tag, 858
ppl_all_affine_ranking_functions_PR_Octagonal_-
Shape_mpq_class_2
ppl_Octagonal_Shape_mpq_class_tag, 859
ppl_all_affine_ranking_functions_PR_Octagonal_-
Shape_mpz_class
ppl_Octagonal_Shape_mpz_class_tag, 887
ppl_all_affine_ranking_functions_PR_Octagonal_-
Shape_mpz_class_2
ppl_Octagonal_Shape_mpz_class_tag, 888
ppl_all_affine_ranking_functions_PR_Rational_-
Box
ppl_Rational_Box_tag, 1592
ppl_all_affine_ranking_functions_PR_Rational_-
Box_2
ppl_Rational_Box_tag, 1592
ppl_all_affine_ranking_functions_PR_Uint16_Box
ppl_Uint16_Box_tag, 1617
ppl_all_affine_ranking_functions_PR_Uint16_-
Box_2
ppl_Uint16_Box_tag, 1617
ppl_all_affine_ranking_functions_PR_Uint32_Box
ppl_Uint32_Box_tag, 1642
ppl_all_affine_ranking_functions_PR_Uint32_-
Box_2
ppl_Uint32_Box_tag, 1643
ppl_all_affine_ranking_functions_PR_Uint64_Box
ppl_Uint64_Box_tag, 1667
ppl_all_affine_ranking_functions_PR_Uint64_-
Box_2
ppl_Uint64_Box_tag, 1668
ppl_all_affine_ranking_functions_PR_Uint8_Box
ppl_Uint8_Box_tag, 1692
ppl_all_affine_ranking_functions_PR_Uint8_-
Box_2
ppl_Uint8_Box_tag, 1692
ppl_all_affine_ranking_functions_PR_Z_Box
ppl_Z_Box_tag, 1716
ppl_all_affine_ranking_functions_PR_Z_Box_2
ppl_Z_Box_tag, 1716
ppl_Artificial_Parameter_Sequence_const_-
iterator_tag, 59
ppl_Artificial_Parameter_tag, 60
ppl_assign_BD_Shape_double_from_BD_Shape_-
double
ppl_BD_Shape_double_tag, 87
ppl_assign_BD_Shape_float_from_BD_Shape_-
float
ppl_BD_Shape_float_tag, 114
ppl_assign_BD_Shape_int16_t_from_BD_Shape_-
int16_t
ppl_BD_Shape_int16_t_tag, 141

ppl_assign_BD_Shape_int32_t_from_BD_Shape_-int32_t
ppl_BD_Shape_int32_t_tag, 169
ppl_assign_BD_Shape_int64_t_from_BD_Shape_-int64_t
ppl_BD_Shape_int64_t_tag, 197
ppl_assign_BD_Shape_int8_t_from_BD_Shape_-int8_t
ppl_BD_Shape_int8_t_tag, 224
ppl_assign_BD_Shape_long_double_from_BD_-Shape_long_double
ppl_BD_Shape_long_double_tag, 252
ppl_assign_BD_Shape_mpq_class_from_BD_-Shape_mpq_class
ppl_BD_Shape_mpq_class_tag, 280
ppl_assign_BD_Shape_mpz_class_from_BD_-Shape_mpz_class
ppl_BD_Shape_mpz_class_tag, 309
ppl_assign_C_Polyhedron_from_C_Polyhedron
ppl_Polyhedron_tag, 1530
ppl_assign_Double_Box_from_Double_Box
ppl_Double_Box_tag, 441
ppl_assign_Float_Box_from_Float_Box
ppl_Float_Box_tag, 466
ppl_assign_Grid_from_Grid
ppl_Grid_tag, 499
ppl_assign_Int16_Box_from_Int16_Box
ppl_Int16_Box_tag, 524
ppl_assign_Int32_Box_from_Int32_Box
ppl_Int32_Box_tag, 549
ppl_assign_Int64_Box_from_Int64_Box
ppl_Int64_Box_tag, 573
ppl_assign_Int8_Box_from_Int8_Box
ppl_Int8_Box_tag, 598
ppl_assign_Long_Double_Box_from_Long_-Double_Box
ppl_Long_Double_Box_tag, 626
ppl_assign_NNC_Polyhedron_from_NNC_-Polyhedron
ppl_Polyhedron_tag, 1531
ppl_assign_Octagonal_Shape_double_from_-Octagonal_Shape_double
ppl_Octagonal_Shape_double_tag, 659
ppl_assign_Octagonal_Shape_float_from_-Octagonal_Shape_float
ppl_Octagonal_Shape_float_tag, 687
ppl_assign_Octagonal_Shape_int16_t_from_-Octagonal_Shape_int16_t
ppl_Octagonal_Shape_int16_t_tag, 715
ppl_assign_Octagonal_Shape_int32_t_from_-Octagonal_Shape_int32_t
ppl_Octagonal_Shape_int32_t_tag, 743
ppl_assign_Octagonal_Shape_int64_t_from_-Octagonal_Shape_int64_t
ppl_Octagonal_Shape_int64_t_tag, 771
ppl_assign_Octagonal_Shape_int8_t_from_-Octagonal_Shape_int8_t
ppl_Octagonal_Shape_int8_t_tag, 799
ppl_assign_Octagonal_Shape_long_double_from_-Octagonal_Shape_long_double
ppl_Octagonal_Shape_long_double_tag, 828
ppl_assign_Octagonal_Shape_mpq_class_from_-Octagonal_Shape_mpq_class
ppl_Octagonal_Shape_mpq_class_tag, 858
ppl_assign_Octagonal_Shape_mpz_class_from_-Octagonal_Shape_mpz_class
ppl_Octagonal_Shape_mpz_class_tag, 886
ppl_assign_Rational_Box_from_Rational_Box
ppl_Rational_Box_tag, 1591
ppl_assign_Uint16_Box_from_Uint16_Box
ppl_Uint16_Box_tag, 1616
ppl_assign_Uint32_Box_from_Uint32_Box
ppl_Uint32_Box_tag, 1641
ppl_assign_Uint64_Box_from_Uint64_Box
ppl_Uint64_Box_tag, 1666
ppl_assign_Uint8_Box_from_Uint8_Box
ppl_Uint8_Box_tag, 1691
ppl_assign_Z_Box_from_Z_Box
ppl_Z_Box_tag, 1715
ppl_banner
Version, 28
ppl_BD_Shape_double_add_congruence
ppl_BD_Shape_double_tag, 80
ppl_BD_Shape_double_add_congruences
ppl_BD_Shape_double_tag, 80
ppl_BD_Shape_double_add_constraint
ppl_BD_Shape_double_tag, 80
ppl_BD_Shape_double_add_constraints
ppl_BD_Shape_double_tag, 80
ppl_BD_Shape_double_add_recycled_congruences
ppl_BD_Shape_double_tag, 87
ppl_BD_Shape_double_add_recycled_constraints
ppl_BD_Shape_double_tag, 87
ppl_BD_Shape_double_add_space_dimensions_-and_embed
ppl_BD_Shape_double_tag, 83
ppl_BD_Shape_double_add_space_dimensions_-and_project
ppl_BD_Shape_double_tag, 83
ppl_BD_Shape_double_affine_dimension
ppl_BD_Shape_double_tag, 77
ppl_BD_Shape_double_affine_image
ppl_BD_Shape_double_tag, 82
ppl_BD_Shape_double_affine_preimage
ppl_BD_Shape_double_tag, 82
ppl_BD_Shape_double_ascii_dump
ppl_BD_Shape_double_tag, 89
ppl_BD_Shape_double_ascii_load

ppl_BD_Shape_double_tag, 89
ppl_BD_Shape_double_BHMZ05_widening_-assign
ppl_BD_Shape_double_tag, 84
ppl_BD_Shape_double_BHMZ05_widening_-assign_with_tokens
ppl_BD_Shape_double_tag, 84
ppl_BD_Shape_double_bounded_affine_image
ppl_BD_Shape_double_tag, 82
ppl_BD_Shape_double_bounded_affine_preimage
ppl_BD_Shape_double_tag, 82
ppl_BD_Shape_double_bounds_from_above
ppl_BD_Shape_double_tag, 79
ppl_BD_Shape_double_bounds_from_below
ppl_BD_Shape_double_tag, 79
ppl_BD_Shape_double_CC76_extrapolation_-assign
ppl_BD_Shape_double_tag, 86
ppl_BD_Shape_double_CC76_extrapolation_-assign_with_tokens
ppl_BD_Shape_double_tag, 86
ppl_BD_Shape_double_CC76_narrowing_assign
ppl_BD_Shape_double_tag, 86
ppl_BD_Shape_double_concatenate_assign
ppl_BD_Shape_double_tag, 81
ppl_BD_Shape_double_constrains
ppl_BD_Shape_double_tag, 82
ppl_BD_Shape_double_contains_BD_Shape_-double
ppl_BD_Shape_double_tag, 79
ppl_BD_Shape_double_contains_integer_point
ppl_BD_Shape_double_tag, 78
ppl_BD_Shape_double_difference_assign
ppl_BD_Shape_double_tag, 81
ppl_BD_Shape_double_drop_some_non_integer_-points
ppl_BD_Shape_double_tag, 84
ppl_BD_Shape_double_drop_some_non_integer_-points_2
ppl_BD_Shape_double_tag, 84
ppl_BD_Shape_double_equals_BD_Shape_double
ppl_BD_Shape_double_tag, 80
ppl_BD_Shape_double_expand_space_dimension
ppl_BD_Shape_double_tag, 83
ppl_BD_Shape_double_external_memory_in_-bytes
ppl_BD_Shape_double_tag, 84
ppl_BD_Shape_double_fold_space_dimensions
ppl_BD_Shape_double_tag, 83
ppl_BD_Shape_double_frequency
ppl_BD_Shape_double_tag, 79
ppl_BD_Shape_double_generalized_affine_image
ppl_BD_Shape_double_tag, 82
ppl_BD_Shape_double_generalized_affine_-image_lhs_rhs
ppl_BD_Shape_double_tag, 83
ppl_BD_Shape_double_generalized_affine_-preimage
ppl_BD_Shape_double_tag, 83
ppl_BD_Shape_double_generalized_affine_-preimage_lhs_rhs
ppl_BD_Shape_double_tag, 83
ppl_BD_Shape_double_get_congruences
ppl_BD_Shape_double_tag, 78
ppl_BD_Shape_double_get_constraints
ppl_BD_Shape_double_tag, 78
ppl_BD_Shape_double_get_minimized_-congruences
ppl_BD_Shape_double_tag, 78
ppl_BD_Shape_double_get_minimized_constraints
ppl_BD_Shape_double_tag, 78
ppl_BD_Shape_double_H79_widening_assign
ppl_BD_Shape_double_tag, 84
ppl_BD_Shape_double_H79_widening_assign_-with_tokens
ppl_BD_Shape_double_tag, 84
ppl_BD_Shape_double_intersection_assign
ppl_BD_Shape_double_tag, 81
ppl_BD_Shape_double_is_bounded
ppl_BD_Shape_double_tag, 78
ppl_BD_Shape_double_is_discrete
ppl_BD_Shape_double_tag, 78
ppl_BD_Shape_double_is_disjoint_from_BD_-Shape_double
ppl_BD_Shape_double_tag, 80
ppl_BD_Shape_double_is_empty
ppl_BD_Shape_double_tag, 78
ppl_BD_Shape_double_is_topologically_closed
ppl_BD_Shape_double_tag, 78
ppl_BD_Shape_double_is_universe
ppl_BD_Shape_double_tag, 78
ppl_BD_Shape_double_limited_BHMZ05_-extrapolation_assign
ppl_BD_Shape_double_tag, 85
ppl_BD_Shape_double_limited_BHMZ05_-extrapolation_assign_with_tokens
ppl_BD_Shape_double_tag, 85
ppl_BD_Shape_double_limited_CC76_-extrapolation_assign
ppl_BD_Shape_double_tag, 85
ppl_BD_Shape_double_limited_CC76_-extrapolation_assign_with_tokens
ppl_BD_Shape_double_tag, 85
ppl_BD_Shape_double_limited_H79_-extrapolation_assign
ppl_BD_Shape_double_tag, 85

ppl_BD_Shape_double_limited_H79_-
extrapolation_assign_with_tokens
ppl_BD_Shape_double_tag, 85
ppl_BD_Shape_double_linear_partition
ppl_BD_Shape_double_tag, 86
ppl_BD_Shape_double_map_space_dimensions
ppl_BD_Shape_double_tag, 84
ppl_BD_Shape_double_maximize
ppl_BD_Shape_double_tag, 79
ppl_BD_Shape_double_maximize_with_point
ppl_BD_Shape_double_tag, 79
ppl_BD_Shape_double_minimize
ppl_BD_Shape_double_tag, 79
ppl_BD_Shape_double_minimize_with_point
ppl_BD_Shape_double_tag, 79
ppl_BD_Shape_double_OK
ppl_BD_Shape_double_tag, 80
ppl_BD_Shape_double_refine_with_congruence
ppl_BD_Shape_double_tag, 80
ppl_BD_Shape_double_refine_with_congruences
ppl_BD_Shape_double_tag, 81
ppl_BD_Shape_double_refine_with_constraint
ppl_BD_Shape_double_tag, 80
ppl_BD_Shape_double_refine_with_constraints
ppl_BD_Shape_double_tag, 81
ppl_BD_Shape_double_relation_with_Congruence
ppl_BD_Shape_double_tag, 77
ppl_BD_Shape_double_relation_with_Constraint
ppl_BD_Shape_double_tag, 77
ppl_BD_Shape_double_relation_with_Generator
ppl_BD_Shape_double_tag, 77
ppl_BD_Shape_double_remove_higher_space_-
dimensions
ppl_BD_Shape_double_tag, 83
ppl_BD_Shape_double_remove_space_dimensions
ppl_BD_Shape_double_tag, 83
ppl_BD_Shape_double_simplify_using_context_-
assign
ppl_BD_Shape_double_tag, 81
ppl_BD_Shape_double_space_dimension
ppl_BD_Shape_double_tag, 77
ppl_BD_Shape_double_strictly_contains_BD_-
Shape_double
ppl_BD_Shape_double_tag, 80
ppl_BD_Shape_double_tag, 61
ppl_all_affine_ranking_functions_MS_BD_-
Shape_double, 87
ppl_all_affine_ranking_functions_MS_BD_-
Shape_double_2, 88
ppl_all_affine_ranking_functions_PR_BD_-
Shape_double, 87
ppl_all_affine_ranking_functions_PR_BD_-
Shape_double_2, 88
ppl_assign_BD_Shape_double_from_BD_-
Shape_double, 87
ppl_BD_Shape_double_add_congruence, 80
ppl_BD_Shape_double_add_congruences, 80
ppl_BD_Shape_double_add_constraint, 80
ppl_BD_Shape_double_add_constraints, 80
ppl_BD_Shape_double_add_recycled_-
congruences, 87
ppl_BD_Shape_double_add_recycled_-
constraints, 87
ppl_BD_Shape_double_add_space_-
dimensions_and_embed, 83
ppl_BD_Shape_double_add_space_-
dimensions_and_project, 83
ppl_BD_Shape_double_affine_dimension, 77
ppl_BD_Shape_double_affine_image, 82
ppl_BD_Shape_double_affine_preimage, 82
ppl_BD_Shape_double_ascii_dump, 89
ppl_BD_Shape_double_ascii_load, 89
ppl_BD_Shape_double_BHMZ05_-
widening_assign, 84
ppl_BD_Shape_double_BHMZ05_-
widening_assign_with_tokens, 84
ppl_BD_Shape_double_bounded_affine_-
image, 82
ppl_BD_Shape_double_bounded_affine_-
preimage, 82
ppl_BD_Shape_double_bounds_from_above,
79
ppl_BD_Shape_double_bounds_from_below,
79
ppl_BD_Shape_double_CC76_-
extrapolation_assign, 86
ppl_BD_Shape_double_CC76_-
extrapolation_assign_with_tokens,
86
ppl_BD_Shape_double_CC76_narrowing_-
assign, 86
ppl_BD_Shape_double_concatenate_assign,
81
ppl_BD_Shape_double_constrains, 82
ppl_BD_Shape_double_contains_BD_-
Shape_double, 79
ppl_BD_Shape_double_contains_integer_-
point, 78
ppl_BD_Shape_double_difference_assign, 81
ppl_BD_Shape_double_drop_some_non_-
integer_points, 84
ppl_BD_Shape_double_drop_some_non_-
integer_points_2, 84
ppl_BD_Shape_double_equals_BD_Shape_-
double, 80
ppl_BD_Shape_double_expand_space_-
dimension, 83

ppl_BD_Shape_double_external_memory_-
in_bytes, 84
ppl_BD_Shape_double_fold_space_-
dimensions, 83
ppl_BD_Shape_double_frequency, 79
ppl_BD_Shape_double_generalized_affine_-
image, 82
ppl_BD_Shape_double_generalized_affine_-
image_lhs_rhs, 83
ppl_BD_Shape_double_generalized_affine_-
preimage, 83
ppl_BD_Shape_double_generalized_affine_-
preimage_lhs_rhs, 83
ppl_BD_Shape_double_get_congruences, 78
ppl_BD_Shape_double_get_constraints, 78
ppl_BD_Shape_double_get_minimized_-
congruences, 78
ppl_BD_Shape_double_get_minimized_-
constraints, 78
ppl_BD_Shape_double_H79_widening_-
assign, 84
ppl_BD_Shape_double_H79_widening_-
assign_with_tokens, 84
ppl_BD_Shape_double_intersection_assign,
81
ppl_BD_Shape_double_is_bounded, 78
ppl_BD_Shape_double_is_discrete, 78
ppl_BD_Shape_double_is_disjoint_from_-
BD_Shape_double, 80
ppl_BD_Shape_double_is_empty, 78
ppl_BD_Shape_double_is_topologically_-
closed, 78
ppl_BD_Shape_double_is_universe, 78
ppl_BD_Shape_double_limited_BHMZ05_-
extrapolation_assign, 85
ppl_BD_Shape_double_limited_BHMZ05_-
extrapolation_assign_with_tokens, 85
ppl_BD_Shape_double_limited_CC76_-
extrapolation_assign, 85
ppl_BD_Shape_double_limited_CC76_-
extrapolation_assign_with_tokens, 85
ppl_BD_Shape_double_limited_H79_-
extrapolation_assign, 85
ppl_BD_Shape_double_limited_H79_-
extrapolation_assign_with_tokens,
85
ppl_BD_Shape_double_linear_partition, 86
ppl_BD_Shape_double_map_space_-
dimensions, 84
ppl_BD_Shape_double_maximize, 79
ppl_BD_Shape_double_maximize_with_-
point, 79
ppl_BD_Shape_double_minimize, 79
ppl_BD_Shape_double_minimize_with_point,
79
ppl_BD_Shape_double_OK, 80
ppl_BD_Shape_double_refine_with_-
congruence, 80
ppl_BD_Shape_double_refine_with_-
congruences, 81
ppl_BD_Shape_double_refine_with_-
constraint, 80
ppl_BD_Shape_double_refine_with_-
constraints, 81
ppl_BD_Shape_double_relation_with_-
Congruence, 77
ppl_BD_Shape_double_relation_with_-
Constraint, 77
ppl_BD_Shape_double_relation_with_-
Generator, 77
ppl_BD_Shape_double_remove_higher_-
space_dimensions, 83
ppl_BD_Shape_double_remove_space_-
dimensions, 83
ppl_BD_Shape_double_simplify_using_-
context_assign, 81
ppl_BD_Shape_double_space_dimension, 77
ppl_BD_Shape_double_strictly_contains_-
BD_Shape_double, 80
ppl_BD_Shape_double_time_elapse_assign,
81
ppl_BD_Shape_double_topological_closure_-
assign, 79
ppl_BD_Shape_double_total_memory_in_-
bytes, 84
ppl_BD_Shape_double_unconstrain_space_-
dimension, 82
ppl_BD_Shape_double_unconstrain_space_-
dimensions, 82
ppl_BD_Shape_double_upper_bound_assign,
81
ppl_BD_Shape_double_upper_bound_-
assign_if_exact, 81
ppl_BD_Shape_double_widening_assign, 85
ppl_BD_Shape_double_widening_assign_-
with_tokens, 85
ppl_BD_Shape_double_wrap_assign, 86
ppl_delete_BD_Shape_double, 68
ppl_io_asprint_BD_Shape_double, 88
ppl_io_fprint_BD_Shape_double, 88
ppl_io_print_BD_Shape_double, 88
ppl_new_BD_Shape_double_from_BD_-
Shape_double, 72
ppl_new_BD_Shape_double_from_BD_-
Shape_double_with_complexity, 76
ppl_new_BD_Shape_double_from_BD_-
Shape_float, 72

ppl_new_BD_Shape_double_from_BD_-Shape_float_with_complexity, 76
ppl_new_BD_Shape_double_from_BD_-Shape_int16_t, 70
ppl_new_BD_Shape_double_from_BD_-Shape_int16_t_with_complexity, 74
ppl_new_BD_Shape_double_from_BD_-Shape_int32_t, 70
ppl_new_BD_Shape_double_from_BD_-Shape_int32_t_with_complexity, 74
ppl_new_BD_Shape_double_from_BD_-Shape_int64_t, 70
ppl_new_BD_Shape_double_from_BD_-Shape_int64_t_with_complexity, 74
ppl_new_BD_Shape_double_from_BD_-Shape_int8_t, 70
ppl_new_BD_Shape_double_from_BD_-Shape_int8_t_with_complexity, 74
ppl_new_BD_Shape_double_from_BD_-Shape_long_double, 72
ppl_new_BD_Shape_double_from_BD_-Shape_long_double_with_complexity, 76
ppl_new_BD_Shape_double_from_BD_-Shape_mpq_class, 70
ppl_new_BD_Shape_double_from_BD_-Shape_mpq_class_with_complexity, 74
ppl_new_BD_Shape_double_from_BD_-Shape_mpz_class, 70
ppl_new_BD_Shape_double_from_BD_-Shape_mpz_class_with_complexity, 74
ppl_new_BD_Shape_double_from_C_-Polyhedron, 71
ppl_new_BD_Shape_double_from_C_-Polyhedron_with_complexity, 75
ppl_new_BD_Shape_double_from_-Congruence_System, 77
ppl_new_BD_Shape_double_from_-Constraint_System, 77
ppl_new_BD_Shape_double_from_Double_-Box, 72
ppl_new_BD_Shape_double_from_Double_-Box_with_complexity, 76
ppl_new_BD_Shape_double_from_Float_-Box, 71
ppl_new_BD_Shape_double_from_Float_-Box_with_complexity, 76
ppl_new_BD_Shape_double_from_-Generator_System, 77
ppl_new_BD_Shape_double_from_Grid, 71
ppl_new_BD_Shape_double_from_Grid_-with_complexity, 75
ppl_new_BD_Shape_double_from_Int16_-Box, 69
ppl_new_BD_Shape_double_from_Int16_-Box_with_complexity, 73
ppl_new_BD_Shape_double_from_Int32_-Box, 69
ppl_new_BD_Shape_double_from_Int32_-Box_with_complexity, 73
ppl_new_BD_Shape_double_from_Int64_-Box, 69
ppl_new_BD_Shape_double_from_Int64_-Box_with_complexity, 73
ppl_new_BD_Shape_double_from_Int8_Box, 69
ppl_new_BD_Shape_double_from_Int8_-Box_with_complexity, 72
ppl_new_BD_Shape_double_from_Long_-Double_Box, 72
ppl_new_BD_Shape_double_from_Long_-Double_Box_with_complexity, 76
ppl_new_BD_Shape_double_from_NNC_-Polyhedron, 71
ppl_new_BD_Shape_double_from_NNC_-Polyhedron_with_complexity, 75
ppl_new_BD_Shape_double_from_-Octagonal_Shape_double, 72
ppl_new_BD_Shape_double_from_-Octagonal_Shape_double_with_-complexity, 76
ppl_new_BD_Shape_double_from_-Octagonal_Shape_float, 72
ppl_new_BD_Shape_double_from_-Octagonal_Shape_float_with_-complexity, 76
ppl_new_BD_Shape_double_from_-Octagonal_Shape_int16_t, 70
ppl_new_BD_Shape_double_from_-Octagonal_Shape_int16_t_with_-complexity, 75
ppl_new_BD_Shape_double_from_-Octagonal_Shape_int32_t, 71
ppl_new_BD_Shape_double_from_-Octagonal_Shape_int32_t_with_-complexity, 75
ppl_new_BD_Shape_double_from_-Octagonal_Shape_int64_t, 71
ppl_new_BD_Shape_double_from_-Octagonal_Shape_int64_t_with_-complexity, 75
ppl_new_BD_Shape_double_from_-Octagonal_Shape_int8_t, 70
ppl_new_BD_Shape_double_from_-Octagonal_Shape_int8_t_with_-complexity, 74

ppl_new_BD_Shape_double_from_-
Octagonal_Shape_long_double, 72
ppl_new_BD_Shape_double_from_-
Octagonal_Shape_long_double_with_-
complexity, 77
ppl_new_BD_Shape_double_from_-
Octagonal_Shape_mpq_class, 71
ppl_new_BD_Shape_double_from_-
Octagonal_Shape_mpq_class_with_-
complexity, 75
ppl_new_BD_Shape_double_from_-
Octagonal_Shape_mpz_class, 71
ppl_new_BD_Shape_double_from_-
Octagonal_Shape_mpz_class_with_-
complexity, 75
ppl_new_BD_Shape_double_from_Rational_-
Box, 70
ppl_new_BD_Shape_double_from_Rational_-
Box_with_complexity, 74
ppl_new_BD_Shape_double_from_space_-
dimension, 68
ppl_new_BD_Shape_double_from_Uint16_-
Box, 69
ppl_new_BD_Shape_double_from_Uint16_-
Box_with_complexity, 73
ppl_new_BD_Shape_double_from_Uint32_-
Box, 69
ppl_new_BD_Shape_double_from_Uint32_-
Box_with_complexity, 73
ppl_new_BD_Shape_double_from_Uint64_-
Box, 69
ppl_new_BD_Shape_double_from_Uint64_-
Box_with_complexity, 73
ppl_new_BD_Shape_double_from_Uint8_-
Box, 69
ppl_new_BD_Shape_double_from_Uint8_-
Box_with_complexity, 73
ppl_new_BD_Shape_double_from_Z_Box, 69
ppl_new_BD_Shape_double_from_Z_Box_-
with_complexity, 73
ppl_new_BD_Shape_double_recycle_-
Congruence_System, 86
ppl_new_BD_Shape_double_recycle_-
Constraint_System, 86
ppl_new_BD_Shape_double_recycle_-
Generator_System, 86
ppl_one_affine_ranking_function_MS_BD_-
Shape_double, 87
ppl_one_affine_ranking_function_MS_BD_-
Shape_double_2, 88
ppl_one_affine_ranking_function_PR_BD_-
Shape_double, 87
ppl_one_affine_ranking_function_PR_BD_-
Shape_double_2, 88
ppl_termination_test_MS_BD_Shape_double,
87
ppl_termination_test_MS_BD_Shape_-
double_2, 88
ppl_termination_test_PR_BD_Shape_double,
87
ppl_termination_test_PR_BD_Shape_-
double_2, 88
ppl_BD_Shape_double_time_elapse_assign
ppl_BD_Shape_double_tag, 81
ppl_BD_Shape_double_topological_closure_assign
ppl_BD_Shape_double_tag, 79
ppl_BD_Shape_double_total_memory_in_bytes
ppl_BD_Shape_double_tag, 84
ppl_BD_Shape_double_unconstrain_space_-
dimension
ppl_BD_Shape_double_tag, 82
ppl_BD_Shape_double_unconstrain_space_-
dimensions
ppl_BD_Shape_double_tag, 82
ppl_BD_Shape_double_upper_bound_assign
ppl_BD_Shape_double_tag, 81
ppl_BD_Shape_double_upper_bound_assign_if_-
exact
ppl_BD_Shape_double_tag, 81
ppl_BD_Shape_double_widening_assign
ppl_BD_Shape_double_tag, 85
ppl_BD_Shape_double_widening_assign_with_-
tokens
ppl_BD_Shape_double_tag, 85
ppl_BD_Shape_double_wrap_assign
ppl_BD_Shape_double_tag, 86
ppl_BD_Shape_float_add_congruence
ppl_BD_Shape_float_tag, 107
ppl_BD_Shape_float_add_congruences
ppl_BD_Shape_float_tag, 108
ppl_BD_Shape_float_add_constraint
ppl_BD_Shape_float_tag, 107
ppl_BD_Shape_float_add_constraints
ppl_BD_Shape_float_tag, 107
ppl_BD_Shape_float_add_recycled_congruences
ppl_BD_Shape_float_tag, 114
ppl_BD_Shape_float_add_recycled_constraints
ppl_BD_Shape_float_tag, 114
ppl_BD_Shape_float_add_space_dimensions_-
and_embed
ppl_BD_Shape_float_tag, 110
ppl_BD_Shape_float_add_space_dimensions_-
and_project
ppl_BD_Shape_float_tag, 110
ppl_BD_Shape_float_affine_dimension
ppl_BD_Shape_float_tag, 104
ppl_BD_Shape_float_affine_image
ppl_BD_Shape_float_tag, 109

ppl_BD_Shape_float_affine_preimage
ppl_BD_Shape_float_tag, 109
ppl_BD_Shape_float_ascii_dump
ppl_BD_Shape_float_tag, 116
ppl_BD_Shape_float_ascii_load
ppl_BD_Shape_float_tag, 116
ppl_BD_Shape_float_BHMZ05_widening_assign
ppl_BD_Shape_float_tag, 112
ppl_BD_Shape_float_BHMZ05_widening_-
assign_with_tokens
ppl_BD_Shape_float_tag, 111
ppl_BD_Shape_float_bounded_affine_image
ppl_BD_Shape_float_tag, 109
ppl_BD_Shape_float_bounded_affine_preimage
ppl_BD_Shape_float_tag, 110
ppl_BD_Shape_float_bounds_from_above
ppl_BD_Shape_float_tag, 106
ppl_BD_Shape_float_bounds_from_below
ppl_BD_Shape_float_tag, 106
ppl_BD_Shape_float_CC76_extrapolation_assign
ppl_BD_Shape_float_tag, 113
ppl_BD_Shape_float_CC76_extrapolation_-
assign_with_tokens
ppl_BD_Shape_float_tag, 113
ppl_BD_Shape_float_CC76_narrowing_assign
ppl_BD_Shape_float_tag, 113
ppl_BD_Shape_float_concatenate_assign
ppl_BD_Shape_float_tag, 108
ppl_BD_Shape_float_constrains
ppl_BD_Shape_float_tag, 109
ppl_BD_Shape_float_contains_BD_Shape_float
ppl_BD_Shape_float_tag, 107
ppl_BD_Shape_float_contains_integer_point
ppl_BD_Shape_float_tag, 105
ppl_BD_Shape_float_difference_assign
ppl_BD_Shape_float_tag, 108
ppl_BD_Shape_float_drop_some_non_integer_-
points
ppl_BD_Shape_float_tag, 111
ppl_BD_Shape_float_drop_some_non_integer_-
points_2
ppl_BD_Shape_float_tag, 111
ppl_BD_Shape_float_equals_BD_Shape_float
ppl_BD_Shape_float_tag, 107
ppl_BD_Shape_float_expand_space_dimension
ppl_BD_Shape_float_tag, 111
ppl_BD_Shape_float_external_memory_in_bytes
ppl_BD_Shape_float_tag, 111
ppl_BD_Shape_float_fold_space_dimensions
ppl_BD_Shape_float_tag, 111
ppl_BD_Shape_float_frequency
ppl_BD_Shape_float_tag, 107
ppl_BD_Shape_float_generalized_affine_image
ppl_BD_Shape_float_tag, 110
ppl_BD_Shape_float_generalized_affine_image_-
lhs_rhs
ppl_BD_Shape_float_tag, 110
ppl_BD_Shape_float_generalized_affine_preimage
ppl_BD_Shape_float_tag, 110
ppl_BD_Shape_float_generalized_affine_-
preimage_lhs_rhs
ppl_BD_Shape_float_tag, 110
ppl_BD_Shape_float_get_congruences
ppl_BD_Shape_float_tag, 105
ppl_BD_Shape_float_get_constraints
ppl_BD_Shape_float_tag, 105
ppl_BD_Shape_float_get_minimized_congruences
ppl_BD_Shape_float_tag, 105
ppl_BD_Shape_float_get_minimized_constraints
ppl_BD_Shape_float_tag, 105
ppl_BD_Shape_float_H79_widening_assign
ppl_BD_Shape_float_tag, 112
ppl_BD_Shape_float_H79_widening_assign_-
with_tokens
ppl_BD_Shape_float_tag, 112
ppl_BD_Shape_float_intersection_assign
ppl_BD_Shape_float_tag, 108
ppl_BD_Shape_float_is_bounded
ppl_BD_Shape_float_tag, 105
ppl_BD_Shape_float_is_discrete
ppl_BD_Shape_float_tag, 106
ppl_BD_Shape_float_is_disjoint_from_BD_-
Shape_float
ppl_BD_Shape_float_tag, 107
ppl_BD_Shape_float_is_empty
ppl_BD_Shape_float_tag, 105
ppl_BD_Shape_float_is_topologically_closed
ppl_BD_Shape_float_tag, 106
ppl_BD_Shape_float_is_universe
ppl_BD_Shape_float_tag, 105
ppl_BD_Shape_float_limited_BHMZ05_-
extrapolation_assign
ppl_BD_Shape_float_tag, 112
ppl_BD_Shape_float_limited_BHMZ05_-
extrapolation_assign_with_tokens
ppl_BD_Shape_float_tag, 112
ppl_BD_Shape_float_limited_CC76_-
extrapolation_assign
ppl_BD_Shape_float_tag, 113
ppl_BD_Shape_float_limited_CC76_-
extrapolation_assign_with_tokens
ppl_BD_Shape_float_tag, 112
ppl_BD_Shape_float_limited_H79_extrapolation_-
assign
ppl_BD_Shape_float_tag, 113
ppl_BD_Shape_float_limited_H79_extrapolation_-
assign_with_tokens
ppl_BD_Shape_float_tag, 112

ppl_BD_Shape_float_linear_partition
ppl_BD_Shape_float_tag, 113
ppl_BD_Shape_float_map_space_dimensions
ppl_BD_Shape_float_tag, 111
ppl_BD_Shape_float_maximize
ppl_BD_Shape_float_tag, 106
ppl_BD_Shape_float_maximize_with_point
ppl_BD_Shape_float_tag, 106
ppl_BD_Shape_float_minimize
ppl_BD_Shape_float_tag, 106
ppl_BD_Shape_float_minimize_with_point
ppl_BD_Shape_float_tag, 106
ppl_BD_Shape_float_OK
ppl_BD_Shape_float_tag, 107
ppl_BD_Shape_float_refine_with_congruence
ppl_BD_Shape_float_tag, 108
ppl_BD_Shape_float_refine_with_congruences
ppl_BD_Shape_float_tag, 108
ppl_BD_Shape_float_refine_with_constraint
ppl_BD_Shape_float_tag, 108
ppl_BD_Shape_float_refine_with_constraints
ppl_BD_Shape_float_tag, 108
ppl_BD_Shape_float_relation_with_Congruence
ppl_BD_Shape_float_tag, 105
ppl_BD_Shape_float_relation_with_Constraint
ppl_BD_Shape_float_tag, 104
ppl_BD_Shape_float_relation_with_Generator
ppl_BD_Shape_float_tag, 105
ppl_BD_Shape_float_remove_higher_space_-
dimensions
ppl_BD_Shape_float_tag, 111
ppl_BD_Shape_float_remove_space_dimensions
ppl_BD_Shape_float_tag, 110
ppl_BD_Shape_float_simplify_using_context_-
assign
ppl_BD_Shape_float_tag, 109
ppl_BD_Shape_float_space_dimension
ppl_BD_Shape_float_tag, 104
ppl_BD_Shape_float_strictly_contains_BD_-
Shape_float
ppl_BD_Shape_float_tag, 107
ppl_BD_Shape_float_tag, 89
ppl_all_affine_ranking_functions_MS_BD_-
Shape_float, 114
ppl_all_affine_ranking_functions_MS_BD_-
Shape_float_2, 115
ppl_all_affine_ranking_functions_PR_BD_-
Shape_float, 115
ppl_all_affine_ranking_functions_PR_BD_-
Shape_float_2, 115
ppl_assign_BD_Shape_float_from_BD_-
Shape_float, 114
ppl_BD_Shape_float_add_congruence, 107
ppl_BD_Shape_float_add_congruences, 108
ppl_BD_Shape_float_add_constraint, 107
ppl_BD_Shape_float_add_constraints, 107
ppl_BD_Shape_float_add_recycled_-
congruences, 114
ppl_BD_Shape_float_add_recycled_-
constraints, 114
ppl_BD_Shape_float_add_space_-
dimensions_and_embed, 110
ppl_BD_Shape_float_add_space_-
dimensions_and_project, 110
ppl_BD_Shape_float_affine_dimension, 104
ppl_BD_Shape_float_affine_image, 109
ppl_BD_Shape_float_affine_preimage, 109
ppl_BD_Shape_float_ascii_dump, 116
ppl_BD_Shape_float_ascii_load, 116
ppl_BD_Shape_float_BHMZ05_widening_-
assign, 112
ppl_BD_Shape_float_BHMZ05_widening_-
assign_with_tokens, 111
ppl_BD_Shape_float_bounded_affine_image,
109
ppl_BD_Shape_float_bounded_affine_-
preimage, 110
ppl_BD_Shape_float_bounds_from_above,
106
ppl_BD_Shape_float_bounds_from_below,
106
ppl_BD_Shape_float_CC76_extrapolation_-
assign, 113
ppl_BD_Shape_float_CC76_extrapolation_-
assign_with_tokens, 113
ppl_BD_Shape_float_CC76_narrowing_-
assign, 113
ppl_BD_Shape_float_concatenate_assign, 108
ppl_BD_Shape_float_constrains, 109
ppl_BD_Shape_float_contains_BD_Shape_-
float, 107
ppl_BD_Shape_float_contains_integer_point,
105
ppl_BD_Shape_float_difference_assign, 108
ppl_BD_Shape_float_drop_some_non_-
integer_points, 111
ppl_BD_Shape_float_drop_some_non_-
integer_points_2, 111
ppl_BD_Shape_float_equals_BD_Shape_-
float, 107
ppl_BD_Shape_float_expand_space_-
dimension, 111
ppl_BD_Shape_float_external_memory_in_-
bytes, 111
ppl_BD_Shape_float_fold_space_dimensions,
111
ppl_BD_Shape_float_frequency, 107

ppl_BD_Shape_float_generalized_affine_-image, 110
ppl_BD_Shape_float_generalized_affine_-image_lhs_rhs, 110
ppl_BD_Shape_float_generalized_affine_-preimage, 110
ppl_BD_Shape_float_generalized_affine_-preimage_lhs_rhs, 110
ppl_BD_Shape_float_get_congruences, 105
ppl_BD_Shape_float_get_constraints, 105
ppl_BD_Shape_float_get_minimized_-congruences, 105
ppl_BD_Shape_float_get_minimized_-constraints, 105
ppl_BD_Shape_float_H79_widening_assign, 112
ppl_BD_Shape_float_H79_widening_assign_-with_tokens, 112
ppl_BD_Shape_float_intersection_assign, 108
ppl_BD_Shape_float_is_bounded, 105
ppl_BD_Shape_float_is_discrete, 106
ppl_BD_Shape_float_is_disjoint_from_BD_-Shape_float, 107
ppl_BD_Shape_float_is_empty, 105
ppl_BD_Shape_float_is_topologically_closed, 106
ppl_BD_Shape_float_is_universe, 105
ppl_BD_Shape_float_limited_BHMZ05_-extrapolation_assign, 112
ppl_BD_Shape_float_limited_BHMZ05_-extrapolation_assign_with_tokens, 112
ppl_BD_Shape_float_limited_CC76_-extrapolation_assign, 113
ppl_BD_Shape_float_limited_CC76_-extrapolation_assign_with_tokens, 112
ppl_BD_Shape_float_limited_H79_-extrapolation_assign, 113
ppl_BD_Shape_float_limited_H79_-extrapolation_assign_with_tokens, 112
ppl_BD_Shape_float_linear_partition, 113
ppl_BD_Shape_float_map_space_dimensions, 111
ppl_BD_Shape_float_maximize, 106
ppl_BD_Shape_float_maximize_with_point, 106
ppl_BD_Shape_float_minimize, 106
ppl_BD_Shape_float_minimize_with_point, 106
ppl_BD_Shape_float_OK, 107
ppl_BD_Shape_float_refine_with_-congruence, 108
ppl_BD_Shape_float_refine_with_-congruences, 108
ppl_BD_Shape_float_refine_with_constraint, 108
ppl_BD_Shape_float_refine_with_constraints, 108
ppl_BD_Shape_float_relation_with_-Congruence, 105
ppl_BD_Shape_float_relation_with_-Constraint, 104
ppl_BD_Shape_float_relation_with_-Generator, 105
ppl_BD_Shape_float_remove_higher_space_-dimensions, 111
ppl_BD_Shape_float_remove_space_-dimensions, 110
ppl_BD_Shape_float_simplify_using_-context_assign, 109
ppl_BD_Shape_float_space_dimension, 104
ppl_BD_Shape_float_strictly_contains_BD_-Shape_float, 107
ppl_BD_Shape_float_time_elapse_assign, 109
ppl_BD_Shape_float_topological_closure_-assign, 106
ppl_BD_Shape_float_total_memory_in_bytes, 111
ppl_BD_Shape_float_unconstrain_space_-dimension, 109
ppl_BD_Shape_float_unconstrain_space_-dimensions, 109
ppl_BD_Shape_float_upper_bound_assign, 108
ppl_BD_Shape_float_upper_bound_assign_-if_exact, 109
ppl_BD_Shape_float_widening_assign, 112
ppl_BD_Shape_float_widening_assign_with_-tokens, 112
ppl_BD_Shape_float_wrap_assign, 113
ppl_delete_BD_Shape_float, 96
ppl_io_asprint_BD_Shape_float, 116
ppl_io_fprint_BD_Shape_float, 115
ppl_io_print_BD_Shape_float, 115
ppl_new_BD_Shape_float_from_BD_Shape_-double, 99
ppl_new_BD_Shape_float_from_BD_Shape_-double_with_complexity, 103
ppl_new_BD_Shape_float_from_BD_Shape_-float, 99
ppl_new_BD_Shape_float_from_BD_Shape_-float_with_complexity, 103
ppl_new_BD_Shape_float_from_BD_Shape_-int16_t, 97
ppl_new_BD_Shape_float_from_BD_Shape_-int16_t_with_complexity, 101

ppl_new_BD_Shape_float_from_BD_Shape_-int32_t, 97
ppl_new_BD_Shape_float_from_BD_Shape_-int32_t_with_complexity, 101
ppl_new_BD_Shape_float_from_BD_Shape_-int64_t, 97
ppl_new_BD_Shape_float_from_BD_Shape_-int64_t_with_complexity, 101
ppl_new_BD_Shape_float_from_BD_Shape_-int8_t, 97
ppl_new_BD_Shape_float_from_BD_Shape_-int8_t_with_complexity, 101
ppl_new_BD_Shape_float_from_BD_Shape_-long_double, 100
ppl_new_BD_Shape_float_from_BD_Shape_-long_double_with_complexity, 104
ppl_new_BD_Shape_float_from_BD_Shape_-mpq_class, 98
ppl_new_BD_Shape_float_from_BD_Shape_-mpq_class_with_complexity, 102
ppl_new_BD_Shape_float_from_BD_Shape_-mpz_class, 98
ppl_new_BD_Shape_float_from_BD_Shape_-mpz_class_with_complexity, 101
ppl_new_BD_Shape_float_from_C_-Polyhedron, 98
ppl_new_BD_Shape_float_from_C_-Polyhedron_with_complexity, 102
ppl_new_BD_Shape_float_from_-Congruence_System, 104
ppl_new_BD_Shape_float_from_Constraint_-System, 104
ppl_new_BD_Shape_float_from_Double_-Box, 99
ppl_new_BD_Shape_float_from_Double_-Box_with_complexity, 103
ppl_new_BD_Shape_float_from_Float_Box, 99
ppl_new_BD_Shape_float_from_Float_Box_-with_complexity, 103
ppl_new_BD_Shape_float_from_Generator_-System, 104
ppl_new_BD_Shape_float_from_Grid, 99
ppl_new_BD_Shape_float_from_Grid_with_-complexity, 103
ppl_new_BD_Shape_float_from_Int16_Box, 96
ppl_new_BD_Shape_float_from_Int16_Box_-with_complexity, 100
ppl_new_BD_Shape_float_from_Int32_Box, 96
ppl_new_BD_Shape_float_from_Int32_Box_-with_complexity, 100
ppl_new_BD_Shape_float_from_Int64_Box, 96
ppl_new_BD_Shape_float_from_Int64_Box_-with_complexity, 100
ppl_new_BD_Shape_float_from_Int8_Box, 96
ppl_new_BD_Shape_float_from_Int8_Box_-with_complexity, 100
ppl_new_BD_Shape_float_from_Long_-Double_Box, 99
ppl_new_BD_Shape_float_from_Long_-Double_Box_with_complexity, 104
ppl_new_BD_Shape_float_from_NNC_-Polyhedron, 99
ppl_new_BD_Shape_float_from_NNC_-Polyhedron_with_complexity, 103
ppl_new_BD_Shape_float_from_Octagonal_-Shape_double, 99
ppl_new_BD_Shape_float_from_Octagonal_-Shape_double_with_complexity, 103
ppl_new_BD_Shape_float_from_Octagonal_-Shape_float, 99
ppl_new_BD_Shape_float_from_Octagonal_-Shape_float_with_complexity, 103
ppl_new_BD_Shape_float_from_Octagonal_-Shape_int16_t, 98
ppl_new_BD_Shape_float_from_Octagonal_-Shape_int16_t_with_complexity, 102
ppl_new_BD_Shape_float_from_Octagonal_-Shape_int32_t, 98
ppl_new_BD_Shape_float_from_Octagonal_-Shape_int32_t_with_complexity, 102
ppl_new_BD_Shape_float_from_Octagonal_-Shape_int64_t, 98
ppl_new_BD_Shape_float_from_Octagonal_-Shape_int64_t_with_complexity, 102
ppl_new_BD_Shape_float_from_Octagonal_-Shape_int8_t, 98
ppl_new_BD_Shape_float_from_Octagonal_-Shape_int8_t_with_complexity, 102
ppl_new_BD_Shape_float_from_Octagonal_-Shape_long_double, 100
ppl_new_BD_Shape_float_from_Octagonal_-Shape_long_double_with_complexity, 104
ppl_new_BD_Shape_float_from_Octagonal_-Shape_mpq_class, 98
ppl_new_BD_Shape_float_from_Octagonal_-Shape_mpq_class_with_complexity, 102
ppl_new_BD_Shape_float_from_Octagonal_-Shape_mpz_class, 98
ppl_new_BD_Shape_float_from_Octagonal_-Shape_mpz_class_with_complexity, 102
ppl_new_BD_Shape_float_from_Rational_-

Box, 97
ppl_new_BD_Shape_float_from_Rational_-Box_with_complexity, 101
ppl_new_BD_Shape_float_from_space_-dimension, 96
ppl_new_BD_Shape_float_from_Uint16_Box, 97
ppl_new_BD_Shape_float_from_Uint16_-Box_with_complexity, 100
ppl_new_BD_Shape_float_from_Uint32_Box, 97
ppl_new_BD_Shape_float_from_Uint32_-Box_with_complexity, 100
ppl_new_BD_Shape_float_from_Uint64_Box, 97
ppl_new_BD_Shape_float_from_Uint64_-Box_with_complexity, 101
ppl_new_BD_Shape_float_from_Uint8_Box, 96
ppl_new_BD_Shape_float_from_Uint8_-Box_with_complexity, 100
ppl_new_BD_Shape_float_from_Z_Box, 97
ppl_new_BD_Shape_float_from_Z_Box_-with_complexity, 101
ppl_new_BD_Shape_float_recycle_-Congruence_System, 113
ppl_new_BD_Shape_float_recycle_-Constraint_System, 113
ppl_new_BD_Shape_float_recycle_-Generator_System, 114
ppl_one_affine_ranking_function_MS_BD_-Shape_float, 114
ppl_one_affine_ranking_function_MS_BD_-Shape_float_2, 115
ppl_one_affine_ranking_function_PR_BD_-Shape_float, 114
ppl_one_affine_ranking_function_PR_BD_-Shape_float_2, 115
ppl_termination_test_MS_BD_Shape_float, 114
ppl_termination_test_MS_BD_Shape_float_2, 115
ppl_termination_test_PR_BD_Shape_float, 114
ppl_termination_test_PR_BD_Shape_float_2, 115
ppl_BD_Shape_float_time_elapse_assign
ppl_BD_Shape_float_tag, 109
ppl_BD_Shape_float_topological_closure_assign
ppl_BD_Shape_float_tag, 106
ppl_BD_Shape_float_total_memory_in_bytes
ppl_BD_Shape_float_tag, 111
ppl_BD_Shape_float_unconstrain_space_-dimension
ppl_BD_Shape_float_tag, 109
ppl_BD_Shape_float_unconstrain_space_-dimensions
ppl_BD_Shape_float_tag, 109
ppl_BD_Shape_float_upper_bound_assign
ppl_BD_Shape_float_tag, 108
ppl_BD_Shape_float_upper_bound_assign_if_-exact
ppl_BD_Shape_float_tag, 109
ppl_BD_Shape_float_widening_assign
ppl_BD_Shape_float_tag, 112
ppl_BD_Shape_float_widening_assign_with_-tokens
ppl_BD_Shape_float_tag, 112
ppl_BD_Shape_float_wrap_assign
ppl_BD_Shape_float_tag, 113
ppl_BD_Shape_int16_t_add_congruence
ppl_BD_Shape_int16_t_tag, 135
ppl_BD_Shape_int16_t_add_congruences
ppl_BD_Shape_int16_t_tag, 135
ppl_BD_Shape_int16_t_add_constraint
ppl_BD_Shape_int16_t_tag, 135
ppl_BD_Shape_int16_t_add_constraints
ppl_BD_Shape_int16_t_tag, 135
ppl_BD_Shape_int16_t_add_recycled_-congruences
ppl_BD_Shape_int16_t_tag, 141
ppl_BD_Shape_int16_t_add_recycled_constraints
ppl_BD_Shape_int16_t_tag, 141
ppl_BD_Shape_int16_t_add_space_dimensions_-and_embed
ppl_BD_Shape_int16_t_tag, 138
ppl_BD_Shape_int16_t_add_space_dimensions_-and_project
ppl_BD_Shape_int16_t_tag, 138
ppl_BD_Shape_int16_t_affine_dimension
ppl_BD_Shape_int16_t_tag, 132
ppl_BD_Shape_int16_t_affine_image
ppl_BD_Shape_int16_t_tag, 137
ppl_BD_Shape_int16_t_affine_preimage
ppl_BD_Shape_int16_t_tag, 137
ppl_BD_Shape_int16_t_ascii_dump
ppl_BD_Shape_int16_t_tag, 143
ppl_BD_Shape_int16_t_ascii_load
ppl_BD_Shape_int16_t_tag, 143
ppl_BD_Shape_int16_t_BHMZ05_widening_-assign
ppl_BD_Shape_int16_t_tag, 139
ppl_BD_Shape_int16_t_BHMZ05_widening_-assign_with_tokens
ppl_BD_Shape_int16_t_tag, 139
ppl_BD_Shape_int16_t_bounded_affine_image
ppl_BD_Shape_int16_t_tag, 137
ppl_BD_Shape_int16_t_bounded_affine_preimage

ppl_BD_Shape_int16_t_tag, 137
ppl_BD_Shape_int16_t_bounds_from_above
ppl_BD_Shape_int16_t_tag, 133
ppl_BD_Shape_int16_t_bounds_from_below
ppl_BD_Shape_int16_t_tag, 133
ppl_BD_Shape_int16_t_CC76_extrapolation_-assign
ppl_BD_Shape_int16_t_tag, 140
ppl_BD_Shape_int16_t_CC76_extrapolation_-assign_with_tokens
ppl_BD_Shape_int16_t_tag, 140
ppl_BD_Shape_int16_t_CC76_narrowing_assign
ppl_BD_Shape_int16_t_tag, 141
ppl_BD_Shape_int16_t_concatenate_assign
ppl_BD_Shape_int16_t_tag, 136
ppl_BD_Shape_int16_t_constrains
ppl_BD_Shape_int16_t_tag, 136
ppl_BD_Shape_int16_t_contains_BD_Shape_-int16_t
ppl_BD_Shape_int16_t_tag, 134
ppl_BD_Shape_int16_t_contains_integer_point
ppl_BD_Shape_int16_t_tag, 133
ppl_BD_Shape_int16_t_difference_assign
ppl_BD_Shape_int16_t_tag, 136
ppl_BD_Shape_int16_t_drop_some_non_integer_-points
ppl_BD_Shape_int16_t_tag, 138
ppl_BD_Shape_int16_t_drop_some_non_integer_-points_2
ppl_BD_Shape_int16_t_tag, 139
ppl_BD_Shape_int16_t_equals_BD_Shape_int16_t
ppl_BD_Shape_int16_t_tag, 135
ppl_BD_Shape_int16_t_expand_space_dimension
ppl_BD_Shape_int16_t_tag, 138
ppl_BD_Shape_int16_t_external_memory_in_-bytes
ppl_BD_Shape_int16_t_tag, 139
ppl_BD_Shape_int16_t_fold_space_dimensions
ppl_BD_Shape_int16_t_tag, 138
ppl_BD_Shape_int16_t_frequency
ppl_BD_Shape_int16_t_tag, 134
ppl_BD_Shape_int16_t_generalized_affine_image
ppl_BD_Shape_int16_t_tag, 137
ppl_BD_Shape_int16_t_generalized_affine_-image_lhs_rhs
ppl_BD_Shape_int16_t_tag, 137
ppl_BD_Shape_int16_t_generalized_affine_-preimage
ppl_BD_Shape_int16_t_tag, 137
ppl_BD_Shape_int16_t_generalized_affine_-preimage_lhs_rhs
ppl_BD_Shape_int16_t_tag, 138
ppl_BD_Shape_int16_t_get_congruences
ppl_BD_Shape_int16_t_tag, 132
ppl_BD_Shape_int16_t_get_constraints
ppl_BD_Shape_int16_t_tag, 132
ppl_BD_Shape_int16_t_get_minimized_-congruences
ppl_BD_Shape_int16_t_tag, 133
ppl_BD_Shape_int16_t_get_minimized_-constraints
ppl_BD_Shape_int16_t_tag, 132
ppl_BD_Shape_int16_t_H79_widening_assign
ppl_BD_Shape_int16_t_tag, 139
ppl_BD_Shape_int16_t_H79_widening_assign_-with_tokens
ppl_BD_Shape_int16_t_tag, 139
ppl_BD_Shape_int16_t_intersection_assign
ppl_BD_Shape_int16_t_tag, 136
ppl_BD_Shape_int16_t_is_bounded
ppl_BD_Shape_int16_t_tag, 133
ppl_BD_Shape_int16_t_is_discrete
ppl_BD_Shape_int16_t_tag, 133
ppl_BD_Shape_int16_t_is_disjoint_from_BD_-Shape_int16_t
ppl_BD_Shape_int16_t_tag, 134
ppl_BD_Shape_int16_t_is_empty
ppl_BD_Shape_int16_t_tag, 133
ppl_BD_Shape_int16_t_is_topologically_closed
ppl_BD_Shape_int16_t_tag, 133
ppl_BD_Shape_int16_t_is_universe
ppl_BD_Shape_int16_t_tag, 133
ppl_BD_Shape_int16_t_limited_BHMZ05_-extrapolation_assign
ppl_BD_Shape_int16_t_tag, 140
ppl_BD_Shape_int16_t_limited_BHMZ05_-extrapolation_assign_with_tokens
ppl_BD_Shape_int16_t_tag, 140
ppl_BD_Shape_int16_t_limited_CC76_-extrapolation_assign
ppl_BD_Shape_int16_t_tag, 140
ppl_BD_Shape_int16_t_limited_CC76_-extrapolation_assign_with_tokens
ppl_BD_Shape_int16_t_tag, 140
ppl_BD_Shape_int16_t_limited_H79_-extrapolation_assign
ppl_BD_Shape_int16_t_tag, 140
ppl_BD_Shape_int16_t_limited_H79_-extrapolation_assign_with_tokens
ppl_BD_Shape_int16_t_tag, 140
ppl_BD_Shape_int16_t_linear_partition
ppl_BD_Shape_int16_t_tag, 141
ppl_BD_Shape_int16_t_map_space_dimensions
ppl_BD_Shape_int16_t_tag, 138
ppl_BD_Shape_int16_t_maximize
ppl_BD_Shape_int16_t_tag, 134
ppl_BD_Shape_int16_t_maximize_with_point
ppl_BD_Shape_int16_t_tag, 134

ppl_BD_Shape_int16_t_minimize
ppl_BD_Shape_int16_t_tag, 134
ppl_BD_Shape_int16_t_minimize_with_point
ppl_BD_Shape_int16_t_tag, 134
ppl_BD_Shape_int16_t_OK
ppl_BD_Shape_int16_t_tag, 135
ppl_BD_Shape_int16_t_refine_with_congruence
ppl_BD_Shape_int16_t_tag, 135
ppl_BD_Shape_int16_t_refine_with_congruences
ppl_BD_Shape_int16_t_tag, 135
ppl_BD_Shape_int16_t_refine_with_constraint
ppl_BD_Shape_int16_t_tag, 135
ppl_BD_Shape_int16_t_refine_with_constraints
ppl_BD_Shape_int16_t_tag, 135
ppl_BD_Shape_int16_t_relation_with_Congruence
ppl_BD_Shape_int16_t_tag, 132
ppl_BD_Shape_int16_t_relation_with_Constraint
ppl_BD_Shape_int16_t_tag, 132
ppl_BD_Shape_int16_t_relation_with_Generator
ppl_BD_Shape_int16_t_tag, 132
ppl_BD_Shape_int16_t_remove_higher_space_-
dimensions
ppl_BD_Shape_int16_t_tag, 138
ppl_BD_Shape_int16_t_remove_space_dimensions
ppl_BD_Shape_int16_t_tag, 138
ppl_BD_Shape_int16_t_simplify_using_context_-
assign
ppl_BD_Shape_int16_t_tag, 136
ppl_BD_Shape_int16_t_space_dimension
ppl_BD_Shape_int16_t_tag, 132
ppl_BD_Shape_int16_t_strictly_contains_BD_-
Shape_int16_t
ppl_BD_Shape_int16_t_tag, 134
ppl_BD_Shape_int16_t_tag, 116
ppl_all_affine_ranking_functions_MS_BD_-
Shape_int16_t, 142
ppl_all_affine_ranking_functions_MS_BD_-
Shape_int16_t_2, 143
ppl_all_affine_ranking_functions_PR_BD_-
Shape_int16_t, 142
ppl_all_affine_ranking_functions_PR_BD_-
Shape_int16_t_2, 143
ppl_assign_BD_Shape_int16_t_from_BD_-
Shape_int16_t, 141
ppl_BD_Shape_int16_t_add_congruence, 135
ppl_BD_Shape_int16_t_add_congruences,
135
ppl_BD_Shape_int16_t_add_constraint, 135
ppl_BD_Shape_int16_t_add_constraints, 135
ppl_BD_Shape_int16_t_add_recycled_-
congruences, 141
ppl_BD_Shape_int16_t_add_recycled_-
constraints, 141
ppl_BD_Shape_int16_t_add_space_-
dimensions_and_embed, 138
ppl_BD_Shape_int16_t_add_space_-
dimensions_and_project, 138
ppl_BD_Shape_int16_t_affine_dimension,
132
ppl_BD_Shape_int16_t_affine_image, 137
ppl_BD_Shape_int16_t_affine_preimage, 137
ppl_BD_Shape_int16_t_ascii_dump, 143
ppl_BD_Shape_int16_t_ascii_load, 143
ppl_BD_Shape_int16_t_BHMZ05_-
widening_assign, 139
ppl_BD_Shape_int16_t_BHMZ05_-
widening_assign_with_tokens, 139
ppl_BD_Shape_int16_t_bounded_affine_-
image, 137
ppl_BD_Shape_int16_t_bounded_affine_-
preimage, 137
ppl_BD_Shape_int16_t_bounds_from_above,
133
ppl_BD_Shape_int16_t_bounds_from_below,
133
ppl_BD_Shape_int16_t_CC76_-
extrapolation_assign, 140
ppl_BD_Shape_int16_t_CC76_-
extrapolation_assign_with_tokens,
140
ppl_BD_Shape_int16_t_CC76_narrowing_-
assign, 141
ppl_BD_Shape_int16_t_concatenate_assign,
136
ppl_BD_Shape_int16_t_constrains, 136
ppl_BD_Shape_int16_t_contains_BD_-
Shape_int16_t, 134
ppl_BD_Shape_int16_t_contains_integer_-
point, 133
ppl_BD_Shape_int16_t_difference_assign,
136
ppl_BD_Shape_int16_t_drop_some_non_-
integer_points, 138
ppl_BD_Shape_int16_t_drop_some_non_-
integer_points_2, 139
ppl_BD_Shape_int16_t_equals_BD_Shape_-
int16_t, 135
ppl_BD_Shape_int16_t_expand_space_-
dimension, 138
ppl_BD_Shape_int16_t_external_memory_-
in_bytes, 139
ppl_BD_Shape_int16_t_fold_space_-
dimensions, 138
ppl_BD_Shape_int16_t_frequency, 134
ppl_BD_Shape_int16_t_generalized_affine_-
image, 137

ppl_BD_Shape_int16_t_generalized_affine_-image_lhs_rhs, 137
ppl_BD_Shape_int16_t_generalized_affine_-preimage, 137
ppl_BD_Shape_int16_t_generalized_affine_-preimage_lhs_rhs, 138
ppl_BD_Shape_int16_t_get_congruences, 132
ppl_BD_Shape_int16_t_get_constraints, 132
ppl_BD_Shape_int16_t_get_minimized_-congruences, 133
ppl_BD_Shape_int16_t_get_minimized_-constraints, 132
ppl_BD_Shape_int16_t_H79_widening_-assign, 139
ppl_BD_Shape_int16_t_H79_widening_-assign_with_tokens, 139
ppl_BD_Shape_int16_t_intersection_assign, 136
ppl_BD_Shape_int16_t_is_bounded, 133
ppl_BD_Shape_int16_t_is_discrete, 133
ppl_BD_Shape_int16_t_is_disjoint_from_-BD_Shape_int16_t, 134
ppl_BD_Shape_int16_t_is_empty, 133
ppl_BD_Shape_int16_t_is_topologically_-closed, 133
ppl_BD_Shape_int16_t_is_universe, 133
ppl_BD_Shape_int16_t_limited_BHMZ05_-extrapolation_assign, 140
ppl_BD_Shape_int16_t_limited_BHMZ05_-extrapolation_assign_with_tokens, 140
ppl_BD_Shape_int16_t_limited_CC76_-extrapolation_assign, 140
ppl_BD_Shape_int16_t_limited_CC76_-extrapolation_assign_with_tokens, 140
ppl_BD_Shape_int16_t_limited_H79_-extrapolation_assign, 140
ppl_BD_Shape_int16_t_limited_H79_-extrapolation_assign_with_tokens, 140
ppl_BD_Shape_int16_t_linear_partition, 141
ppl_BD_Shape_int16_t_map_space_-dimensions, 138
ppl_BD_Shape_int16_t_maximize, 134
ppl_BD_Shape_int16_t_maximize_with_-point, 134
ppl_BD_Shape_int16_t_minimize, 134
ppl_BD_Shape_int16_t_minimize_with_-point, 134
ppl_BD_Shape_int16_t_OK, 135
ppl_BD_Shape_int16_t_refine_with_-congruence, 135
ppl_BD_Shape_int16_t_refine_with_-congruences, 135
ppl_BD_Shape_int16_t_refine_with_-constraint, 135
ppl_BD_Shape_int16_t_refine_with_-constraints, 135
ppl_BD_Shape_int16_t_relation_with_-Congruence, 132
ppl_BD_Shape_int16_t_relation_with_-Constraint, 132
ppl_BD_Shape_int16_t_relation_with_-Generator, 132
ppl_BD_Shape_int16_t_remove_higher_-space_dimensions, 138
ppl_BD_Shape_int16_t_remove_space_-dimensions, 138
ppl_BD_Shape_int16_t_simplify_using_-context_assign, 136
ppl_BD_Shape_int16_t_space_dimension, 132
ppl_BD_Shape_int16_t_strictly_contains_-BD_Shape_int16_t, 134
ppl_BD_Shape_int16_t_time_elapse_assign, 136
ppl_BD_Shape_int16_t_topological_closure_-assign, 133
ppl_BD_Shape_int16_t_total_memory_in_-bytes, 139
ppl_BD_Shape_int16_t_unconstrain_space_-dimension, 136
ppl_BD_Shape_int16_t_unconstrain_space_-dimensions, 137
ppl_BD_Shape_int16_t_upper_bound_assign, 136
ppl_BD_Shape_int16_t_upper_bound_-assign_if_exact, 136
ppl_BD_Shape_int16_t_widening_assign, 139
ppl_BD_Shape_int16_t_widening_assign_-with_tokens, 139
ppl_BD_Shape_int16_t_wrap_assign, 141
ppl_delete_BD_Shape_int16_t, 123
ppl_io_asprint_BD_Shape_int16_t, 143
ppl_io_fprint_BD_Shape_int16_t, 143
ppl_io_print_BD_Shape_int16_t, 143
ppl_new_BD_Shape_int16_t_from_BD_-Shape_double, 127
ppl_new_BD_Shape_int16_t_from_BD_-Shape_double_with_complexity, 131
ppl_new_BD_Shape_int16_t_from_BD_-Shape_float, 126
ppl_new_BD_Shape_int16_t_from_BD_-Shape_float_with_complexity, 130
ppl_new_BD_Shape_int16_t_from_BD_-Shape_int16_t, 125
ppl_new_BD_Shape_int16_t_from_BD_-Shape_int16_t_with_complexity, 128
ppl_new_BD_Shape_int16_t_from_BD_-Shape_int32_t, 125

ppl_new_BD_Shape_int16_t_from_BD_-Shape_int32_t_with_complexity, 129
ppl_new_BD_Shape_int16_t_from_BD_-Shape_int64_t, 125
ppl_new_BD_Shape_int16_t_from_BD_-Shape_int64_t_with_complexity, 129
ppl_new_BD_Shape_int16_t_from_BD_-Shape_int8_t, 124
ppl_new_BD_Shape_int16_t_from_BD_-Shape_int8_t_with_complexity, 128
ppl_new_BD_Shape_int16_t_from_BD_-Shape_long_double, 127
ppl_new_BD_Shape_int16_t_from_BD_-Shape_long_double_with_complexity, 131
ppl_new_BD_Shape_int16_t_from_BD_-Shape_mpq_class, 125
ppl_new_BD_Shape_int16_t_from_BD_-Shape_mpq_class_with_complexity, 129
ppl_new_BD_Shape_int16_t_from_BD_-Shape_mpz_class, 125
ppl_new_BD_Shape_int16_t_from_BD_-Shape_mpz_class_with_complexity, 129
ppl_new_BD_Shape_int16_t_from_C_-Polyhedron, 126
ppl_new_BD_Shape_int16_t_from_C_-Polyhedron_with_complexity, 130
ppl_new_BD_Shape_int16_t_from_-Congruence_System, 131
ppl_new_BD_Shape_int16_t_from_-Constraint_System, 131
ppl_new_BD_Shape_int16_t_from_Double_-Box, 126
ppl_new_BD_Shape_int16_t_from_Double_-Box_with_complexity, 131
ppl_new_BD_Shape_int16_t_from_Float_-Box, 126
ppl_new_BD_Shape_int16_t_from_Float_-Box_with_complexity, 130
ppl_new_BD_Shape_int16_t_from_-Generator_System, 132
ppl_new_BD_Shape_int16_t_from_Grid, 126
ppl_new_BD_Shape_int16_t_from_Grid_-with_complexity, 130
ppl_new_BD_Shape_int16_t_from_Int16_-Box, 123
ppl_new_BD_Shape_int16_t_from_Int16_-Box_with_complexity, 127
ppl_new_BD_Shape_int16_t_from_Int32_-Box, 124
ppl_new_BD_Shape_int16_t_from_Int32_-Box_with_complexity, 127
ppl_new_BD_Shape_int16_t_from_Int64_-Box, 124
ppl_new_BD_Shape_int16_t_from_Int64_-Box_with_complexity, 127
ppl_new_BD_Shape_int16_t_from_Int8_Box, 123
ppl_new_BD_Shape_int16_t_from_Int8_-Box_with_complexity, 127
ppl_new_BD_Shape_int16_t_from_Long_-Double_Box, 127
ppl_new_BD_Shape_int16_t_from_Long_-Double_Box_with_complexity, 131
ppl_new_BD_Shape_int16_t_from_NNC_-Polyhedron, 126
ppl_new_BD_Shape_int16_t_from_NNC_-Polyhedron_with_complexity, 130
ppl_new_BD_Shape_int16_t_from_-Octagonal_Shape_double, 127
ppl_new_BD_Shape_int16_t_from_-Octagonal_Shape_double_with_-complexity, 131
ppl_new_BD_Shape_int16_t_from_-Octagonal_Shape_float, 126
ppl_new_BD_Shape_int16_t_from_-Octagonal_Shape_float_with_-complexity, 130
ppl_new_BD_Shape_int16_t_from_-Octagonal_Shape_int16_t, 125
ppl_new_BD_Shape_int16_t_from_-Octagonal_Shape_int16_t_with_-complexity, 129
ppl_new_BD_Shape_int16_t_from_-Octagonal_Shape_int32_t, 125
ppl_new_BD_Shape_int16_t_from_-Octagonal_Shape_int32_t_with_-complexity, 129
ppl_new_BD_Shape_int16_t_from_-Octagonal_Shape_int64_t, 125
ppl_new_BD_Shape_int16_t_from_-Octagonal_Shape_int64_t_with_-complexity, 129
ppl_new_BD_Shape_int16_t_from_-Octagonal_Shape_int8_t, 125
ppl_new_BD_Shape_int16_t_from_-Octagonal_Shape_int8_t_with_-complexity, 129
ppl_new_BD_Shape_int16_t_from_-Octagonal_Shape_long_double, 127
ppl_new_BD_Shape_int16_t_from_-Octagonal_Shape_long_double_with_-complexity, 131
ppl_new_BD_Shape_int16_t_from_-Octagonal_Shape_mpq_class, 126
ppl_new_BD_Shape_int16_t_from_-

Octagonal_Shape_mpq_class_with_-complexity, 130
ppl_new_BD_Shape_int16_t_from_-Octagonal_Shape_mpz_class, 126
ppl_new_BD_Shape_int16_t_from_-Octagonal_Shape_mpz_class_with_-complexity, 130
ppl_new_BD_Shape_int16_t_from_-Rational_Box, 124
ppl_new_BD_Shape_int16_t_from_-Rational_Box_with_complexity, 128
ppl_new_BD_Shape_int16_t_from_space_-dimension, 123
ppl_new_BD_Shape_int16_t_from_Uint16_-Box, 124
ppl_new_BD_Shape_int16_t_from_Uint16_-Box_with_complexity, 128
ppl_new_BD_Shape_int16_t_from_Uint32_-Box, 124
ppl_new_BD_Shape_int16_t_from_Uint32_-Box_with_complexity, 128
ppl_new_BD_Shape_int16_t_from_Uint64_-Box, 124
ppl_new_BD_Shape_int16_t_from_Uint64_-Box_with_complexity, 128
ppl_new_BD_Shape_int16_t_from_Uint8_-Box, 124
ppl_new_BD_Shape_int16_t_from_Uint8_-Box_with_complexity, 128
ppl_new_BD_Shape_int16_t_from_Z_Box, 124
ppl_new_BD_Shape_int16_t_from_Z_Box_-with_complexity, 128
ppl_new_BD_Shape_int16_t_recycle_-Congruence_System, 141
ppl_new_BD_Shape_int16_t_recycle_-Constraint_System, 141
ppl_new_BD_Shape_int16_t_recycle_-Generator_System, 141
ppl_one_affine_ranking_function_MS_BD_-Shape_int16_t, 142
ppl_one_affine_ranking_function_MS_BD_-Shape_int16_t_2, 142
ppl_one_affine_ranking_function_PR_BD_-Shape_int16_t, 142
ppl_one_affine_ranking_function_PR_BD_-Shape_int16_t_2, 143
ppl_termination_test_MS_BD_Shape_int16_t, 142
ppl_termination_test_MS_BD_Shape_int16_-t_2, 142
ppl_termination_test_PR_BD_Shape_int16_t, 142
ppl_termination_test_PR_BD_Shape_int16_-t_2, 142
ppl_BD_Shape_int16_t_time_elapse_assign
ppl_BD_Shape_int16_t_tag, 136
ppl_BD_Shape_int16_t_topological_closure_-assign
ppl_BD_Shape_int16_t_tag, 133
ppl_BD_Shape_int16_t_total_memory_in_bytes
ppl_BD_Shape_int16_t_tag, 139
ppl_BD_Shape_int16_t_unconstrain_space_-dimension
ppl_BD_Shape_int16_t_tag, 136
ppl_BD_Shape_int16_t_unconstrain_space_-dimensions
ppl_BD_Shape_int16_t_tag, 137
ppl_BD_Shape_int16_t_upper_bound_assign
ppl_BD_Shape_int16_t_tag, 136
ppl_BD_Shape_int16_t_upper_bound_assign_if_-exact
ppl_BD_Shape_int16_t_tag, 136
ppl_BD_Shape_int16_t_widening_assign
ppl_BD_Shape_int16_t_tag, 139
ppl_BD_Shape_int16_t_widening_assign_with_-tokens
ppl_BD_Shape_int16_t_tag, 139
ppl_BD_Shape_int16_t_wrap_assign
ppl_BD_Shape_int16_t_tag, 141
ppl_BD_Shape_int32_t_add_congruence
ppl_BD_Shape_int32_t_tag, 162
ppl_BD_Shape_int32_t_add_congruences
ppl_BD_Shape_int32_t_tag, 163
ppl_BD_Shape_int32_t_add_constraint
ppl_BD_Shape_int32_t_tag, 162
ppl_BD_Shape_int32_t_add_constraints
ppl_BD_Shape_int32_t_tag, 162
ppl_BD_Shape_int32_t_add_recycled_-congruences
ppl_BD_Shape_int32_t_tag, 169
ppl_BD_Shape_int32_t_add_recycled_constraints
ppl_BD_Shape_int32_t_tag, 169
ppl_BD_Shape_int32_t_add_space_dimensions_-and_embed
ppl_BD_Shape_int32_t_tag, 165
ppl_BD_Shape_int32_t_add_space_dimensions_-and_project
ppl_BD_Shape_int32_t_tag, 165
ppl_BD_Shape_int32_t_affine_dimension
ppl_BD_Shape_int32_t_tag, 159
ppl_BD_Shape_int32_t_affine_image
ppl_BD_Shape_int32_t_tag, 164
ppl_BD_Shape_int32_t_affine_preimage
ppl_BD_Shape_int32_t_tag, 164
ppl_BD_Shape_int32_t_ascii_dump
ppl_BD_Shape_int32_t_tag, 171
ppl_BD_Shape_int32_t_ascii_load

ppl_BD_Shape_int32_t_tag, 171
ppl_BD_Shape_int32_t_BHMZ05_widening_-assign
ppl_BD_Shape_int32_t_tag, 167
ppl_BD_Shape_int32_t_BHMZ05_widening_-assign_with_tokens
ppl_BD_Shape_int32_t_tag, 166
ppl_BD_Shape_int32_t_bounded_affine_image
ppl_BD_Shape_int32_t_tag, 164
ppl_BD_Shape_int32_t_bounded_affine_preimage
ppl_BD_Shape_int32_t_tag, 165
ppl_BD_Shape_int32_t_bounds_from_above
ppl_BD_Shape_int32_t_tag, 161
ppl_BD_Shape_int32_t_bounds_from_below
ppl_BD_Shape_int32_t_tag, 161
ppl_BD_Shape_int32_t_CC76_extrapolation_-assign
ppl_BD_Shape_int32_t_tag, 168
ppl_BD_Shape_int32_t_CC76_extrapolation_-assign_with_tokens
ppl_BD_Shape_int32_t_tag, 168
ppl_BD_Shape_int32_t_CC76_narrowing_assign
ppl_BD_Shape_int32_t_tag, 168
ppl_BD_Shape_int32_t_concatenate_assign
ppl_BD_Shape_int32_t_tag, 163
ppl_BD_Shape_int32_t_constrains
ppl_BD_Shape_int32_t_tag, 164
ppl_BD_Shape_int32_t_contains_BD_Shape_-int32_t
ppl_BD_Shape_int32_t_tag, 162
ppl_BD_Shape_int32_t_contains_integer_point
ppl_BD_Shape_int32_t_tag, 160
ppl_BD_Shape_int32_t_difference_assign
ppl_BD_Shape_int32_t_tag, 163
ppl_BD_Shape_int32_t_drop_some_non_integer_-points
ppl_BD_Shape_int32_t_tag, 166
ppl_BD_Shape_int32_t_drop_some_non_integer_-points_2
ppl_BD_Shape_int32_t_tag, 166
ppl_BD_Shape_int32_t_equals_BD_Shape_int32_t
ppl_BD_Shape_int32_t_tag, 162
ppl_BD_Shape_int32_t_expand_space_dimension
ppl_BD_Shape_int32_t_tag, 166
ppl_BD_Shape_int32_t_external_memory_in_-bytes
ppl_BD_Shape_int32_t_tag, 166
ppl_BD_Shape_int32_t_fold_space_dimensions
ppl_BD_Shape_int32_t_tag, 166
ppl_BD_Shape_int32_t_frequency
ppl_BD_Shape_int32_t_tag, 162
ppl_BD_Shape_int32_t_generalized_affine_image
ppl_BD_Shape_int32_t_tag, 165
ppl_BD_Shape_int32_t_generalized_affine_-image_lhs_rhs
ppl_BD_Shape_int32_t_tag, 165
ppl_BD_Shape_int32_t_generalized_affine_-preimage
ppl_BD_Shape_int32_t_tag, 165
ppl_BD_Shape_int32_t_generalized_affine_-preimage_lhs_rhs
ppl_BD_Shape_int32_t_tag, 165
ppl_BD_Shape_int32_t_get_congruences
ppl_BD_Shape_int32_t_tag, 160
ppl_BD_Shape_int32_t_get_constraints
ppl_BD_Shape_int32_t_tag, 160
ppl_BD_Shape_int32_t_get_minimized_-congruences
ppl_BD_Shape_int32_t_tag, 160
ppl_BD_Shape_int32_t_get_minimized_-constraints
ppl_BD_Shape_int32_t_tag, 160
ppl_BD_Shape_int32_t_H79_widening_assign
ppl_BD_Shape_int32_t_tag, 167
ppl_BD_Shape_int32_t_H79_widening_assign_-with_tokens
ppl_BD_Shape_int32_t_tag, 167
ppl_BD_Shape_int32_t_intersection_assign
ppl_BD_Shape_int32_t_tag, 163
ppl_BD_Shape_int32_t_is_bounded
ppl_BD_Shape_int32_t_tag, 160
ppl_BD_Shape_int32_t_is_discrete
ppl_BD_Shape_int32_t_tag, 161
ppl_BD_Shape_int32_t_is_disjoint_from_BD_-Shape_int32_t
ppl_BD_Shape_int32_t_tag, 162
ppl_BD_Shape_int32_t_is_empty
ppl_BD_Shape_int32_t_tag, 160
ppl_BD_Shape_int32_t_is_topologically_closed
ppl_BD_Shape_int32_t_tag, 161
ppl_BD_Shape_int32_t_is_universe
ppl_BD_Shape_int32_t_tag, 160
ppl_BD_Shape_int32_t_limited_BHMZ05_-extrapolation_assign
ppl_BD_Shape_int32_t_tag, 168
ppl_BD_Shape_int32_t_limited_BHMZ05_-extrapolation_assign_with_tokens
ppl_BD_Shape_int32_t_tag, 167
ppl_BD_Shape_int32_t_limited_CC76_-extrapolation_assign
ppl_BD_Shape_int32_t_tag, 168
ppl_BD_Shape_int32_t_limited_CC76_-extrapolation_assign_with_tokens
ppl_BD_Shape_int32_t_tag, 167
ppl_BD_Shape_int32_t_limited_H79_-extrapolation_assign
ppl_BD_Shape_int32_t_tag, 168

ppl_BD_Shape_int32_t_limited_H79_-
extrapolation_assign_with_tokens
ppl_BD_Shape_int32_t_tag, 167
ppl_BD_Shape_int32_t_linear_partition
ppl_BD_Shape_int32_t_tag, 168
ppl_BD_Shape_int32_t_map_space_dimensions
ppl_BD_Shape_int32_t_tag, 166
ppl_BD_Shape_int32_t_maximize
ppl_BD_Shape_int32_t_tag, 161
ppl_BD_Shape_int32_t_maximize_with_point
ppl_BD_Shape_int32_t_tag, 161
ppl_BD_Shape_int32_t_minimize
ppl_BD_Shape_int32_t_tag, 161
ppl_BD_Shape_int32_t_minimize_with_point
ppl_BD_Shape_int32_t_tag, 161
ppl_BD_Shape_int32_t_OK
ppl_BD_Shape_int32_t_tag, 162
ppl_BD_Shape_int32_t_refine_with_congruence
ppl_BD_Shape_int32_t_tag, 163
ppl_BD_Shape_int32_t_refine_with_congruences
ppl_BD_Shape_int32_t_tag, 163
ppl_BD_Shape_int32_t_refine_with_constraint
ppl_BD_Shape_int32_t_tag, 163
ppl_BD_Shape_int32_t_refine_with_constraints
ppl_BD_Shape_int32_t_tag, 163
ppl_BD_Shape_int32_t_relation_with_Congruence
ppl_BD_Shape_int32_t_tag, 160
ppl_BD_Shape_int32_t_relation_with_Constraint
ppl_BD_Shape_int32_t_tag, 159
ppl_BD_Shape_int32_t_relation_with_Generator
ppl_BD_Shape_int32_t_tag, 160
ppl_BD_Shape_int32_t_remove_higher_space_-
dimensions
ppl_BD_Shape_int32_t_tag, 166
ppl_BD_Shape_int32_t_remove_space_dimensions
ppl_BD_Shape_int32_t_tag, 165
ppl_BD_Shape_int32_t_simplify_using_context_-
assign
ppl_BD_Shape_int32_t_tag, 164
ppl_BD_Shape_int32_t_space_dimension
ppl_BD_Shape_int32_t_tag, 159
ppl_BD_Shape_int32_t_strictly_contains_BD_-
Shape_int32_t
ppl_BD_Shape_int32_t_tag, 162
ppl_BD_Shape_int32_t_tag, 144
ppl_all_affine_ranking_functions_MS_BD_-
Shape_int32_t, 170
ppl_all_affine_ranking_functions_MS_BD_-
Shape_int32_t_2, 170
ppl_all_affine_ranking_functions_PR_BD_-
Shape_int32_t, 170
ppl_all_affine_ranking_functions_PR_BD_-
Shape_int32_t_2, 170
ppl_assign_BD_Shape_int32_t_from_BD_-
Shape_int32_t, 169
ppl_BD_Shape_int32_t_add_congruence, 162
ppl_BD_Shape_int32_t_add_congruences,
163
ppl_BD_Shape_int32_t_add_constraint, 162
ppl_BD_Shape_int32_t_add_constraints, 162
ppl_BD_Shape_int32_t_add_recycled_-
congruences, 169
ppl_BD_Shape_int32_t_add_recycled_-
constraints, 169
ppl_BD_Shape_int32_t_add_space_-
dimensions_and_embed, 165
ppl_BD_Shape_int32_t_add_space_-
dimensions_and_project, 165
ppl_BD_Shape_int32_t_affine_dimension,
159
ppl_BD_Shape_int32_t_affine_image, 164
ppl_BD_Shape_int32_t_affine_preimage, 164
ppl_BD_Shape_int32_t_ascii_dump, 171
ppl_BD_Shape_int32_t_ascii_load, 171
ppl_BD_Shape_int32_t_BHMZ05_-
widening_assign, 167
ppl_BD_Shape_int32_t_BHMZ05_-
widening_assign_with_tokens, 166
ppl_BD_Shape_int32_t_bounded_affine_-
image, 164
ppl_BD_Shape_int32_t_bounded_affine_-
preimage, 165
ppl_BD_Shape_int32_t_bounds_from_above,
161
ppl_BD_Shape_int32_t_bounds_from_below,
161
ppl_BD_Shape_int32_t_CC76_-
extrapolation_assign, 168
ppl_BD_Shape_int32_t_CC76_-
extrapolation_assign_with_tokens,
168
ppl_BD_Shape_int32_t_CC76_narrowing_-
assign, 168
ppl_BD_Shape_int32_t_concatenate_assign,
163
ppl_BD_Shape_int32_t_constrains, 164
ppl_BD_Shape_int32_t_contains_BD_-
Shape_int32_t, 162
ppl_BD_Shape_int32_t_contains_integer_-
point, 160
ppl_BD_Shape_int32_t_difference_assign,
163
ppl_BD_Shape_int32_t_drop_some_non_-
integer_points, 166
ppl_BD_Shape_int32_t_drop_some_non_-
integer_points_2, 166

ppl_BD_Shape_int32_t_equals_BD_Shape_-
int32_t, 162
ppl_BD_Shape_int32_t_expand_space_-
dimension, 166
ppl_BD_Shape_int32_t_external_memory_-
in_bytes, 166
ppl_BD_Shape_int32_t_fold_space_-
dimensions, 166
ppl_BD_Shape_int32_t_frequency, 162
ppl_BD_Shape_int32_t_generalized_affine_-
image, 165
ppl_BD_Shape_int32_t_generalized_affine_-
image_lhs_rhs, 165
ppl_BD_Shape_int32_t_generalized_affine_-
preimage, 165
ppl_BD_Shape_int32_t_generalized_affine_-
preimage_lhs_rhs, 165
ppl_BD_Shape_int32_t_get_congruences, 160
ppl_BD_Shape_int32_t_get_constraints, 160
ppl_BD_Shape_int32_t_get_minimized_-
congruences, 160
ppl_BD_Shape_int32_t_get_minimized_-
constraints, 160
ppl_BD_Shape_int32_t_H79_widening_-
assign, 167
ppl_BD_Shape_int32_t_H79_widening_-
assign_with_tokens, 167
ppl_BD_Shape_int32_t_intersection_assign,
163
ppl_BD_Shape_int32_t_is_bounded, 160
ppl_BD_Shape_int32_t_is_discrete, 161
ppl_BD_Shape_int32_t_is_disjoint_from_-
BD_Shape_int32_t, 162
ppl_BD_Shape_int32_t_is_empty, 160
ppl_BD_Shape_int32_t_is_topologically_-
closed, 161
ppl_BD_Shape_int32_t_is_universe, 160
ppl_BD_Shape_int32_t_limited_BHMZ05_-
extrapolation_assign, 168
ppl_BD_Shape_int32_t_limited_BHMZ05_-
extrapolation_assign_with_tokens, 167
ppl_BD_Shape_int32_t_limited_CC76_-
extrapolation_assign, 168
ppl_BD_Shape_int32_t_limited_CC76_-
extrapolation_assign_with_tokens, 167
ppl_BD_Shape_int32_t_limited_H79_-
extrapolation_assign, 168
ppl_BD_Shape_int32_t_limited_H79_-
extrapolation_assign_with_tokens, 167
ppl_BD_Shape_int32_t_linear_partition, 168
ppl_BD_Shape_int32_t_map_space_-
dimensions, 166
ppl_BD_Shape_int32_t_maximize, 161
ppl_BD_Shape_int32_t_maximize_with_-
point, 161
ppl_BD_Shape_int32_t_minimize, 161
ppl_BD_Shape_int32_t_minimize_with_-
point, 161
ppl_BD_Shape_int32_t_OK, 162
ppl_BD_Shape_int32_t_refine_with_-
congruence, 163
ppl_BD_Shape_int32_t_refine_with_-
congruences, 163
ppl_BD_Shape_int32_t_refine_with_-
constraint, 163
ppl_BD_Shape_int32_t_refine_with_-
constraints, 163
ppl_BD_Shape_int32_t_relation_with_-
Congruence, 160
ppl_BD_Shape_int32_t_relation_with_-
Constraint, 159
ppl_BD_Shape_int32_t_relation_with_-
Generator, 160
ppl_BD_Shape_int32_t_remove_higher_-
space_dimensions, 166
ppl_BD_Shape_int32_t_remove_space_-
dimensions, 165
ppl_BD_Shape_int32_t_simplify_using_-
context_assign, 164
ppl_BD_Shape_int32_t_space_dimension,
159
ppl_BD_Shape_int32_t_strictly_contains_-
BD_Shape_int32_t, 162
ppl_BD_Shape_int32_t_time_elapse_assign,
164
ppl_BD_Shape_int32_t_topological_closure_-
assign, 161
ppl_BD_Shape_int32_t_total_memory_in_-
bytes, 166
ppl_BD_Shape_int32_t_unconstrain_space_-
dimension, 164
ppl_BD_Shape_int32_t_unconstrain_space_-
dimensions, 164
ppl_BD_Shape_int32_t_upper_bound_assign,
163
ppl_BD_Shape_int32_t_upper_bound_-
assign_if_exact, 164
ppl_BD_Shape_int32_t_widening_assign, 167
ppl_BD_Shape_int32_t_widening_assign_-
with_tokens, 167
ppl_BD_Shape_int32_t_wrap_assign, 168
ppl_delete_BD_Shape_int32_t, 151
ppl_io_asprint_BD_Shape_int32_t, 171
ppl_io_fprint_BD_Shape_int32_t, 171
ppl_io_print_BD_Shape_int32_t, 171
ppl_new_BD_Shape_int32_t_from_BD_-
Shape_double, 154

ppl_new_BD_Shape_int32_t_from_BD_-Shape_double_with_complexity, 158
ppl_new_BD_Shape_int32_t_from_BD_-Shape_float, 154
ppl_new_BD_Shape_int32_t_from_BD_-Shape_float_with_complexity, 158
ppl_new_BD_Shape_int32_t_from_BD_-Shape_int16_t, 152
ppl_new_BD_Shape_int32_t_from_BD_-Shape_int16_t_with_complexity, 156
ppl_new_BD_Shape_int32_t_from_BD_-Shape_int32_t, 152
ppl_new_BD_Shape_int32_t_from_BD_-Shape_int32_t_with_complexity, 156
ppl_new_BD_Shape_int32_t_from_BD_-Shape_int64_t, 152
ppl_new_BD_Shape_int32_t_from_BD_-Shape_int64_t_with_complexity, 156
ppl_new_BD_Shape_int32_t_from_BD_-Shape_int8_t, 152
ppl_new_BD_Shape_int32_t_from_BD_-Shape_int8_t_with_complexity, 156
ppl_new_BD_Shape_int32_t_from_BD_-Shape_long_double, 154
ppl_new_BD_Shape_int32_t_from_BD_-Shape_long_double_with_complexity, 159
ppl_new_BD_Shape_int32_t_from_BD_-Shape_mpq_class, 152
ppl_new_BD_Shape_int32_t_from_BD_-Shape_mpq_class_with_complexity, 157
ppl_new_BD_Shape_int32_t_from_BD_-Shape_mpz_class, 152
ppl_new_BD_Shape_int32_t_from_BD_-Shape_mpz_class_with_complexity, 156
ppl_new_BD_Shape_int32_t_from_C_-Polyhedron, 153
ppl_new_BD_Shape_int32_t_from_C_-Polyhedron_with_complexity, 157
ppl_new_BD_Shape_int32_t_from_-Congruence_System, 159
ppl_new_BD_Shape_int32_t_from_-Constraint_System, 159
ppl_new_BD_Shape_int32_t_from_Double_-Box, 154
ppl_new_BD_Shape_int32_t_from_Double_-Box_with_complexity, 158
ppl_new_BD_Shape_int32_t_from_Float_-Box, 154
ppl_new_BD_Shape_int32_t_from_Float_-Box_with_complexity, 158
ppl_new_BD_Shape_int32_t_from_-Generator_System, 159
ppl_new_BD_Shape_int32_t_from_Grid, 154
ppl_new_BD_Shape_int32_t_from_Grid_-with_complexity, 158
ppl_new_BD_Shape_int32_t_from_Int16_-Box, 151
ppl_new_BD_Shape_int32_t_from_Int16_-Box_with_complexity, 155
ppl_new_BD_Shape_int32_t_from_Int32_-Box, 151
ppl_new_BD_Shape_int32_t_from_Int32_-Box_with_complexity, 155
ppl_new_BD_Shape_int32_t_from_Int64_-Box, 151
ppl_new_BD_Shape_int32_t_from_Int64_-Box_with_complexity, 155
ppl_new_BD_Shape_int32_t_from_Int8_Box, 151
ppl_new_BD_Shape_int32_t_from_Int8_-Box_with_complexity, 155
ppl_new_BD_Shape_int32_t_from_Long_-Double_Box, 154
ppl_new_BD_Shape_int32_t_from_Long_-Double_Box_with_complexity, 159
ppl_new_BD_Shape_int32_t_from_NNC_-Polyhedron, 153
ppl_new_BD_Shape_int32_t_from_NNC_-Polyhedron_with_complexity, 158
ppl_new_BD_Shape_int32_t_from_-Octagonal_Shape_double, 154
ppl_new_BD_Shape_int32_t_from_-Octagonal_Shape_double_with_-complexity, 158
ppl_new_BD_Shape_int32_t_from_-Octagonal_Shape_float, 154
ppl_new_BD_Shape_int32_t_from_-Octagonal_Shape_float_with_-complexity, 158
ppl_new_BD_Shape_int32_t_from_-Octagonal_Shape_int16_t, 153
ppl_new_BD_Shape_int32_t_from_-Octagonal_Shape_int16_t_with_-complexity, 157
ppl_new_BD_Shape_int32_t_from_-Octagonal_Shape_int32_t, 153
ppl_new_BD_Shape_int32_t_from_-Octagonal_Shape_int32_t_with_-complexity, 157
ppl_new_BD_Shape_int32_t_from_-Octagonal_Shape_int64_t, 153
ppl_new_BD_Shape_int32_t_from_-Octagonal_Shape_int64_t_with_-complexity, 157
ppl_new_BD_Shape_int32_t_from_-

Octagonal_Shape_int8_t, 153
ppl_new_BD_Shape_int32_t_from_-Octagonal_Shape_int8_t_with_-complexity, 157
ppl_new_BD_Shape_int32_t_from_-Octagonal_Shape_long_double, 155
ppl_new_BD_Shape_int32_t_from_-Octagonal_Shape_long_double_with_-complexity, 159
ppl_new_BD_Shape_int32_t_from_-Octagonal_Shape_mpq_class, 153
ppl_new_BD_Shape_int32_t_from_-Octagonal_Shape_mpq_class_with_-complexity, 157
ppl_new_BD_Shape_int32_t_from_-Octagonal_Shape_mpz_class, 153
ppl_new_BD_Shape_int32_t_from_-Octagonal_Shape_mpz_class_with_-complexity, 157
ppl_new_BD_Shape_int32_t_from_-Rational_Box, 152
ppl_new_BD_Shape_int32_t_from_-Rational_Box_with_complexity, 156
ppl_new_BD_Shape_int32_t_from_space_-dimension, 151
ppl_new_BD_Shape_int32_t_from_Uint16_-Box, 151
ppl_new_BD_Shape_int32_t_from_Uint16_-Box_with_complexity, 155
ppl_new_BD_Shape_int32_t_from_Uint32_-Box, 151
ppl_new_BD_Shape_int32_t_from_Uint32_-Box_with_complexity, 155
ppl_new_BD_Shape_int32_t_from_Uint64_-Box, 152
ppl_new_BD_Shape_int32_t_from_Uint64_-Box_with_complexity, 156
ppl_new_BD_Shape_int32_t_from_Uint8_-Box, 151
ppl_new_BD_Shape_int32_t_from_Uint8_-Box_with_complexity, 155
ppl_new_BD_Shape_int32_t_from_Z_Box, 152
ppl_new_BD_Shape_int32_t_from_Z_Box_-with_complexity, 156
ppl_new_BD_Shape_int32_t_recycle_-Congruence_System, 169
ppl_new_BD_Shape_int32_t_recycle_-Constraint_System, 169
ppl_new_BD_Shape_int32_t_recycle_-Generator_System, 169
ppl_one_affine_ranking_function_MS_BD_-Shape_int32_t, 169
ppl_one_affine_ranking_function_MS_BD_-Shape_int32_t_2, 170
ppl_one_affine_ranking_function_PR_BD_-Shape_int32_t, 170
ppl_one_affine_ranking_function_PR_BD_-Shape_int32_t_2, 170
ppl_termination_test_MS_BD_Shape_int32_t, 169
ppl_termination_test_MS_BD_Shape_int32_-t_2, 170
ppl_termination_test_PR_BD_Shape_int32_t, 169
ppl_termination_test_PR_BD_Shape_int32_-t_2, 170
ppl_BD_Shape_int32_t_time_elapse_assign
ppl_BD_Shape_int32_t_tag, 164
ppl_BD_Shape_int32_t_topological_closure_-assign
ppl_BD_Shape_int32_t_tag, 161
ppl_BD_Shape_int32_t_total_memory_in_bytes
ppl_BD_Shape_int32_t_tag, 166
ppl_BD_Shape_int32_t_unconstrain_space_-dimension
ppl_BD_Shape_int32_t_tag, 164
ppl_BD_Shape_int32_t_unconstrain_space_-dimensions
ppl_BD_Shape_int32_t_tag, 164
ppl_BD_Shape_int32_t_upper_bound_assign
ppl_BD_Shape_int32_t_tag, 163
ppl_BD_Shape_int32_t_upper_bound_assign_if_-exact
ppl_BD_Shape_int32_t_tag, 164
ppl_BD_Shape_int32_t_widening_assign
ppl_BD_Shape_int32_t_tag, 167
ppl_BD_Shape_int32_t_widening_assign_with_-tokens
ppl_BD_Shape_int32_t_tag, 167
ppl_BD_Shape_int32_t_wrap_assign
ppl_BD_Shape_int32_t_tag, 168
ppl_BD_Shape_int64_t_add_congruence
ppl_BD_Shape_int64_t_tag, 190
ppl_BD_Shape_int64_t_add_congruences
ppl_BD_Shape_int64_t_tag, 190
ppl_BD_Shape_int64_t_add_constraint
ppl_BD_Shape_int64_t_tag, 190
ppl_BD_Shape_int64_t_add_constraints
ppl_BD_Shape_int64_t_tag, 190
ppl_BD_Shape_int64_t_add_recycled_-congruences
ppl_BD_Shape_int64_t_tag, 197
ppl_BD_Shape_int64_t_add_recycled_constraints
ppl_BD_Shape_int64_t_tag, 197
ppl_BD_Shape_int64_t_add_space_dimensions_-and_embed
ppl_BD_Shape_int64_t_tag, 193

ppl_BD_Shape_int64_t_add_space_dimensions_-
and_project
ppl_BD_Shape_int64_t_tag, 193
ppl_BD_Shape_int64_t_affine_dimension
ppl_BD_Shape_int64_t_tag, 187
ppl_BD_Shape_int64_t_affine_image
ppl_BD_Shape_int64_t_tag, 192
ppl_BD_Shape_int64_t_affine_preimage
ppl_BD_Shape_int64_t_tag, 192
ppl_BD_Shape_int64_t_ascii_dump
ppl_BD_Shape_int64_t_tag, 199
ppl_BD_Shape_int64_t_ascii_load
ppl_BD_Shape_int64_t_tag, 199
ppl_BD_Shape_int64_t_BHMZ05_widening_-
assign
ppl_BD_Shape_int64_t_tag, 194
ppl_BD_Shape_int64_t_BHMZ05_widening_-
assign_with_tokens
ppl_BD_Shape_int64_t_tag, 194
ppl_BD_Shape_int64_t_bounded_affine_image
ppl_BD_Shape_int64_t_tag, 192
ppl_BD_Shape_int64_t_bounded_affine_preimage
ppl_BD_Shape_int64_t_tag, 192
ppl_BD_Shape_int64_t_bounds_from_above
ppl_BD_Shape_int64_t_tag, 189
ppl_BD_Shape_int64_t_bounds_from_below
ppl_BD_Shape_int64_t_tag, 189
ppl_BD_Shape_int64_t_CC76_extrapolation_-
assign
ppl_BD_Shape_int64_t_tag, 196
ppl_BD_Shape_int64_t_CC76_extrapolation_-
assign_with_tokens
ppl_BD_Shape_int64_t_tag, 196
ppl_BD_Shape_int64_t_CC76_narrowing_assign
ppl_BD_Shape_int64_t_tag, 196
ppl_BD_Shape_int64_t_concatenate_assign
ppl_BD_Shape_int64_t_tag, 191
ppl_BD_Shape_int64_t_constrains
ppl_BD_Shape_int64_t_tag, 192
ppl_BD_Shape_int64_t_contains_BD_Shape_-
int64_t
ppl_BD_Shape_int64_t_tag, 189
ppl_BD_Shape_int64_t_contains_integer_point
ppl_BD_Shape_int64_t_tag, 188
ppl_BD_Shape_int64_t_difference_assign
ppl_BD_Shape_int64_t_tag, 191
ppl_BD_Shape_int64_t_drop_some_non_integer_-
points
ppl_BD_Shape_int64_t_tag, 194
ppl_BD_Shape_int64_t_drop_some_non_integer_-
points_2
ppl_BD_Shape_int64_t_tag, 194
ppl_BD_Shape_int64_t_equals_BD_Shape_int64_t
ppl_BD_Shape_int64_t_tag, 190
ppl_BD_Shape_int64_t_expand_space_dimension
ppl_BD_Shape_int64_t_tag, 193
ppl_BD_Shape_int64_t_external_memory_in_-
bytes
ppl_BD_Shape_int64_t_tag, 194
ppl_BD_Shape_int64_t_fold_space_dimensions
ppl_BD_Shape_int64_t_tag, 193
ppl_BD_Shape_int64_t_frequency
ppl_BD_Shape_int64_t_tag, 189
ppl_BD_Shape_int64_t_generalized_affine_image
ppl_BD_Shape_int64_t_tag, 192
ppl_BD_Shape_int64_t_generalized_affine_-
image_lhs_rhs
ppl_BD_Shape_int64_t_tag, 193
ppl_BD_Shape_int64_t_generalized_affine_-
preimage
ppl_BD_Shape_int64_t_tag, 193
ppl_BD_Shape_int64_t_generalized_affine_-
preimage_lhs_rhs
ppl_BD_Shape_int64_t_tag, 193
ppl_BD_Shape_int64_t_get_congruences
ppl_BD_Shape_int64_t_tag, 188
ppl_BD_Shape_int64_t_get_constraints
ppl_BD_Shape_int64_t_tag, 188
ppl_BD_Shape_int64_t_get_minimized_-
congruences
ppl_BD_Shape_int64_t_tag, 188
ppl_BD_Shape_int64_t_get_minimized_-
constraints
ppl_BD_Shape_int64_t_tag, 188
ppl_BD_Shape_int64_t_H79_widening_assign
ppl_BD_Shape_int64_t_tag, 194
ppl_BD_Shape_int64_t_H79_widening_assign_-
with_tokens
ppl_BD_Shape_int64_t_tag, 194
ppl_BD_Shape_int64_t_intersection_assign
ppl_BD_Shape_int64_t_tag, 191
ppl_BD_Shape_int64_t_is_bounded
ppl_BD_Shape_int64_t_tag, 188
ppl_BD_Shape_int64_t_is_discrete
ppl_BD_Shape_int64_t_tag, 188
ppl_BD_Shape_int64_t_is_disjoint_from_BD_-
Shape_int64_t
ppl_BD_Shape_int64_t_tag, 190
ppl_BD_Shape_int64_t_is_empty
ppl_BD_Shape_int64_t_tag, 188
ppl_BD_Shape_int64_t_is_topologically_closed
ppl_BD_Shape_int64_t_tag, 188
ppl_BD_Shape_int64_t_is_universe
ppl_BD_Shape_int64_t_tag, 188
ppl_BD_Shape_int64_t_limited_BHMZ05_-
extrapolation_assign
ppl_BD_Shape_int64_t_tag, 195

ppl_BD_Shape_int64_t_limited_BHMZ05_-
extrapolation_assign_with_tokens
ppl_BD_Shape_int64_t_tag, 195
ppl_BD_Shape_int64_t_limited_CC76_-
extrapolation_assign
ppl_BD_Shape_int64_t_tag, 195
ppl_BD_Shape_int64_t_limited_CC76_-
extrapolation_assign_with_tokens
ppl_BD_Shape_int64_t_tag, 195
ppl_BD_Shape_int64_t_limited_H79_-
extrapolation_assign
ppl_BD_Shape_int64_t_tag, 195
ppl_BD_Shape_int64_t_limited_H79_-
extrapolation_assign_with_tokens
ppl_BD_Shape_int64_t_tag, 195
ppl_BD_Shape_int64_t_linear_partition
ppl_BD_Shape_int64_t_tag, 196
ppl_BD_Shape_int64_t_map_space_dimensions
ppl_BD_Shape_int64_t_tag, 194
ppl_BD_Shape_int64_t_maximize
ppl_BD_Shape_int64_t_tag, 189
ppl_BD_Shape_int64_t_maximize_with_point
ppl_BD_Shape_int64_t_tag, 189
ppl_BD_Shape_int64_t_minimize
ppl_BD_Shape_int64_t_tag, 189
ppl_BD_Shape_int64_t_minimize_with_point
ppl_BD_Shape_int64_t_tag, 189
ppl_BD_Shape_int64_t_OK
ppl_BD_Shape_int64_t_tag, 190
ppl_BD_Shape_int64_t_refine_with_congruence
ppl_BD_Shape_int64_t_tag, 190
ppl_BD_Shape_int64_t_refine_with_congruences
ppl_BD_Shape_int64_t_tag, 191
ppl_BD_Shape_int64_t_refine_with_constraint
ppl_BD_Shape_int64_t_tag, 190
ppl_BD_Shape_int64_t_refine_with_constraints
ppl_BD_Shape_int64_t_tag, 191
ppl_BD_Shape_int64_t_relation_with_Congruence
ppl_BD_Shape_int64_t_tag, 187
ppl_BD_Shape_int64_t_relation_with_Constraint
ppl_BD_Shape_int64_t_tag, 187
ppl_BD_Shape_int64_t_relation_with_Generator
ppl_BD_Shape_int64_t_tag, 187
ppl_BD_Shape_int64_t_remove_higher_space_-
dimensions
ppl_BD_Shape_int64_t_tag, 193
ppl_BD_Shape_int64_t_remove_space_dimensions
ppl_BD_Shape_int64_t_tag, 193
ppl_BD_Shape_int64_t_simplify_using_context_-
assign
ppl_BD_Shape_int64_t_tag, 191
ppl_BD_Shape_int64_t_space_dimension
ppl_BD_Shape_int64_t_tag, 187
ppl_BD_Shape_int64_t_strictly_contains_BD_-
Shape_int64_t
ppl_BD_Shape_int64_t_tag, 190
ppl_BD_Shape_int64_t_tag, 171
ppl_all_affine_ranking_functions_MS_BD_-
Shape_int64_t, 197
ppl_all_affine_ranking_functions_MS_BD_-
Shape_int64_t_2, 198
ppl_all_affine_ranking_functions_PR_BD_-
Shape_int64_t, 197
ppl_all_affine_ranking_functions_PR_BD_-
Shape_int64_t_2, 198
ppl_assign_BD_Shape_int64_t_from_BD_-
Shape_int64_t, 197
ppl_BD_Shape_int64_t_add_congruence, 190
ppl_BD_Shape_int64_t_add_congruences,
190
ppl_BD_Shape_int64_t_add_constraint, 190
ppl_BD_Shape_int64_t_add_constraints, 190
ppl_BD_Shape_int64_t_add_recycled_-
congruences, 197
ppl_BD_Shape_int64_t_add_recycled_-
constraints, 197
ppl_BD_Shape_int64_t_add_space_-
dimensions_and_embed, 193
ppl_BD_Shape_int64_t_add_space_-
dimensions_and_project, 193
ppl_BD_Shape_int64_t_affine_dimension,
187
ppl_BD_Shape_int64_t_affine_image, 192
ppl_BD_Shape_int64_t_affine_preimage, 192
ppl_BD_Shape_int64_t_ascii_dump, 199
ppl_BD_Shape_int64_t_ascii_load, 199
ppl_BD_Shape_int64_t_BHMZ05_-
widening_assign, 194
ppl_BD_Shape_int64_t_BHMZ05_-
widening_assign_with_tokens, 194
ppl_BD_Shape_int64_t_bounded_affine_-
image, 192
ppl_BD_Shape_int64_t_bounded_affine_-
preimage, 192
ppl_BD_Shape_int64_t_bounds_from_above,
189
ppl_BD_Shape_int64_t_bounds_from_below,
189
ppl_BD_Shape_int64_t_CC76_-
extrapolation_assign, 196
ppl_BD_Shape_int64_t_CC76_-
extrapolation_assign_with_tokens,
196
ppl_BD_Shape_int64_t_CC76_narrowing_-
assign, 196
ppl_BD_Shape_int64_t_concatenate_assign,
191

ppl_BD_Shape_int64_t_constrains, 192
ppl_BD_Shape_int64_t_contains_BD_-
Shape_int64_t, 189
ppl_BD_Shape_int64_t_contains_integer_-
point, 188
ppl_BD_Shape_int64_t_difference_assign,
191
ppl_BD_Shape_int64_t_drop_some_non_-
integer_points, 194
ppl_BD_Shape_int64_t_drop_some_non_-
integer_points_2, 194
ppl_BD_Shape_int64_t_equals_BD_Shape_-
int64_t, 190
ppl_BD_Shape_int64_t_expand_space_-
dimension, 193
ppl_BD_Shape_int64_t_external_memory_-
in_bytes, 194
ppl_BD_Shape_int64_t_fold_space_-
dimensions, 193
ppl_BD_Shape_int64_t_frequency, 189
ppl_BD_Shape_int64_t_generalized_affine_-
image, 192
ppl_BD_Shape_int64_t_generalized_affine_-
image_lhs_rhs, 193
ppl_BD_Shape_int64_t_generalized_affine_-
preimage, 193
ppl_BD_Shape_int64_t_generalized_affine_-
preimage_lhs_rhs, 193
ppl_BD_Shape_int64_t_get_congruences, 188
ppl_BD_Shape_int64_t_get_constraints, 188
ppl_BD_Shape_int64_t_get_minimized_-
congruences, 188
ppl_BD_Shape_int64_t_get_minimized_-
constraints, 188
ppl_BD_Shape_int64_t_H79_widening_-
assign, 194
ppl_BD_Shape_int64_t_H79_widening_-
assign_with_tokens, 194
ppl_BD_Shape_int64_t_intersection_assign,
191
ppl_BD_Shape_int64_t_is_bounded, 188
ppl_BD_Shape_int64_t_is_discrete, 188
ppl_BD_Shape_int64_t_is_disjoint_from_-
BD_Shape_int64_t, 190
ppl_BD_Shape_int64_t_is_empty, 188
ppl_BD_Shape_int64_t_is_topologically_-
closed, 188
ppl_BD_Shape_int64_t_is_universe, 188
ppl_BD_Shape_int64_t_limited_BHMZ05_-
extrapolation_assign, 195
ppl_BD_Shape_int64_t_limited_BHMZ05_-
extrapolation_assign_with_tokens, 195
ppl_BD_Shape_int64_t_limited_CC76_-
extrapolation_assign, 195
ppl_BD_Shape_int64_t_limited_CC76_-
extrapolation_assign_with_tokens, 195
ppl_BD_Shape_int64_t_limited_H79_-
extrapolation_assign, 195
ppl_BD_Shape_int64_t_limited_H79_-
extrapolation_assign_with_tokens, 195
ppl_BD_Shape_int64_t_linear_partition, 196
ppl_BD_Shape_int64_t_map_space_-
dimensions, 194
ppl_BD_Shape_int64_t_maximize, 189
ppl_BD_Shape_int64_t_maximize_with_-
point, 189
ppl_BD_Shape_int64_t_minimize, 189
ppl_BD_Shape_int64_t_minimize_with_-
point, 189
ppl_BD_Shape_int64_t_OK, 190
ppl_BD_Shape_int64_t_refine_with_-
congruence, 190
ppl_BD_Shape_int64_t_refine_with_-
congruences, 191
ppl_BD_Shape_int64_t_refine_with_-
constraint, 190
ppl_BD_Shape_int64_t_refine_with_-
constraints, 191
ppl_BD_Shape_int64_t_relation_with_-
Congruence, 187
ppl_BD_Shape_int64_t_relation_with_-
Constraint, 187
ppl_BD_Shape_int64_t_relation_with_-
Generator, 187
ppl_BD_Shape_int64_t_remove_higher_-
space_dimensions, 193
ppl_BD_Shape_int64_t_remove_space_-
dimensions, 193
ppl_BD_Shape_int64_t_simplify_using_-
context_assign, 191
ppl_BD_Shape_int64_t_space_dimension,
187
ppl_BD_Shape_int64_t_strictly_contains_-
BD_Shape_int64_t, 190
ppl_BD_Shape_int64_t_time_elapse_assign,
191
ppl_BD_Shape_int64_t_topological_closure_-
assign, 189
ppl_BD_Shape_int64_t_total_memory_in_-
bytes, 194
ppl_BD_Shape_int64_t_unconstrain_space_-
dimension, 192
ppl_BD_Shape_int64_t_unconstrain_space_-
dimensions, 192
ppl_BD_Shape_int64_t_upper_bound_assign,
191
ppl_BD_Shape_int64_t_upper_bound_-
assign_if_exact, 191

ppl_BD_Shape_int64_t_widening_assign, 195
ppl_BD_Shape_int64_t_widening_assign_-
with_tokens, 195
ppl_BD_Shape_int64_t_wrap_assign, 196
ppl_delete_BD_Shape_int64_t, 178
ppl_io_asprint_BD_Shape_int64_t, 198
ppl_io_fprint_BD_Shape_int64_t, 198
ppl_io_print_BD_Shape_int64_t, 198
ppl_new_BD_Shape_int64_t_from_BD_-
Shape_double, 182
ppl_new_BD_Shape_int64_t_from_BD_-
Shape_double_with_complexity, 186
ppl_new_BD_Shape_int64_t_from_BD_-
Shape_float, 182
ppl_new_BD_Shape_int64_t_from_BD_-
Shape_float_with_complexity, 186
ppl_new_BD_Shape_int64_t_from_BD_-
Shape_int16_t, 180
ppl_new_BD_Shape_int64_t_from_BD_-
Shape_int16_t_with_complexity, 184
ppl_new_BD_Shape_int64_t_from_BD_-
Shape_int32_t, 180
ppl_new_BD_Shape_int64_t_from_BD_-
Shape_int32_t_with_complexity, 184
ppl_new_BD_Shape_int64_t_from_BD_-
Shape_int64_t, 180
ppl_new_BD_Shape_int64_t_from_BD_-
Shape_int64_t_with_complexity, 184
ppl_new_BD_Shape_int64_t_from_BD_-
Shape_int8_t, 180
ppl_new_BD_Shape_int64_t_from_BD_-
Shape_int8_t_with_complexity, 184
ppl_new_BD_Shape_int64_t_from_BD_-
Shape_long_double, 182
ppl_new_BD_Shape_int64_t_from_BD_-
Shape_long_double_with_complexity,
186
ppl_new_BD_Shape_int64_t_from_BD_-
Shape_mpq_class, 180
ppl_new_BD_Shape_int64_t_from_BD_-
Shape_mpq_class_with_complexity,
184
ppl_new_BD_Shape_int64_t_from_BD_-
Shape_mpz_class, 180
ppl_new_BD_Shape_int64_t_from_BD_-
Shape_mpz_class_with_complexity,
184
ppl_new_BD_Shape_int64_t_from_C_-
Polyhedron, 181
ppl_new_BD_Shape_int64_t_from_C_-
Polyhedron_with_complexity, 185
ppl_new_BD_Shape_int64_t_from_-
Congruence_System, 187
ppl_new_BD_Shape_int64_t_from_-
Constraint_System, 187
ppl_new_BD_Shape_int64_t_from_Double_-
Box, 182
ppl_new_BD_Shape_int64_t_from_Double_-
Box_with_complexity, 186
ppl_new_BD_Shape_int64_t_from_Float_-
Box, 181
ppl_new_BD_Shape_int64_t_from_Float_-
Box_with_complexity, 186
ppl_new_BD_Shape_int64_t_from_-
Generator_System, 187
ppl_new_BD_Shape_int64_t_from_Grid, 181
ppl_new_BD_Shape_int64_t_from_Grid_-
with_complexity, 185
ppl_new_BD_Shape_int64_t_from_Int16_-
Box, 179
ppl_new_BD_Shape_int64_t_from_Int16_-
Box_with_complexity, 183
ppl_new_BD_Shape_int64_t_from_Int32_-
Box, 179
ppl_new_BD_Shape_int64_t_from_Int32_-
Box_with_complexity, 183
ppl_new_BD_Shape_int64_t_from_Int64_-
Box, 179
ppl_new_BD_Shape_int64_t_from_Int64_-
Box_with_complexity, 183
ppl_new_BD_Shape_int64_t_from_Int8_Box,
179
ppl_new_BD_Shape_int64_t_from_Int8_-
Box_with_complexity, 182
ppl_new_BD_Shape_int64_t_from_Long_-
Double_Box, 182
ppl_new_BD_Shape_int64_t_from_Long_-
Double_Box_with_complexity, 186
ppl_new_BD_Shape_int64_t_from_NNC_-
Polyhedron, 181
ppl_new_BD_Shape_int64_t_from_NNC_-
Polyhedron_with_complexity, 185
ppl_new_BD_Shape_int64_t_from_-
Octagonal_Shape_double, 182
ppl_new_BD_Shape_int64_t_from_-
Octagonal_Shape_double_with_-
complexity, 186
ppl_new_BD_Shape_int64_t_from_-
Octagonal_Shape_float, 182
ppl_new_BD_Shape_int64_t_from_-
Octagonal_Shape_float_with_-
complexity, 186
ppl_new_BD_Shape_int64_t_from_-
Octagonal_Shape_int16_t, 180
ppl_new_BD_Shape_int64_t_from_-
Octagonal_Shape_int16_t_with_-
complexity, 185

ppl_new_BD_Shape_int64_t_from_-
Octagonal_Shape_int32_t, 181
ppl_new_BD_Shape_int64_t_from_-
Octagonal_Shape_int32_t_with_-
complexity, 185
ppl_new_BD_Shape_int64_t_from_-
Octagonal_Shape_int64_t, 181
ppl_new_BD_Shape_int64_t_from_-
Octagonal_Shape_int64_t_with_-
complexity, 185
ppl_new_BD_Shape_int64_t_from_-
Octagonal_Shape_int8_t, 180
ppl_new_BD_Shape_int64_t_from_-
Octagonal_Shape_int8_t_with_-
complexity, 184
ppl_new_BD_Shape_int64_t_from_-
Octagonal_Shape_long_double, 182
ppl_new_BD_Shape_int64_t_from_-
Octagonal_Shape_long_double_with_-
complexity, 187
ppl_new_BD_Shape_int64_t_from_-
Octagonal_Shape_mpq_class, 181
ppl_new_BD_Shape_int64_t_from_-
Octagonal_Shape_mpq_class_with_-
complexity, 185
ppl_new_BD_Shape_int64_t_from_-
Octagonal_Shape_mpz_class, 181
ppl_new_BD_Shape_int64_t_from_-
Octagonal_Shape_mpz_class_with_-
complexity, 185
ppl_new_BD_Shape_int64_t_from_-
Rational_Box, 180
ppl_new_BD_Shape_int64_t_from_-
Rational_Box_with_complexity, 184
ppl_new_BD_Shape_int64_t_from_space_-
dimension, 178
ppl_new_BD_Shape_int64_t_from_Uint16_-
Box, 179
ppl_new_BD_Shape_int64_t_from_Uint16_-
Box_with_complexity, 183
ppl_new_BD_Shape_int64_t_from_Uint32_-
Box, 179
ppl_new_BD_Shape_int64_t_from_Uint32_-
Box_with_complexity, 183
ppl_new_BD_Shape_int64_t_from_Uint64_-
Box, 179
ppl_new_BD_Shape_int64_t_from_Uint64_-
Box_with_complexity, 183
ppl_new_BD_Shape_int64_t_from_Uint8_-
Box, 179
ppl_new_BD_Shape_int64_t_from_Uint8_-
Box_with_complexity, 183
ppl_new_BD_Shape_int64_t_from_Z_Box,
179
ppl_new_BD_Shape_int64_t_from_Z_Box_-
with_complexity, 183
ppl_new_BD_Shape_int64_t_recycle_-
Congruence_System, 196
ppl_new_BD_Shape_int64_t_recycle_-
Constraint_System, 196
ppl_new_BD_Shape_int64_t_recycle_-
Generator_System, 196
ppl_one_affine_ranking_function_MS_BD_-
Shape_int64_t, 197
ppl_one_affine_ranking_function_MS_BD_-
Shape_int64_t_2, 198
ppl_one_affine_ranking_function_PR_BD_-
Shape_int64_t, 197
ppl_one_affine_ranking_function_PR_BD_-
Shape_int64_t_2, 198
ppl_termination_test_MS_BD_Shape_int64_t,
197
ppl_termination_test_MS_BD_Shape_int64_-
t_2, 198
ppl_termination_test_PR_BD_Shape_int64_t,
197
ppl_termination_test_PR_BD_Shape_int64_-
t_2, 198
ppl_BD_Shape_int64_t_time_elapse_assign
ppl_BD_Shape_int64_t_tag, 191
ppl_BD_Shape_int64_t_topological_closure_-
assign
ppl_BD_Shape_int64_t_tag, 189
ppl_BD_Shape_int64_t_total_memory_in_bytes
ppl_BD_Shape_int64_t_tag, 194
ppl_BD_Shape_int64_t_unconstrain_space_-
dimension
ppl_BD_Shape_int64_t_tag, 192
ppl_BD_Shape_int64_t_unconstrain_space_-
dimensions
ppl_BD_Shape_int64_t_tag, 192
ppl_BD_Shape_int64_t_upper_bound_assign
ppl_BD_Shape_int64_t_tag, 191
ppl_BD_Shape_int64_t_upper_bound_assign_if_-
exact
ppl_BD_Shape_int64_t_tag, 191
ppl_BD_Shape_int64_t_widening_assign
ppl_BD_Shape_int64_t_tag, 195
ppl_BD_Shape_int64_t_widening_assign_with_-
tokens
ppl_BD_Shape_int64_t_tag, 195
ppl_BD_Shape_int64_t_wrap_assign
ppl_BD_Shape_int64_t_tag, 196
ppl_BD_Shape_int8_t_add_congruence
ppl_BD_Shape_int8_t_tag, 217
ppl_BD_Shape_int8_t_add_congruences
ppl_BD_Shape_int8_t_tag, 218
ppl_BD_Shape_int8_t_add_constraint

ppl_BD_Shape_int8_t_tag, 217
ppl_BD_Shape_int8_t_add_constraints
ppl_BD_Shape_int8_t_tag, 218
ppl_BD_Shape_int8_t_add_recycled_congruences
ppl_BD_Shape_int8_t_tag, 224
ppl_BD_Shape_int8_t_add_recycled_constraints
ppl_BD_Shape_int8_t_tag, 224
ppl_BD_Shape_int8_t_add_space_dimensions_-
and_embed
ppl_BD_Shape_int8_t_tag, 220
ppl_BD_Shape_int8_t_add_space_dimensions_-
and_project
ppl_BD_Shape_int8_t_tag, 220
ppl_BD_Shape_int8_t_affine_dimension
ppl_BD_Shape_int8_t_tag, 215
ppl_BD_Shape_int8_t_affine_image
ppl_BD_Shape_int8_t_tag, 219
ppl_BD_Shape_int8_t_affine_preimage
ppl_BD_Shape_int8_t_tag, 219
ppl_BD_Shape_int8_t_ascii_dump
ppl_BD_Shape_int8_t_tag, 226
ppl_BD_Shape_int8_t_ascii_load
ppl_BD_Shape_int8_t_tag, 226
ppl_BD_Shape_int8_t_BHMZ05_widening_assign
ppl_BD_Shape_int8_t_tag, 222
ppl_BD_Shape_int8_t_BHMZ05_widening_-
assign_with_tokens
ppl_BD_Shape_int8_t_tag, 222
ppl_BD_Shape_int8_t_bounded_affine_image
ppl_BD_Shape_int8_t_tag, 220
ppl_BD_Shape_int8_t_bounded_affine_preimage
ppl_BD_Shape_int8_t_tag, 220
ppl_BD_Shape_int8_t_bounds_from_above
ppl_BD_Shape_int8_t_tag, 216
ppl_BD_Shape_int8_t_bounds_from_below
ppl_BD_Shape_int8_t_tag, 216
ppl_BD_Shape_int8_t_CC76_extrapolation_assign
ppl_BD_Shape_int8_t_tag, 223
ppl_BD_Shape_int8_t_CC76_extrapolation_-
assign_with_tokens
ppl_BD_Shape_int8_t_tag, 223
ppl_BD_Shape_int8_t_CC76_narrowing_assign
ppl_BD_Shape_int8_t_tag, 223
ppl_BD_Shape_int8_t_concatenate_assign
ppl_BD_Shape_int8_t_tag, 219
ppl_BD_Shape_int8_t_constrains
ppl_BD_Shape_int8_t_tag, 219
ppl_BD_Shape_int8_t_contains_BD_Shape_int8_t
ppl_BD_Shape_int8_t_tag, 217
ppl_BD_Shape_int8_t_contains_integer_point
ppl_BD_Shape_int8_t_tag, 216
ppl_BD_Shape_int8_t_difference_assign
ppl_BD_Shape_int8_t_tag, 218
ppl_BD_Shape_int8_t_drop_some_non_integer_-
points
ppl_BD_Shape_int8_t_tag, 221
ppl_BD_Shape_int8_t_drop_some_non_integer_-
points_2
ppl_BD_Shape_int8_t_tag, 221
ppl_BD_Shape_int8_t_equals_BD_Shape_int8_t
ppl_BD_Shape_int8_t_tag, 217
ppl_BD_Shape_int8_t_expand_space_dimension
ppl_BD_Shape_int8_t_tag, 221
ppl_BD_Shape_int8_t_external_memory_in_bytes
ppl_BD_Shape_int8_t_tag, 221
ppl_BD_Shape_int8_t_fold_space_dimensions
ppl_BD_Shape_int8_t_tag, 221
ppl_BD_Shape_int8_t_frequency
ppl_BD_Shape_int8_t_tag, 217
ppl_BD_Shape_int8_t_generalized_affine_image
ppl_BD_Shape_int8_t_tag, 220
ppl_BD_Shape_int8_t_generalized_affine_image_-
lhs_rhs
ppl_BD_Shape_int8_t_tag, 220
ppl_BD_Shape_int8_t_generalized_affine_-
preimage
ppl_BD_Shape_int8_t_tag, 220
ppl_BD_Shape_int8_t_generalized_affine_-
preimage_lhs_rhs
ppl_BD_Shape_int8_t_tag, 220
ppl_BD_Shape_int8_t_get_congruences
ppl_BD_Shape_int8_t_tag, 215
ppl_BD_Shape_int8_t_get_constraints
ppl_BD_Shape_int8_t_tag, 215
ppl_BD_Shape_int8_t_get_minimized_-
congruences
ppl_BD_Shape_int8_t_tag, 215
ppl_BD_Shape_int8_t_get_minimized_constraints
ppl_BD_Shape_int8_t_tag, 215
ppl_BD_Shape_int8_t_H79_widening_assign
ppl_BD_Shape_int8_t_tag, 222
ppl_BD_Shape_int8_t_H79_widening_assign_-
with_tokens
ppl_BD_Shape_int8_t_tag, 222
ppl_BD_Shape_int8_t_intersection_assign
ppl_BD_Shape_int8_t_tag, 218
ppl_BD_Shape_int8_t_is_bounded
ppl_BD_Shape_int8_t_tag, 216
ppl_BD_Shape_int8_t_is_discrete
ppl_BD_Shape_int8_t_tag, 216
ppl_BD_Shape_int8_t_is_disjoint_from_BD_-
Shape_int8_t
ppl_BD_Shape_int8_t_tag, 217
ppl_BD_Shape_int8_t_is_empty
ppl_BD_Shape_int8_t_tag, 215
ppl_BD_Shape_int8_t_is_topologically_closed
ppl_BD_Shape_int8_t_tag, 216

ppl_BD_Shape_int8_t_is_universe
ppl_BD_Shape_int8_t_tag, 215
ppl_BD_Shape_int8_t_limited_BHMZ05_-
extrapolation_assign
ppl_BD_Shape_int8_t_tag, 223
ppl_BD_Shape_int8_t_limited_BHMZ05_-
extrapolation_assign_with_tokens
ppl_BD_Shape_int8_t_tag, 222
ppl_BD_Shape_int8_t_limited_CC76_-
extrapolation_assign
ppl_BD_Shape_int8_t_tag, 223
ppl_BD_Shape_int8_t_limited_CC76_-
extrapolation_assign_with_tokens
ppl_BD_Shape_int8_t_tag, 222
ppl_BD_Shape_int8_t_limited_H79_-
extrapolation_assign
ppl_BD_Shape_int8_t_tag, 223
ppl_BD_Shape_int8_t_limited_H79_-
extrapolation_assign_with_tokens
ppl_BD_Shape_int8_t_tag, 222
ppl_BD_Shape_int8_t_linear_partition
ppl_BD_Shape_int8_t_tag, 223
ppl_BD_Shape_int8_t_map_space_dimensions
ppl_BD_Shape_int8_t_tag, 221
ppl_BD_Shape_int8_t_maximize
ppl_BD_Shape_int8_t_tag, 216
ppl_BD_Shape_int8_t_maximize_with_point
ppl_BD_Shape_int8_t_tag, 216
ppl_BD_Shape_int8_t_minimize
ppl_BD_Shape_int8_t_tag, 216
ppl_BD_Shape_int8_t_minimize_with_point
ppl_BD_Shape_int8_t_tag, 217
ppl_BD_Shape_int8_t_OK
ppl_BD_Shape_int8_t_tag, 217
ppl_BD_Shape_int8_t_refine_with_congruence
ppl_BD_Shape_int8_t_tag, 218
ppl_BD_Shape_int8_t_refine_with_congruences
ppl_BD_Shape_int8_t_tag, 218
ppl_BD_Shape_int8_t_refine_with_constraint
ppl_BD_Shape_int8_t_tag, 218
ppl_BD_Shape_int8_t_refine_with_constraints
ppl_BD_Shape_int8_t_tag, 218
ppl_BD_Shape_int8_t_relation_with_Congruence
ppl_BD_Shape_int8_t_tag, 215
ppl_BD_Shape_int8_t_relation_with_Constraint
ppl_BD_Shape_int8_t_tag, 215
ppl_BD_Shape_int8_t_relation_with_Generator
ppl_BD_Shape_int8_t_tag, 215
ppl_BD_Shape_int8_t_remove_higher_space_-
dimensions
ppl_BD_Shape_int8_t_tag, 221
ppl_BD_Shape_int8_t_remove_space_dimensions
ppl_BD_Shape_int8_t_tag, 221
ppl_BD_Shape_int8_t_simplify_using_context_-
assign
ppl_BD_Shape_int8_t_tag, 219
ppl_BD_Shape_int8_t_space_dimension
ppl_BD_Shape_int8_t_tag, 214
ppl_BD_Shape_int8_t_strictly_contains_BD_-
Shape_int8_t
ppl_BD_Shape_int8_t_tag, 217
ppl_BD_Shape_int8_t_tag, 199
ppl_all_affine_ranking_functions_MS_BD_-
Shape_int8_t, 225
ppl_all_affine_ranking_functions_MS_BD_-
Shape_int8_t_2, 225
ppl_all_affine_ranking_functions_PR_BD_-
Shape_int8_t, 225
ppl_all_affine_ranking_functions_PR_BD_-
Shape_int8_t_2, 225
ppl_assign_BD_Shape_int8_t_from_BD_-
Shape_int8_t, 224
ppl_BD_Shape_int8_t_add_congruence, 217
ppl_BD_Shape_int8_t_add_congruences, 218
ppl_BD_Shape_int8_t_add_constraint, 217
ppl_BD_Shape_int8_t_add_constraints, 218
ppl_BD_Shape_int8_t_add_recycled_-
congruences, 224
ppl_BD_Shape_int8_t_add_recycled_-
constraints, 224
ppl_BD_Shape_int8_t_add_space_-
dimensions_and_embed, 220
ppl_BD_Shape_int8_t_add_space_-
dimensions_and_project, 220
ppl_BD_Shape_int8_t_affine_dimension, 215
ppl_BD_Shape_int8_t_affine_image, 219
ppl_BD_Shape_int8_t_affine_preimage, 219
ppl_BD_Shape_int8_t_ascii_dump, 226
ppl_BD_Shape_int8_t_ascii_load, 226
ppl_BD_Shape_int8_t_BHMZ05_widening_-
assign, 222
ppl_BD_Shape_int8_t_BHMZ05_widening_-
assign_with_tokens, 222
ppl_BD_Shape_int8_t_bounded_affine_-
image, 220
ppl_BD_Shape_int8_t_bounded_affine_-
preimage, 220
ppl_BD_Shape_int8_t_bounds_from_above,
216
ppl_BD_Shape_int8_t_bounds_from_below,
216
ppl_BD_Shape_int8_t_CC76_extrapolation_-
assign, 223
ppl_BD_Shape_int8_t_CC76_extrapolation_-
assign_with_tokens, 223
ppl_BD_Shape_int8_t_CC76_narrowing_-
assign, 223

ppl_BD_Shape_int8_t_concatenate_assign, 219
ppl_BD_Shape_int8_t_constrains, 219
ppl_BD_Shape_int8_t_contains_BD_Shape_int8_t, 217
ppl_BD_Shape_int8_t_contains_integer_point, 216
ppl_BD_Shape_int8_t_difference_assign, 218
ppl_BD_Shape_int8_t_drop_some_non_integer_points, 221
ppl_BD_Shape_int8_t_drop_some_non_integer_points_2, 221
ppl_BD_Shape_int8_t_equals_BD_Shape_int8_t, 217
ppl_BD_Shape_int8_t_expand_space_dimension, 221
ppl_BD_Shape_int8_t_external_memory_in_bytes, 221
ppl_BD_Shape_int8_t_fold_space_dimensions, 221
ppl_BD_Shape_int8_t_frequency, 217
ppl_BD_Shape_int8_t_generalized_affine_image, 220
ppl_BD_Shape_int8_t_generalized_affine_image_lhs_rhs, 220
ppl_BD_Shape_int8_t_generalized_affine_preimage, 220
ppl_BD_Shape_int8_t_generalized_affine_preimage_lhs_rhs, 220
ppl_BD_Shape_int8_t_get_congruences, 215
ppl_BD_Shape_int8_t_get_constraints, 215
ppl_BD_Shape_int8_t_get_minimized_congruences, 215
ppl_BD_Shape_int8_t_get_minimized_constraints, 215
ppl_BD_Shape_int8_t_H79_widening_assign, 222
ppl_BD_Shape_int8_t_H79_widening_assign_with_tokens, 222
ppl_BD_Shape_int8_t_intersection_assign, 218
ppl_BD_Shape_int8_t_is_bounded, 216
ppl_BD_Shape_int8_t_is_discrete, 216
ppl_BD_Shape_int8_t_is_disjoint_from_BD_Shape_int8_t, 217
ppl_BD_Shape_int8_t_is_empty, 215
ppl_BD_Shape_int8_t_is_topologically_closed, 216
ppl_BD_Shape_int8_t_is_universe, 215
ppl_BD_Shape_int8_t_limited_BHMZ05_extrapolation_assign, 223
ppl_BD_Shape_int8_t_limited_BHMZ05_extrapolation_assign_with_tokens, 222
ppl_BD_Shape_int8_t_limited_CC76_extrapolation_assign, 223
ppl_BD_Shape_int8_t_limited_CC76_extrapolation_assign_with_tokens, 222
ppl_BD_Shape_int8_t_limited_H79_extrapolation_assign, 223
ppl_BD_Shape_int8_t_limited_H79_extrapolation_assign_with_tokens, 222
ppl_BD_Shape_int8_t_linear_partition, 223
ppl_BD_Shape_int8_t_map_space_dimensions, 221
ppl_BD_Shape_int8_t_maximize, 216
ppl_BD_Shape_int8_t_maximize_with_point, 216
ppl_BD_Shape_int8_t_minimize, 216
ppl_BD_Shape_int8_t_minimize_with_point, 217
ppl_BD_Shape_int8_t_OK, 217
ppl_BD_Shape_int8_t_refine_with_congruence, 218
ppl_BD_Shape_int8_t_refine_with_congruences, 218
ppl_BD_Shape_int8_t_refine_with_constraint, 218
ppl_BD_Shape_int8_t_refine_with_constraints, 218
ppl_BD_Shape_int8_t_relation_with_Congruence, 215
ppl_BD_Shape_int8_t_relation_with_Constraint, 215
ppl_BD_Shape_int8_t_relation_with_Generator, 215
ppl_BD_Shape_int8_t_remove_higher_space_dimensions, 221
ppl_BD_Shape_int8_t_remove_space_dimensions, 221
ppl_BD_Shape_int8_t_simplify_using_context_assign, 219
ppl_BD_Shape_int8_t_space_dimension, 214
ppl_BD_Shape_int8_t_strictly_contains_BD_Shape_int8_t, 217
ppl_BD_Shape_int8_t_time_elapse_assign, 219
ppl_BD_Shape_int8_t_topological_closure_assign, 216
ppl_BD_Shape_int8_t_total_memory_in_bytes, 221
ppl_BD_Shape_int8_t_unconstrain_space_dimension, 219
ppl_BD_Shape_int8_t_unconstrain_space_dimensions, 219
ppl_BD_Shape_int8_t_upper_bound_assign, 218

ppl_BD_Shape_int8_t_upper_bound_assign_-
if_exact, 219
ppl_BD_Shape_int8_t_widening_assign, 222
ppl_BD_Shape_int8_t_widening_assign_-
with_tokens, 222
ppl_BD_Shape_int8_t_wrap_assign, 223
ppl_delete_BD_Shape_int8_t, 206
ppl_io_asprint_BD_Shape_int8_t, 226
ppl_io_fprint_BD_Shape_int8_t, 226
ppl_io_print_BD_Shape_int8_t, 226
ppl_new_BD_Shape_int8_t_from_BD_-
Shape_double, 209
ppl_new_BD_Shape_int8_t_from_BD_-
Shape_double_with_complexity, 213
ppl_new_BD_Shape_int8_t_from_BD_-
Shape_float, 209
ppl_new_BD_Shape_int8_t_from_BD_-
Shape_float_with_complexity, 213
ppl_new_BD_Shape_int8_t_from_BD_-
Shape_int16_t, 207
ppl_new_BD_Shape_int8_t_from_BD_-
Shape_int16_t_with_complexity, 211
ppl_new_BD_Shape_int8_t_from_BD_-
Shape_int32_t, 207
ppl_new_BD_Shape_int8_t_from_BD_-
Shape_int32_t_with_complexity, 211
ppl_new_BD_Shape_int8_t_from_BD_-
Shape_int64_t, 208
ppl_new_BD_Shape_int8_t_from_BD_-
Shape_int64_t_with_complexity, 211
ppl_new_BD_Shape_int8_t_from_BD_-
Shape_int8_t, 207
ppl_new_BD_Shape_int8_t_from_BD_-
Shape_int8_t_with_complexity, 211
ppl_new_BD_Shape_int8_t_from_BD_-
Shape_long_double, 210
ppl_new_BD_Shape_int8_t_from_BD_-
Shape_long_double_with_complexity,
214
ppl_new_BD_Shape_int8_t_from_BD_-
Shape_mpq_class, 208
ppl_new_BD_Shape_int8_t_from_BD_-
Shape_mpq_class_with_complexity,
212
ppl_new_BD_Shape_int8_t_from_BD_-
Shape_mpz_class, 208
ppl_new_BD_Shape_int8_t_from_BD_-
Shape_mpz_class_with_complexity,
212
ppl_new_BD_Shape_int8_t_from_C_-
Polyhedron, 209
ppl_new_BD_Shape_int8_t_from_C_-
Polyhedron_with_complexity, 213
ppl_new_BD_Shape_int8_t_from_-
Congruence_System, 214
ppl_new_BD_Shape_int8_t_from_-
Constraint_System, 214
ppl_new_BD_Shape_int8_t_from_Double_-
Box, 209
ppl_new_BD_Shape_int8_t_from_Double_-
Box_with_complexity, 213
ppl_new_BD_Shape_int8_t_from_Float_Box,
209
ppl_new_BD_Shape_int8_t_from_Float_-
Box_with_complexity, 213
ppl_new_BD_Shape_int8_t_from_-
Generator_System, 214
ppl_new_BD_Shape_int8_t_from_Grid, 209
ppl_new_BD_Shape_int8_t_from_Grid_-
with_complexity, 213
ppl_new_BD_Shape_int8_t_from_Int16_Box,
206
ppl_new_BD_Shape_int8_t_from_Int16_-
Box_with_complexity, 210
ppl_new_BD_Shape_int8_t_from_Int32_Box,
206
ppl_new_BD_Shape_int8_t_from_Int32_-
Box_with_complexity, 210
ppl_new_BD_Shape_int8_t_from_Int64_Box,
206
ppl_new_BD_Shape_int8_t_from_Int64_-
Box_with_complexity, 210
ppl_new_BD_Shape_int8_t_from_Int8_Box,
206
ppl_new_BD_Shape_int8_t_from_Int8_Box_-
with_complexity, 210
ppl_new_BD_Shape_int8_t_from_Long_-
Double_Box, 210
ppl_new_BD_Shape_int8_t_from_Long_-
Double_Box_with_complexity, 214
ppl_new_BD_Shape_int8_t_from_NNC_-
Polyhedron, 209
ppl_new_BD_Shape_int8_t_from_NNC_-
Polyhedron_with_complexity, 213
ppl_new_BD_Shape_int8_t_from_-
Octagonal_Shape_double, 209
ppl_new_BD_Shape_int8_t_from_-
Octagonal_Shape_double_with_-
complexity, 214
ppl_new_BD_Shape_int8_t_from_-
Octagonal_Shape_float, 209
ppl_new_BD_Shape_int8_t_from_-
Octagonal_Shape_float_with_-
complexity, 213
ppl_new_BD_Shape_int8_t_from_-
Octagonal_Shape_int16_t, 208
ppl_new_BD_Shape_int8_t_from_-

Octagonal_Shape_int16_t_with_-complexity, 212
ppl_new_BD_Shape_int8_t_from_-Octagonal_Shape_int32_t, 208
ppl_new_BD_Shape_int8_t_from_-Octagonal_Shape_int32_t_with_-complexity, 212
ppl_new_BD_Shape_int8_t_from_-Octagonal_Shape_int64_t, 208
ppl_new_BD_Shape_int8_t_from_-Octagonal_Shape_int64_t_with_-complexity, 212
ppl_new_BD_Shape_int8_t_from_-Octagonal_Shape_int8_t, 208
ppl_new_BD_Shape_int8_t_from_-Octagonal_Shape_int8_t_with_-complexity, 212
ppl_new_BD_Shape_int8_t_from_-Octagonal_Shape_long_double, 210
ppl_new_BD_Shape_int8_t_from_-Octagonal_Shape_long_double_with_-complexity, 214
ppl_new_BD_Shape_int8_t_from_-Octagonal_Shape_mpq_class, 208
ppl_new_BD_Shape_int8_t_from_-Octagonal_Shape_mpq_class_with_-complexity, 212
ppl_new_BD_Shape_int8_t_from_-Octagonal_Shape_mpz_class, 208
ppl_new_BD_Shape_int8_t_from_-Octagonal_Shape_mpz_class_with_-complexity, 212
ppl_new_BD_Shape_int8_t_from_Rational_-Box, 207
ppl_new_BD_Shape_int8_t_from_Rational_-Box_with_complexity, 211
ppl_new_BD_Shape_int8_t_from_space_-dimension, 206
ppl_new_BD_Shape_int8_t_from_Uint16_-Box, 207
ppl_new_BD_Shape_int8_t_from_Uint16_-Box_with_complexity, 210
ppl_new_BD_Shape_int8_t_from_Uint32_-Box, 207
ppl_new_BD_Shape_int8_t_from_Uint32_-Box_with_complexity, 211
ppl_new_BD_Shape_int8_t_from_Uint64_-Box, 207
ppl_new_BD_Shape_int8_t_from_Uint64_-Box_with_complexity, 211
ppl_new_BD_Shape_int8_t_from_Uint8_Box, 207
ppl_new_BD_Shape_int8_t_from_Uint8_-Box_with_complexity, 210
ppl_new_BD_Shape_int8_t_from_Z_Box, 207
ppl_new_BD_Shape_int8_t_from_Z_Box_-with_complexity, 211
ppl_new_BD_Shape_int8_t_recycle_-Congruence_System, 224
ppl_new_BD_Shape_int8_t_recycle_-Constraint_System, 224
ppl_new_BD_Shape_int8_t_recycle_-Generator_System, 224
ppl_one_affine_ranking_function_MS_BD_-Shape_int8_t, 224
ppl_one_affine_ranking_function_MS_BD_-Shape_int8_t_2, 225
ppl_one_affine_ranking_function_PR_BD_-Shape_int8_t, 225
ppl_one_affine_ranking_function_PR_BD_-Shape_int8_t_2, 225
ppl_termination_test_MS_BD_Shape_int8_t, 224
ppl_termination_test_MS_BD_Shape_int8_t_-2, 225
ppl_termination_test_PR_BD_Shape_int8_t, 224
ppl_termination_test_PR_BD_Shape_int8_t_-2, 225
ppl_BD_Shape_int8_t_time_elapse_assign
ppl_BD_Shape_int8_t_tag, 219
ppl_BD_Shape_int8_t_topological_closure_assign
ppl_BD_Shape_int8_t_tag, 216
ppl_BD_Shape_int8_t_total_memory_in_bytes
ppl_BD_Shape_int8_t_tag, 221
ppl_BD_Shape_int8_t_unconstrain_space_-dimension
ppl_BD_Shape_int8_t_tag, 219
ppl_BD_Shape_int8_t_unconstrain_space_-dimensions
ppl_BD_Shape_int8_t_tag, 219
ppl_BD_Shape_int8_t_upper_bound_assign
ppl_BD_Shape_int8_t_tag, 218
ppl_BD_Shape_int8_t_upper_bound_assign_if_-exact
ppl_BD_Shape_int8_t_tag, 219
ppl_BD_Shape_int8_t_widening_assign
ppl_BD_Shape_int8_t_tag, 222
ppl_BD_Shape_int8_t_widening_assign_with_-tokens
ppl_BD_Shape_int8_t_tag, 222
ppl_BD_Shape_int8_t_wrap_assign
ppl_BD_Shape_int8_t_tag, 223
ppl_BD_Shape_long_double_add_congruence
ppl_BD_Shape_long_double_tag, 246
ppl_BD_Shape_long_double_add_congruences
ppl_BD_Shape_long_double_tag, 246

ppl_BD_Shape_long_double_add_constraint
ppl_BD_Shape_long_double_tag, 245
ppl_BD_Shape_long_double_add_constraints
ppl_BD_Shape_long_double_tag, 246
ppl_BD_Shape_long_double_add_recycled_-congruences
ppl_BD_Shape_long_double_tag, 252
ppl_BD_Shape_long_double_add_recycled_-constraints
ppl_BD_Shape_long_double_tag, 252
ppl_BD_Shape_long_double_add_space_-dimensions_and_embed
ppl_BD_Shape_long_double_tag, 248
ppl_BD_Shape_long_double_add_space_-dimensions_and_project
ppl_BD_Shape_long_double_tag, 249
ppl_BD_Shape_long_double_affine_dimension
ppl_BD_Shape_long_double_tag, 242
ppl_BD_Shape_long_double_affine_image
ppl_BD_Shape_long_double_tag, 247
ppl_BD_Shape_long_double_affine_preimage
ppl_BD_Shape_long_double_tag, 248
ppl_BD_Shape_long_double_ascii_dump
ppl_BD_Shape_long_double_tag, 254
ppl_BD_Shape_long_double_ascii_load
ppl_BD_Shape_long_double_tag, 254
ppl_BD_Shape_long_double_BHMZ05_-widening_assign
ppl_BD_Shape_long_double_tag, 250
ppl_BD_Shape_long_double_BHMZ05_-widening_assign_with_tokens
ppl_BD_Shape_long_double_tag, 250
ppl_BD_Shape_long_double_bounded_affine_-image
ppl_BD_Shape_long_double_tag, 248
ppl_BD_Shape_long_double_bounded_affine_-preimage
ppl_BD_Shape_long_double_tag, 248
ppl_BD_Shape_long_double_bounds_from_above
ppl_BD_Shape_long_double_tag, 244
ppl_BD_Shape_long_double_bounds_from_below
ppl_BD_Shape_long_double_tag, 244
ppl_BD_Shape_long_double_CC76_-extrapolation_assign
ppl_BD_Shape_long_double_tag, 251
ppl_BD_Shape_long_double_CC76_-extrapolation_assign_with_tokens
ppl_BD_Shape_long_double_tag, 251
ppl_BD_Shape_long_double_CC76_narrowing_-assign
ppl_BD_Shape_long_double_tag, 251
ppl_BD_Shape_long_double_concatenate_assign
ppl_BD_Shape_long_double_tag, 247
ppl_BD_Shape_long_double_constrains
ppl_BD_Shape_long_double_tag, 247
ppl_BD_Shape_long_double_contains_BD_-Shape_long_double
ppl_BD_Shape_long_double_tag, 245
ppl_BD_Shape_long_double_contains_integer_-point
ppl_BD_Shape_long_double_tag, 243
ppl_BD_Shape_long_double_difference_assign
ppl_BD_Shape_long_double_tag, 247
ppl_BD_Shape_long_double_drop_some_non_-integer_points
ppl_BD_Shape_long_double_tag, 249
ppl_BD_Shape_long_double_drop_some_non_-integer_points_2
ppl_BD_Shape_long_double_tag, 249
ppl_BD_Shape_long_double_equals_BD_Shape_-long_double
ppl_BD_Shape_long_double_tag, 245
ppl_BD_Shape_long_double_expand_space_-dimension
ppl_BD_Shape_long_double_tag, 249
ppl_BD_Shape_long_double_external_memory_-in_bytes
ppl_BD_Shape_long_double_tag, 249
ppl_BD_Shape_long_double_fold_space_-dimensions
ppl_BD_Shape_long_double_tag, 249
ppl_BD_Shape_long_double_frequency
ppl_BD_Shape_long_double_tag, 245
ppl_BD_Shape_long_double_generalized_affine_-image
ppl_BD_Shape_long_double_tag, 248
ppl_BD_Shape_long_double_generalized_affine_-image_lhs_rhs
ppl_BD_Shape_long_double_tag, 248
ppl_BD_Shape_long_double_generalized_affine_-preimage
ppl_BD_Shape_long_double_tag, 248
ppl_BD_Shape_long_double_generalized_affine_-preimage_lhs_rhs
ppl_BD_Shape_long_double_tag, 248
ppl_BD_Shape_long_double_get_congruences
ppl_BD_Shape_long_double_tag, 243
ppl_BD_Shape_long_double_get_constraints
ppl_BD_Shape_long_double_tag, 243
ppl_BD_Shape_long_double_get_minimized_-congruences
ppl_BD_Shape_long_double_tag, 243
ppl_BD_Shape_long_double_get_minimized_-constraints
ppl_BD_Shape_long_double_tag, 243
ppl_BD_Shape_long_double_H79_widening_-assign
ppl_BD_Shape_long_double_tag, 250

ppl_BD_Shape_long_double_H79_widening_-assign_with_tokens
ppl_BD_Shape_long_double_tag, 250
ppl_BD_Shape_long_double_intersection_assign
ppl_BD_Shape_long_double_tag, 246
ppl_BD_Shape_long_double_is_bounded
ppl_BD_Shape_long_double_tag, 243
ppl_BD_Shape_long_double_is_discrete
ppl_BD_Shape_long_double_tag, 244
ppl_BD_Shape_long_double_is_disjoint_from_-BD_Shape_long_double
ppl_BD_Shape_long_double_tag, 245
ppl_BD_Shape_long_double_is_empty
ppl_BD_Shape_long_double_tag, 243
ppl_BD_Shape_long_double_is_topologically_-closed
ppl_BD_Shape_long_double_tag, 244
ppl_BD_Shape_long_double_is_universe
ppl_BD_Shape_long_double_tag, 243
ppl_BD_Shape_long_double_limited_BHMZ05_-extrapolation_assign
ppl_BD_Shape_long_double_tag, 251
ppl_BD_Shape_long_double_limited_BHMZ05_-extrapolation_assign_with_tokens
ppl_BD_Shape_long_double_tag, 250
ppl_BD_Shape_long_double_limited_CC76_-extrapolation_assign
ppl_BD_Shape_long_double_tag, 251
ppl_BD_Shape_long_double_limited_CC76_-extrapolation_assign_with_tokens
ppl_BD_Shape_long_double_tag, 251
ppl_BD_Shape_long_double_limited_H79_-extrapolation_assign
ppl_BD_Shape_long_double_tag, 251
ppl_BD_Shape_long_double_limited_H79_-extrapolation_assign_with_tokens
ppl_BD_Shape_long_double_tag, 251
ppl_BD_Shape_long_double_linear_partition
ppl_BD_Shape_long_double_tag, 252
ppl_BD_Shape_long_double_map_space_-dimensions
ppl_BD_Shape_long_double_tag, 249
ppl_BD_Shape_long_double_maximize
ppl_BD_Shape_long_double_tag, 244
ppl_BD_Shape_long_double_maximize_with_-point
ppl_BD_Shape_long_double_tag, 244
ppl_BD_Shape_long_double_minimize
ppl_BD_Shape_long_double_tag, 244
ppl_BD_Shape_long_double_minimize_with_point
ppl_BD_Shape_long_double_tag, 245
ppl_BD_Shape_long_double_OK
ppl_BD_Shape_long_double_tag, 245
ppl_BD_Shape_long_double_refine_with_-congruence
ppl_BD_Shape_long_double_tag, 246
ppl_BD_Shape_long_double_refine_with_-congruences
ppl_BD_Shape_long_double_tag, 246
ppl_BD_Shape_long_double_refine_with_-constraint
ppl_BD_Shape_long_double_tag, 246
ppl_BD_Shape_long_double_refine_with_-constraints
ppl_BD_Shape_long_double_tag, 246
ppl_BD_Shape_long_double_relation_with_-Congruence
ppl_BD_Shape_long_double_tag, 243
ppl_BD_Shape_long_double_relation_with_-Constraint
ppl_BD_Shape_long_double_tag, 242
ppl_BD_Shape_long_double_relation_with_-Generator
ppl_BD_Shape_long_double_tag, 242
ppl_BD_Shape_long_double_remove_higher_-space_dimensions
ppl_BD_Shape_long_double_tag, 249
ppl_BD_Shape_long_double_remove_space_-dimensions
ppl_BD_Shape_long_double_tag, 249
ppl_BD_Shape_long_double_simplify_using_-context_assign
ppl_BD_Shape_long_double_tag, 247
ppl_BD_Shape_long_double_space_dimension
ppl_BD_Shape_long_double_tag, 242
ppl_BD_Shape_long_double_strictly_contains_-BD_Shape_long_double
ppl_BD_Shape_long_double_tag, 245
ppl_BD_Shape_long_double_tag, 226
ppl_all_affine_ranking_functions_MS_BD_-Shape_long_double, 253
ppl_all_affine_ranking_functions_MS_BD_-Shape_long_double_2, 254
ppl_all_affine_ranking_functions_PR_BD_-Shape_long_double, 253
ppl_all_affine_ranking_functions_PR_BD_-Shape_long_double_2, 254
ppl_assign_BD_Shape_long_double_from_-BD_Shape_long_double, 252
ppl_BD_Shape_long_double_add_-congruence, 246
ppl_BD_Shape_long_double_add_-congruences, 246
ppl_BD_Shape_long_double_add_constraint, 245
ppl_BD_Shape_long_double_add_constraints, 246

ppl_BD_Shape_long_double_add_recycled_-congruences, 252
ppl_BD_Shape_long_double_add_recycled_-constraints, 252
ppl_BD_Shape_long_double_add_space_-dimensions_and_embed, 248
ppl_BD_Shape_long_double_add_space_-dimensions_and_project, 249
ppl_BD_Shape_long_double_affine_-dimension, 242
ppl_BD_Shape_long_double_affine_image, 247
ppl_BD_Shape_long_double_affine_-preimage, 248
ppl_BD_Shape_long_double_ascii_dump, 254
ppl_BD_Shape_long_double_ascii_load, 254
ppl_BD_Shape_long_double_BHMZ05_-widening_assign, 250
ppl_BD_Shape_long_double_BHMZ05_-widening_assign_with_tokens, 250
ppl_BD_Shape_long_double_bounded_-affine_image, 248
ppl_BD_Shape_long_double_bounded_-affine_preimage, 248
ppl_BD_Shape_long_double_bounds_from_-above, 244
ppl_BD_Shape_long_double_bounds_from_-below, 244
ppl_BD_Shape_long_double_CC76_-extrapolation_assign, 251
ppl_BD_Shape_long_double_CC76_-extrapolation_assign_with_tokens, 251
ppl_BD_Shape_long_double_CC76_-narrowing_assign, 251
ppl_BD_Shape_long_double_concatenate_-assign, 247
ppl_BD_Shape_long_double_constrains, 247
ppl_BD_Shape_long_double_contains_BD_-Shape_long_double, 245
ppl_BD_Shape_long_double_contains_-integer_point, 243
ppl_BD_Shape_long_double_difference_-assign, 247
ppl_BD_Shape_long_double_drop_some_-non_integer_points, 249
ppl_BD_Shape_long_double_drop_some_-non_integer_points_2, 249
ppl_BD_Shape_long_double_equals_BD_-Shape_long_double, 245
ppl_BD_Shape_long_double_expand_space_-dimension, 249
ppl_BD_Shape_long_double_external_-memory_in_bytes, 249
ppl_BD_Shape_long_double_fold_space_-dimensions, 249
ppl_BD_Shape_long_double_frequency, 245
ppl_BD_Shape_long_double_generalized_-affine_image, 248
ppl_BD_Shape_long_double_generalized_-affine_image_lhs_rhs, 248
ppl_BD_Shape_long_double_generalized_-affine_preimage, 248
ppl_BD_Shape_long_double_generalized_-affine_preimage_lhs_rhs, 248
ppl_BD_Shape_long_double_get_-congruences, 243
ppl_BD_Shape_long_double_get_constraints, 243
ppl_BD_Shape_long_double_get_-minimized_congruences, 243
ppl_BD_Shape_long_double_get_-minimized_constraints, 243
ppl_BD_Shape_long_double_H79_-widening_assign, 250
ppl_BD_Shape_long_double_H79_-widening_assign_with_tokens, 250
ppl_BD_Shape_long_double_intersection_-assign, 246
ppl_BD_Shape_long_double_is_bounded, 243
ppl_BD_Shape_long_double_is_discrete, 244
ppl_BD_Shape_long_double_is_disjoint_-from_BD_Shape_long_double, 245
ppl_BD_Shape_long_double_is_empty, 243
ppl_BD_Shape_long_double_is_-topologically_closed, 244
ppl_BD_Shape_long_double_is_universe, 243
ppl_BD_Shape_long_double_limited_-BHMZ05_extrapolation_assign, 251
ppl_BD_Shape_long_double_limited_-BHMZ05_extrapolation_assign_with_-tokens, 250
ppl_BD_Shape_long_double_limited_CC76_-extrapolation_assign, 251
ppl_BD_Shape_long_double_limited_CC76_-extrapolation_assign_with_tokens, 251
ppl_BD_Shape_long_double_limited_H79_-extrapolation_assign, 251
ppl_BD_Shape_long_double_limited_H79_-extrapolation_assign_with_tokens, 251
ppl_BD_Shape_long_double_linear_partition, 252
ppl_BD_Shape_long_double_map_space_-dimensions, 249
ppl_BD_Shape_long_double_maximize, 244
ppl_BD_Shape_long_double_maximize_-with_point, 244
ppl_BD_Shape_long_double_minimize, 244

ppl_BD_Shape_long_double_minimize_-
with_point, 245
ppl_BD_Shape_long_double_OK, 245
ppl_BD_Shape_long_double_refine_with_-
congruence, 246
ppl_BD_Shape_long_double_refine_with_-
congruences, 246
ppl_BD_Shape_long_double_refine_with_-
constraint, 246
ppl_BD_Shape_long_double_refine_with_-
constraints, 246
ppl_BD_Shape_long_double_relation_with_-
Congruence, 243
ppl_BD_Shape_long_double_relation_with_-
Constraint, 242
ppl_BD_Shape_long_double_relation_with_-
Generator, 242
ppl_BD_Shape_long_double_remove_-
higher_space_dimensions, 249
ppl_BD_Shape_long_double_remove_space_-
dimensions, 249
ppl_BD_Shape_long_double_simplify_-
using_context_assign, 247
ppl_BD_Shape_long_double_space_-
dimension, 242
ppl_BD_Shape_long_double_strictly_-
contains_BD_Shape_long_double,
245
ppl_BD_Shape_long_double_time_elapse_-
assign, 247
ppl_BD_Shape_long_double_topological_-
closure_assign, 244
ppl_BD_Shape_long_double_total_memory_-
in_bytes, 250
ppl_BD_Shape_long_double_unconstrain_-
space_dimension, 247
ppl_BD_Shape_long_double_unconstrain_-
space_dimensions, 247
ppl_BD_Shape_long_double_upper_bound_-
assign, 246
ppl_BD_Shape_long_double_upper_bound_-
assign_if_exact, 247
ppl_BD_Shape_long_double_widening_-
assign, 250
ppl_BD_Shape_long_double_widening_-
assign_with_tokens, 250
ppl_BD_Shape_long_double_wrap_assign,
252
ppl_delete_BD_Shape_long_double, 234
ppl_io_asprint_BD_Shape_long_double, 254
ppl_io_fprint_BD_Shape_long_double, 254
ppl_io_print_BD_Shape_long_double, 254
ppl_new_BD_Shape_long_double_from_-
BD_Shape_double, 237
ppl_new_BD_Shape_long_double_from_-
BD_Shape_double_with_complexity,
241
ppl_new_BD_Shape_long_double_from_-
BD_Shape_float, 237
ppl_new_BD_Shape_long_double_from_-
BD_Shape_float_with_complexity, 241
ppl_new_BD_Shape_long_double_from_-
BD_Shape_int16_t, 235
ppl_new_BD_Shape_long_double_from_-
BD_Shape_int16_t_with_complexity,
239
ppl_new_BD_Shape_long_double_from_-
BD_Shape_int32_t, 235
ppl_new_BD_Shape_long_double_from_-
BD_Shape_int32_t_with_complexity,
239
ppl_new_BD_Shape_long_double_from_-
BD_Shape_int64_t, 235
ppl_new_BD_Shape_long_double_from_-
BD_Shape_int64_t_with_complexity,
239
ppl_new_BD_Shape_long_double_from_-
BD_Shape_int8_t, 235
ppl_new_BD_Shape_long_double_from_-
BD_Shape_int8_t_with_complexity,
239
ppl_new_BD_Shape_long_double_from_-
BD_Shape_long_double, 237
ppl_new_BD_Shape_long_double_from_-
BD_Shape_long_double_with_-
complexity, 242
ppl_new_BD_Shape_long_double_from_-
BD_Shape_mpq_class, 235
ppl_new_BD_Shape_long_double_from_-
BD_Shape_mpq_class_with_complexity,
239
ppl_new_BD_Shape_long_double_from_-
BD_Shape_mpz_class, 235
ppl_new_BD_Shape_long_double_from_-
BD_Shape_mpz_class_with_complexity,
239
ppl_new_BD_Shape_long_double_from_C_-
Polyhedron, 236
ppl_new_BD_Shape_long_double_from_C_-
Polyhedron_with_complexity, 240
ppl_new_BD_Shape_long_double_from_-
Congruence_System, 242
ppl_new_BD_Shape_long_double_from_-
Constraint_System, 242
ppl_new_BD_Shape_long_double_from_-
Double_Box, 237
ppl_new_BD_Shape_long_double_from_-
Double_Box_with_complexity, 241

ppl_new_BD_Shape_long_double_from_-Float_Box, 237
ppl_new_BD_Shape_long_double_from_-Float_Box_with_complexity, 241
ppl_new_BD_Shape_long_double_from_-Generator_System, 242
ppl_new_BD_Shape_long_double_from_-Grid, 236
ppl_new_BD_Shape_long_double_from_-Grid_with_complexity, 241
ppl_new_BD_Shape_long_double_from_-Int16_Box, 234
ppl_new_BD_Shape_long_double_from_-Int16_Box_with_complexity, 238
ppl_new_BD_Shape_long_double_from_-Int32_Box, 234
ppl_new_BD_Shape_long_double_from_-Int32_Box_with_complexity, 238
ppl_new_BD_Shape_long_double_from_-Int64_Box, 234
ppl_new_BD_Shape_long_double_from_-Int64_Box_with_complexity, 238
ppl_new_BD_Shape_long_double_from_-Int8_Box, 234
ppl_new_BD_Shape_long_double_from_-Int8_Box_with_complexity, 238
ppl_new_BD_Shape_long_double_from_-Long_Double_Box, 237
ppl_new_BD_Shape_long_double_from_-Long_Double_Box_with_complexity, 241
ppl_new_BD_Shape_long_double_from_-NNC_Polyhedron, 236
ppl_new_BD_Shape_long_double_from_-NNC_Polyhedron_with_complexity, 240
ppl_new_BD_Shape_long_double_from_-Octagonal_Shape_double, 237
ppl_new_BD_Shape_long_double_from_-Octagonal_Shape_double_with_-complexity, 241
ppl_new_BD_Shape_long_double_from_-Octagonal_Shape_float, 237
ppl_new_BD_Shape_long_double_-from_Octagonal_Shape_float_with_-complexity, 241
ppl_new_BD_Shape_long_double_from_-Octagonal_Shape_int16_t, 236
ppl_new_BD_Shape_long_double_from_-Octagonal_Shape_int16_t_with_-complexity, 240
ppl_new_BD_Shape_long_double_from_-Octagonal_Shape_int32_t, 236
ppl_new_BD_Shape_long_double_from_-Octagonal_Shape_int32_t_with_-complexity, 240
ppl_new_BD_Shape_long_double_from_-Octagonal_Shape_int64_t, 236
ppl_new_BD_Shape_long_double_from_-Octagonal_Shape_int64_t_with_-complexity, 240
ppl_new_BD_Shape_long_double_from_-Octagonal_Shape_int8_t, 235
ppl_new_BD_Shape_long_double_from_-Octagonal_Shape_int8_t_with_-complexity, 240
ppl_new_BD_Shape_long_double_from_-Octagonal_Shape_long_double, 237
ppl_new_BD_Shape_long_double_from_-Octagonal_Shape_long_double_with_-complexity, 242
ppl_new_BD_Shape_long_double_from_-Octagonal_Shape_mpq_class, 236
ppl_new_BD_Shape_long_double_from_-Octagonal_Shape_mpq_class_with_-complexity, 240
ppl_new_BD_Shape_long_double_from_-Octagonal_Shape_mpz_class, 236
ppl_new_BD_Shape_long_double_from_-Octagonal_Shape_mpz_class_with_-complexity, 240
ppl_new_BD_Shape_long_double_from_-Rational_Box, 235
ppl_new_BD_Shape_long_double_from_-Rational_Box_with_complexity, 239
ppl_new_BD_Shape_long_double_from_-space_dimension, 234
ppl_new_BD_Shape_long_double_from_-Uint16_Box, 234
ppl_new_BD_Shape_long_double_from_-Uint16_Box_with_complexity, 238
ppl_new_BD_Shape_long_double_from_-Uint32_Box, 234
ppl_new_BD_Shape_long_double_from_-Uint32_Box_with_complexity, 238
ppl_new_BD_Shape_long_double_from_-Uint64_Box, 234
ppl_new_BD_Shape_long_double_from_-Uint64_Box_with_complexity, 238
ppl_new_BD_Shape_long_double_from_-Uint8_Box, 234
ppl_new_BD_Shape_long_double_from_-Uint8_Box_with_complexity, 238
ppl_new_BD_Shape_long_double_from_Z_-Box, 235
ppl_new_BD_Shape_long_double_from_Z_-Box_with_complexity, 239
ppl_new_BD_Shape_long_double_recycle_-

Congruence_System, 252
ppl_new_BD_Shape_long_double_recycle_-Constraint_System, 252
ppl_new_BD_Shape_long_double_recycle_-Generator_System, 252
ppl_one_affine_ranking_function_MS_BD_-Shape_long_double, 253
ppl_one_affine_ranking_function_MS_BD_-Shape_long_double_2, 253
ppl_one_affine_ranking_function_PR_BD_-Shape_long_double, 253
ppl_one_affine_ranking_function_PR_BD_-Shape_long_double_2, 254
ppl_termination_test_MS_BD_Shape_long_-double, 253
ppl_termination_test_MS_BD_Shape_long_-double_2, 253
ppl_termination_test_PR_BD_Shape_long_-double, 253
ppl_termination_test_PR_BD_Shape_long_-double_2, 253
ppl_BD_Shape_long_double_time_elapse_assign
ppl_BD_Shape_long_double_tag, 247
ppl_BD_Shape_long_double_topological_-closure_assign
ppl_BD_Shape_long_double_tag, 244
ppl_BD_Shape_long_double_total_memory_in_-bytes
ppl_BD_Shape_long_double_tag, 250
ppl_BD_Shape_long_double_unconstrain_space_-dimension
ppl_BD_Shape_long_double_tag, 247
ppl_BD_Shape_long_double_unconstrain_space_-dimensions
ppl_BD_Shape_long_double_tag, 247
ppl_BD_Shape_long_double_upper_bound_assign
ppl_BD_Shape_long_double_tag, 246
ppl_BD_Shape_long_double_upper_bound_-assign_if_exact
ppl_BD_Shape_long_double_tag, 247
ppl_BD_Shape_long_double_widening_assign
ppl_BD_Shape_long_double_tag, 250
ppl_BD_Shape_long_double_widening_assign_-with_tokens
ppl_BD_Shape_long_double_tag, 250
ppl_BD_Shape_long_double_wrap_assign
ppl_BD_Shape_long_double_tag, 252
ppl_BD_Shape_mpq_class_add_congruence
ppl_BD_Shape_mpq_class_tag, 274
ppl_BD_Shape_mpq_class_add_congruences
ppl_BD_Shape_mpq_class_tag, 274
ppl_BD_Shape_mpq_class_add_constraint
ppl_BD_Shape_mpq_class_tag, 274
ppl_BD_Shape_mpq_class_add_constraints
ppl_BD_Shape_mpq_class_tag, 274
ppl_BD_Shape_mpq_class_add_recycled_-congruences
ppl_BD_Shape_mpq_class_tag, 281
ppl_BD_Shape_mpq_class_add_recycled_-constraints
ppl_BD_Shape_mpq_class_tag, 281
ppl_BD_Shape_mpq_class_add_space_-dimensions_and_embed
ppl_BD_Shape_mpq_class_tag, 277
ppl_BD_Shape_mpq_class_add_space_-dimensions_and_project
ppl_BD_Shape_mpq_class_tag, 277
ppl_BD_Shape_mpq_class_affine_dimension
ppl_BD_Shape_mpq_class_tag, 271
ppl_BD_Shape_mpq_class_affine_image
ppl_BD_Shape_mpq_class_tag, 276
ppl_BD_Shape_mpq_class_affine_preimage
ppl_BD_Shape_mpq_class_tag, 276
ppl_BD_Shape_mpq_class_ascii_dump
ppl_BD_Shape_mpq_class_tag, 283
ppl_BD_Shape_mpq_class_ascii_load
ppl_BD_Shape_mpq_class_tag, 283
ppl_BD_Shape_mpq_class_BHMZ05_widening_-assign
ppl_BD_Shape_mpq_class_tag, 278
ppl_BD_Shape_mpq_class_BHMZ05_widening_-assign_with_tokens
ppl_BD_Shape_mpq_class_tag, 278
ppl_BD_Shape_mpq_class_bounded_affine_image
ppl_BD_Shape_mpq_class_tag, 276
ppl_BD_Shape_mpq_class_bounded_affine_-preimage
ppl_BD_Shape_mpq_class_tag, 276
ppl_BD_Shape_mpq_class_bounds_from_above
ppl_BD_Shape_mpq_class_tag, 272
ppl_BD_Shape_mpq_class_bounds_from_below
ppl_BD_Shape_mpq_class_tag, 272
ppl_BD_Shape_mpq_class_CC76_extrapolation_-assign
ppl_BD_Shape_mpq_class_tag, 280
ppl_BD_Shape_mpq_class_CC76_extrapolation_-assign_with_tokens
ppl_BD_Shape_mpq_class_tag, 279
ppl_BD_Shape_mpq_class_CC76_narrowing_-assign
ppl_BD_Shape_mpq_class_tag, 280
ppl_BD_Shape_mpq_class_concatenate_assign
ppl_BD_Shape_mpq_class_tag, 275
ppl_BD_Shape_mpq_class_constrains
ppl_BD_Shape_mpq_class_tag, 275
ppl_BD_Shape_mpq_class_contains_BD_Shape_-mpq_class
ppl_BD_Shape_mpq_class_tag, 273

ppl_BD_Shape_mpq_class_contains_integer_point
ppl_BD_Shape_mpq_class_tag, 272
ppl_BD_Shape_mpq_class_difference_assign
ppl_BD_Shape_mpq_class_tag, 275
ppl_BD_Shape_mpq_class_drop_some_non_-integer_points
ppl_BD_Shape_mpq_class_tag, 277
ppl_BD_Shape_mpq_class_drop_some_non_-integer_points_2
ppl_BD_Shape_mpq_class_tag, 278
ppl_BD_Shape_mpq_class_equals_BD_Shape_-mpq_class
ppl_BD_Shape_mpq_class_tag, 273
ppl_BD_Shape_mpq_class_expand_space_-dimension
ppl_BD_Shape_mpq_class_tag, 277
ppl_BD_Shape_mpq_class_external_memory_in_-bytes
ppl_BD_Shape_mpq_class_tag, 278
ppl_BD_Shape_mpq_class_fold_space_dimensions
ppl_BD_Shape_mpq_class_tag, 277
ppl_BD_Shape_mpq_class_frequency
ppl_BD_Shape_mpq_class_tag, 273
ppl_BD_Shape_mpq_class_generalized_affine_-image
ppl_BD_Shape_mpq_class_tag, 276
ppl_BD_Shape_mpq_class_generalized_affine_-image_lhs_rhs
ppl_BD_Shape_mpq_class_tag, 276
ppl_BD_Shape_mpq_class_generalized_affine_-preimage
ppl_BD_Shape_mpq_class_tag, 276
ppl_BD_Shape_mpq_class_generalized_affine_-preimage_lhs_rhs
ppl_BD_Shape_mpq_class_tag, 277
ppl_BD_Shape_mpq_class_get_congruences
ppl_BD_Shape_mpq_class_tag, 271
ppl_BD_Shape_mpq_class_get_constraints
ppl_BD_Shape_mpq_class_tag, 271
ppl_BD_Shape_mpq_class_get_minimized_-congruences
ppl_BD_Shape_mpq_class_tag, 271
ppl_BD_Shape_mpq_class_get_minimized_-constraints
ppl_BD_Shape_mpq_class_tag, 271
ppl_BD_Shape_mpq_class_H79_widening_assign
ppl_BD_Shape_mpq_class_tag, 278
ppl_BD_Shape_mpq_class_H79_widening_-assign_with_tokens
ppl_BD_Shape_mpq_class_tag, 278
ppl_BD_Shape_mpq_class_intersection_assign
ppl_BD_Shape_mpq_class_tag, 275
ppl_BD_Shape_mpq_class_is_bounded
ppl_BD_Shape_mpq_class_tag, 272
ppl_BD_Shape_mpq_class_is_discrete
ppl_BD_Shape_mpq_class_tag, 272
ppl_BD_Shape_mpq_class_is_disjoint_from_BD_-Shape_mpq_class
ppl_BD_Shape_mpq_class_tag, 273
ppl_BD_Shape_mpq_class_is_empty
ppl_BD_Shape_mpq_class_tag, 271
ppl_BD_Shape_mpq_class_is_topologically_-closed
ppl_BD_Shape_mpq_class_tag, 272
ppl_BD_Shape_mpq_class_is_universe
ppl_BD_Shape_mpq_class_tag, 272
ppl_BD_Shape_mpq_class_limited_BHMZ05_-extrapolation_assign
ppl_BD_Shape_mpq_class_tag, 279
ppl_BD_Shape_mpq_class_limited_BHMZ05_-extrapolation_assign_with_tokens
ppl_BD_Shape_mpq_class_tag, 279
ppl_BD_Shape_mpq_class_limited_CC76_-extrapolation_assign
ppl_BD_Shape_mpq_class_tag, 279
ppl_BD_Shape_mpq_class_limited_CC76_-extrapolation_assign_with_tokens
ppl_BD_Shape_mpq_class_tag, 279
ppl_BD_Shape_mpq_class_limited_H79_-extrapolation_assign
ppl_BD_Shape_mpq_class_tag, 279
ppl_BD_Shape_mpq_class_limited_H79_-extrapolation_assign_with_tokens
ppl_BD_Shape_mpq_class_tag, 279
ppl_BD_Shape_mpq_class_linear_partition
ppl_BD_Shape_mpq_class_tag, 280
ppl_BD_Shape_mpq_class_map_space_-dimensions
ppl_BD_Shape_mpq_class_tag, 277
ppl_BD_Shape_mpq_class_maximize
ppl_BD_Shape_mpq_class_tag, 272
ppl_BD_Shape_mpq_class_maximize_with_point
ppl_BD_Shape_mpq_class_tag, 273
ppl_BD_Shape_mpq_class_minimize
ppl_BD_Shape_mpq_class_tag, 273
ppl_BD_Shape_mpq_class_minimize_with_point
ppl_BD_Shape_mpq_class_tag, 273
ppl_BD_Shape_mpq_class_OK
ppl_BD_Shape_mpq_class_tag, 274
ppl_BD_Shape_mpq_class_refine_with_-congruence
ppl_BD_Shape_mpq_class_tag, 274
ppl_BD_Shape_mpq_class_refine_with_-congruences
ppl_BD_Shape_mpq_class_tag, 274
ppl_BD_Shape_mpq_class_refine_with_constraint
ppl_BD_Shape_mpq_class_tag, 274
ppl_BD_Shape_mpq_class_refine_with_constraints

ppl_BD_Shape_mpq_class_tag, 274
ppl_BD_Shape_mpq_class_relation_with_-
Congruence
ppl_BD_Shape_mpq_class_tag, 271
ppl_BD_Shape_mpq_class_relation_with_-
Constraint
ppl_BD_Shape_mpq_class_tag, 271
ppl_BD_Shape_mpq_class_relation_with_-
Generator
ppl_BD_Shape_mpq_class_tag, 271
ppl_BD_Shape_mpq_class_remove_higher_-
space_dimensions
ppl_BD_Shape_mpq_class_tag, 277
ppl_BD_Shape_mpq_class_remove_space_-
dimensions
ppl_BD_Shape_mpq_class_tag, 277
ppl_BD_Shape_mpq_class_simplify_using_-
context_assign
ppl_BD_Shape_mpq_class_tag, 275
ppl_BD_Shape_mpq_class_space_dimension
ppl_BD_Shape_mpq_class_tag, 270
ppl_BD_Shape_mpq_class_strictly_contains_BD_-
Shape_mpq_class
ppl_BD_Shape_mpq_class_tag, 273
ppl_BD_Shape_mpq_class_tag, 255
ppl_all_affine_ranking_functions_MS_BD_-
Shape_mpq_class, 281
ppl_all_affine_ranking_functions_MS_BD_-
Shape_mpq_class_2, 282
ppl_all_affine_ranking_functions_PR_BD_-
Shape_mpq_class, 281
ppl_all_affine_ranking_functions_PR_BD_-
Shape_mpq_class_2, 282
ppl_assign_BD_Shape_mpq_class_from_-
BD_Shape_mpq_class, 280
ppl_BD_Shape_mpq_class_add_congruence,
274
ppl_BD_Shape_mpq_class_add_congruences,
274
ppl_BD_Shape_mpq_class_add_constraint,
274
ppl_BD_Shape_mpq_class_add_constraints,
274
ppl_BD_Shape_mpq_class_add_recycled_-
congruences, 281
ppl_BD_Shape_mpq_class_add_recycled_-
constraints, 281
ppl_BD_Shape_mpq_class_add_space_-
dimensions_and_embed, 277
ppl_BD_Shape_mpq_class_add_space_-
dimensions_and_project, 277
ppl_BD_Shape_mpq_class_affine_dimension,
271
ppl_BD_Shape_mpq_class_affine_image, 276
ppl_BD_Shape_mpq_class_affine_preimage,
276
ppl_BD_Shape_mpq_class_ascii_dump, 283
ppl_BD_Shape_mpq_class_ascii_load, 283
ppl_BD_Shape_mpq_class_BHMZ05_-
widening_assign, 278
ppl_BD_Shape_mpq_class_BHMZ05_-
widening_assign_with_tokens, 278
ppl_BD_Shape_mpq_class_bounded_affine_-
image, 276
ppl_BD_Shape_mpq_class_bounded_affine_-
preimage, 276
ppl_BD_Shape_mpq_class_bounds_from_-
above, 272
ppl_BD_Shape_mpq_class_bounds_from_-
below, 272
ppl_BD_Shape_mpq_class_CC76_-
extrapolation_assign, 280
ppl_BD_Shape_mpq_class_CC76_-
extrapolation_assign_with_tokens,
279
ppl_BD_Shape_mpq_class_CC76_-
narrowing_assign, 280
ppl_BD_Shape_mpq_class_concatenate_-
assign, 275
ppl_BD_Shape_mpq_class_constrains, 275
ppl_BD_Shape_mpq_class_contains_BD_-
Shape_mpq_class, 273
ppl_BD_Shape_mpq_class_contains_-
integer_point, 272
ppl_BD_Shape_mpq_class_difference_assign,
275
ppl_BD_Shape_mpq_class_drop_some_non_-
integer_points, 277
ppl_BD_Shape_mpq_class_drop_some_non_-
integer_points_2, 278
ppl_BD_Shape_mpq_class_equals_BD_-
Shape_mpq_class, 273
ppl_BD_Shape_mpq_class_expand_space_-
dimension, 277
ppl_BD_Shape_mpq_class_external_-
memory_in_bytes, 278
ppl_BD_Shape_mpq_class_fold_space_-
dimensions, 277
ppl_BD_Shape_mpq_class_frequency, 273
ppl_BD_Shape_mpq_class_generalized_-
affine_image, 276
ppl_BD_Shape_mpq_class_generalized_-
affine_image_lhs_rhs, 276
ppl_BD_Shape_mpq_class_generalized_-
affine_preimage, 276
ppl_BD_Shape_mpq_class_generalized_-
affine_preimage_lhs_rhs, 277
ppl_BD_Shape_mpq_class_get_congruences,

271
ppl_BD_Shape_mpq_class_get_constraints, 271
ppl_BD_Shape_mpq_class_get_minimized_congruences, 271
ppl_BD_Shape_mpq_class_get_minimized_constraints, 271
ppl_BD_Shape_mpq_class_H79_widening_assign, 278
ppl_BD_Shape_mpq_class_H79_widening_assign_with_tokens, 278
ppl_BD_Shape_mpq_class_intersection_assign, 275
ppl_BD_Shape_mpq_class_is_bounded, 272
ppl_BD_Shape_mpq_class_is_discrete, 272
ppl_BD_Shape_mpq_class_is_disjoint_from_BD_Shape_mpq_class, 273
ppl_BD_Shape_mpq_class_is_empty, 271
ppl_BD_Shape_mpq_class_is_topologically_closed, 272
ppl_BD_Shape_mpq_class_is_universe, 272
ppl_BD_Shape_mpq_class_limited_BHMZ05_extrapolation_assign, 279
ppl_BD_Shape_mpq_class_limited_BHMZ05_extrapolation_assign_with_tokens, 279
ppl_BD_Shape_mpq_class_limited_CC76_extrapolation_assign, 279
ppl_BD_Shape_mpq_class_limited_CC76_extrapolation_assign_with_tokens, 279
ppl_BD_Shape_mpq_class_limited_H79_extrapolation_assign, 279
ppl_BD_Shape_mpq_class_limited_H79_extrapolation_assign_with_tokens, 279
ppl_BD_Shape_mpq_class_linear_partition, 280
ppl_BD_Shape_mpq_class_map_space_dimensions, 277
ppl_BD_Shape_mpq_class_maximize, 272
ppl_BD_Shape_mpq_class_maximize_with_point, 273
ppl_BD_Shape_mpq_class_minimize, 273
ppl_BD_Shape_mpq_class_minimize_with_point, 273
ppl_BD_Shape_mpq_class_OK, 274
ppl_BD_Shape_mpq_class_refine_with_congruence, 274
ppl_BD_Shape_mpq_class_refine_with_congruences, 274
ppl_BD_Shape_mpq_class_refine_with_constraint, 274
ppl_BD_Shape_mpq_class_refine_with_constraints, 274
ppl_BD_Shape_mpq_class_relation_with_Congruence, 271
ppl_BD_Shape_mpq_class_relation_with_Constraint, 271
ppl_BD_Shape_mpq_class_relation_with_Generator, 271
ppl_BD_Shape_mpq_class_remove_higher_space_dimensions, 277
ppl_BD_Shape_mpq_class_remove_space_dimensions, 277
ppl_BD_Shape_mpq_class_simplify_using_context_assign, 275
ppl_BD_Shape_mpq_class_space_dimension, 270
ppl_BD_Shape_mpq_class_strictly_contains_BD_Shape_mpq_class, 273
ppl_BD_Shape_mpq_class_time_elapse_assign, 275
ppl_BD_Shape_mpq_class_topological_closure_assign, 272
ppl_BD_Shape_mpq_class_total_memory_in_bytes, 278
ppl_BD_Shape_mpq_class_unconstrain_space_dimension, 275
ppl_BD_Shape_mpq_class_unconstrain_space_dimensions, 276
ppl_BD_Shape_mpq_class_upper_bound_assign, 275
ppl_BD_Shape_mpq_class_upper_bound_assign_if_exact, 275
ppl_BD_Shape_mpq_class_widening_assign, 279
ppl_BD_Shape_mpq_class_widening_assign_with_tokens, 278
ppl_BD_Shape_mpq_class_wrap_assign, 280
ppl_delete_BD_Shape_mpq_class, 262
ppl_io_asprint_BD_Shape_mpq_class, 282
ppl_io_fprint_BD_Shape_mpq_class, 282
ppl_io_print_BD_Shape_mpq_class, 282
ppl_new_BD_Shape_mpq_class_from_BD_Shape_double, 265
ppl_new_BD_Shape_mpq_class_from_BD_Shape_double_with_complexity, 269
ppl_new_BD_Shape_mpq_class_from_BD_Shape_float, 265
ppl_new_BD_Shape_mpq_class_from_BD_Shape_float_with_complexity, 269
ppl_new_BD_Shape_mpq_class_from_BD_Shape_int16_t, 263
ppl_new_BD_Shape_mpq_class_from_BD_Shape_int16_t_with_complexity, 267

ppl_new_BD_Shape_mpq_class_from_BD_-Shape_int32_t, 263
ppl_new_BD_Shape_mpq_class_from_-BD_Shape_int32_t_with_complexity, 267
ppl_new_BD_Shape_mpq_class_from_BD_-Shape_int64_t, 263
ppl_new_BD_Shape_mpq_class_from_-BD_Shape_int64_t_with_complexity, 267
ppl_new_BD_Shape_mpq_class_from_BD_-Shape_int8_t, 263
ppl_new_BD_Shape_mpq_class_from_BD_-Shape_int8_t_with_complexity, 267
ppl_new_BD_Shape_mpq_class_from_BD_-Shape_long_double, 266
ppl_new_BD_Shape_mpq_class_from_BD_-Shape_long_double_with_complexity, 270
ppl_new_BD_Shape_mpq_class_from_BD_-Shape_mpq_class, 264
ppl_new_BD_Shape_mpq_class_from_BD_-Shape_mpq_class_with_complexity, 268
ppl_new_BD_Shape_mpq_class_from_BD_-Shape_mpz_class, 263
ppl_new_BD_Shape_mpq_class_from_BD_-Shape_mpz_class_with_complexity, 268
ppl_new_BD_Shape_mpq_class_from_C_-Polyhedron, 264
ppl_new_BD_Shape_mpq_class_from_C_-Polyhedron_with_complexity, 269
ppl_new_BD_Shape_mpq_class_from_-Congruence_System, 270
ppl_new_BD_Shape_mpq_class_from_-Constraint_System, 270
ppl_new_BD_Shape_mpq_class_from_-Double_Box, 265
ppl_new_BD_Shape_mpq_class_from_-Double_Box_with_complexity, 269
ppl_new_BD_Shape_mpq_class_from_-Float_Box, 265
ppl_new_BD_Shape_mpq_class_from_-Float_Box_with_complexity, 269
ppl_new_BD_Shape_mpq_class_from_-Generator_System, 270
ppl_new_BD_Shape_mpq_class_from_Grid, 265
ppl_new_BD_Shape_mpq_class_from_Grid_-with_complexity, 269
ppl_new_BD_Shape_mpq_class_from_-Int16_Box, 262
ppl_new_BD_Shape_mpq_class_from_-Int16_Box_with_complexity, 266
ppl_new_BD_Shape_mpq_class_from_-Int32_Box, 262
ppl_new_BD_Shape_mpq_class_from_-Int32_Box_with_complexity, 266
ppl_new_BD_Shape_mpq_class_from_-Int64_Box, 262
ppl_new_BD_Shape_mpq_class_from_-Int64_Box_with_complexity, 266
ppl_new_BD_Shape_mpq_class_from_Int8_-Box, 262
ppl_new_BD_Shape_mpq_class_from_Int8_-Box_with_complexity, 266
ppl_new_BD_Shape_mpq_class_from_-Long_Double_Box, 265
ppl_new_BD_Shape_mpq_class_from_-Long_Double_Box_with_complexity, 270
ppl_new_BD_Shape_mpq_class_from_-NNC_Polyhedron, 265
ppl_new_BD_Shape_mpq_class_from_-NNC_Polyhedron_with_complexity, 269
ppl_new_BD_Shape_mpq_class_from_-Octagonal_Shape_double, 265
ppl_new_BD_Shape_mpq_class_from_-Octagonal_Shape_double_with_-complexity, 270
ppl_new_BD_Shape_mpq_class_from_-Octagonal_Shape_float, 265
ppl_new_BD_Shape_mpq_class_from_-Octagonal_Shape_float_with_-complexity, 269
ppl_new_BD_Shape_mpq_class_from_-Octagonal_Shape_int16_t, 264
ppl_new_BD_Shape_mpq_class_from_-Octagonal_Shape_int16_t_with_-complexity, 268
ppl_new_BD_Shape_mpq_class_from_-Octagonal_Shape_int32_t, 264
ppl_new_BD_Shape_mpq_class_from_-Octagonal_Shape_int32_t_with_-complexity, 268
ppl_new_BD_Shape_mpq_class_from_-Octagonal_Shape_int64_t, 264
ppl_new_BD_Shape_mpq_class_from_-Octagonal_Shape_int64_t_with_-complexity, 268
ppl_new_BD_Shape_mpq_class_from_-Octagonal_Shape_int8_t, 264
ppl_new_BD_Shape_mpq_class_from_-Octagonal_Shape_int8_t_with_-complexity, 268
ppl_new_BD_Shape_mpq_class_from_-

Octagonal_Shape_long_double, 266
ppl_new_BD_Shape_mpq_class_from_-Octagonal_Shape_long_double_with_-complexity, 270
ppl_new_BD_Shape_mpq_class_from_-Octagonal_Shape_mpq_class, 264
ppl_new_BD_Shape_mpq_class_from_-Octagonal_Shape_mpq_class_with_-complexity, 268
ppl_new_BD_Shape_mpq_class_from_-Octagonal_Shape_mpz_class, 264
ppl_new_BD_Shape_mpq_class_from_-Octagonal_Shape_mpz_class_with_-complexity, 268
ppl_new_BD_Shape_mpq_class_from_-Rational_Box, 263
ppl_new_BD_Shape_mpq_class_from_-Rational_Box_with_complexity, 267
ppl_new_BD_Shape_mpq_class_from_-space_dimension, 262
ppl_new_BD_Shape_mpq_class_from_-Uint16_Box, 262
ppl_new_BD_Shape_mpq_class_from_-Uint16_Box_with_complexity, 266
ppl_new_BD_Shape_mpq_class_from_-Uint32_Box, 263
ppl_new_BD_Shape_mpq_class_from_-Uint32_Box_with_complexity, 267
ppl_new_BD_Shape_mpq_class_from_-Uint64_Box, 263
ppl_new_BD_Shape_mpq_class_from_-Uint64_Box_with_complexity, 267
ppl_new_BD_Shape_mpq_class_from_-Uint8_Box, 262
ppl_new_BD_Shape_mpq_class_from_-Uint8_Box_with_complexity, 266
ppl_new_BD_Shape_mpq_class_from_Z_-Box, 263
ppl_new_BD_Shape_mpq_class_from_Z_-Box_with_complexity, 267
ppl_new_BD_Shape_mpq_class_recycle_-Congruence_System, 280
ppl_new_BD_Shape_mpq_class_recycle_-Constraint_System, 280
ppl_new_BD_Shape_mpq_class_recycle_-Generator_System, 280
ppl_one_affine_ranking_function_MS_BD_-Shape_mpq_class, 281
ppl_one_affine_ranking_function_MS_BD_-Shape_mpq_class_2, 282
ppl_one_affine_ranking_function_PR_BD_-Shape_mpq_class, 281
ppl_one_affine_ranking_function_PR_BD_-Shape_mpq_class_2, 282
ppl_termination_test_MS_BD_Shape_mpq_-class, 281
ppl_termination_test_MS_BD_Shape_mpq_-class_2, 281
ppl_termination_test_PR_BD_Shape_mpq_-class, 281
ppl_termination_test_PR_BD_Shape_mpq_-class_2, 282
ppl_BD_Shape_mpq_class_time_elapse_assign
ppl_BD_Shape_mpq_class_tag, 275
ppl_BD_Shape_mpq_class_topological_closure_-assign
ppl_BD_Shape_mpq_class_tag, 272
ppl_BD_Shape_mpq_class_total_memory_in_-bytes
ppl_BD_Shape_mpq_class_tag, 278
ppl_BD_Shape_mpq_class_unconstrain_space_-dimension
ppl_BD_Shape_mpq_class_tag, 275
ppl_BD_Shape_mpq_class_unconstrain_space_-dimensions
ppl_BD_Shape_mpq_class_tag, 276
ppl_BD_Shape_mpq_class_upper_bound_assign
ppl_BD_Shape_mpq_class_tag, 275
ppl_BD_Shape_mpq_class_upper_bound_assign_-if_exact
ppl_BD_Shape_mpq_class_tag, 275
ppl_BD_Shape_mpq_class_widening_assign
ppl_BD_Shape_mpq_class_tag, 279
ppl_BD_Shape_mpq_class_widening_assign_-with_tokens
ppl_BD_Shape_mpq_class_tag, 278
ppl_BD_Shape_mpq_class_wrap_assign
ppl_BD_Shape_mpq_class_tag, 280
ppl_BD_Shape_mpz_class_add_congruence
ppl_BD_Shape_mpz_class_tag, 302
ppl_BD_Shape_mpz_class_add_congruences
ppl_BD_Shape_mpz_class_tag, 302
ppl_BD_Shape_mpz_class_add_constraint
ppl_BD_Shape_mpz_class_tag, 302
ppl_BD_Shape_mpz_class_add_constraints
ppl_BD_Shape_mpz_class_tag, 302
ppl_BD_Shape_mpz_class_add_recycled_-congruences
ppl_BD_Shape_mpz_class_tag, 309
ppl_BD_Shape_mpz_class_add_recycled_-constraints
ppl_BD_Shape_mpz_class_tag, 309
ppl_BD_Shape_mpz_class_add_space_-dimensions_and_embed
ppl_BD_Shape_mpz_class_tag, 305
ppl_BD_Shape_mpz_class_add_space_-dimensions_and_project
ppl_BD_Shape_mpz_class_tag, 305

ppl_BD_Shape_mpz_class_affine_dimension
ppl_BD_Shape_mpz_class_tag, 299
ppl_BD_Shape_mpz_class_affine_image
ppl_BD_Shape_mpz_class_tag, 304
ppl_BD_Shape_mpz_class_affine_preimage
ppl_BD_Shape_mpz_class_tag, 304
ppl_BD_Shape_mpz_class_ascii_dump
ppl_BD_Shape_mpz_class_tag, 311
ppl_BD_Shape_mpz_class_ascii_load
ppl_BD_Shape_mpz_class_tag, 311
ppl_BD_Shape_mpz_class_BHMZ05_widening_-
assign
ppl_BD_Shape_mpz_class_tag, 306
ppl_BD_Shape_mpz_class_BHMZ05_widening_-
assign_with_tokens
ppl_BD_Shape_mpz_class_tag, 306
ppl_BD_Shape_mpz_class_bounded_affine_image
ppl_BD_Shape_mpz_class_tag, 304
ppl_BD_Shape_mpz_class_bounded_affine_-
preimage
ppl_BD_Shape_mpz_class_tag, 304
ppl_BD_Shape_mpz_class_bounds_from_above
ppl_BD_Shape_mpz_class_tag, 301
ppl_BD_Shape_mpz_class_bounds_from_below
ppl_BD_Shape_mpz_class_tag, 301
ppl_BD_Shape_mpz_class_CC76_extrapolation_-
assign
ppl_BD_Shape_mpz_class_tag, 308
ppl_BD_Shape_mpz_class_CC76_extrapolation_-
assign_with_tokens
ppl_BD_Shape_mpz_class_tag, 308
ppl_BD_Shape_mpz_class_CC76_narrowing_-
assign
ppl_BD_Shape_mpz_class_tag, 308
ppl_BD_Shape_mpz_class_concatenate_assign
ppl_BD_Shape_mpz_class_tag, 303
ppl_BD_Shape_mpz_class_constrains
ppl_BD_Shape_mpz_class_tag, 304
ppl_BD_Shape_mpz_class_contains_BD_Shape_-
mpz_class
ppl_BD_Shape_mpz_class_tag, 301
ppl_BD_Shape_mpz_class_contains_integer_point
ppl_BD_Shape_mpz_class_tag, 300
ppl_BD_Shape_mpz_class_difference_assign
ppl_BD_Shape_mpz_class_tag, 303
ppl_BD_Shape_mpz_class_drop_some_non_-
integer_points
ppl_BD_Shape_mpz_class_tag, 306
ppl_BD_Shape_mpz_class_drop_some_non_-
integer_points_2
ppl_BD_Shape_mpz_class_tag, 306
ppl_BD_Shape_mpz_class_equals_BD_Shape_-
mpz_class
ppl_BD_Shape_mpz_class_tag, 302
ppl_BD_Shape_mpz_class_expand_space_-
dimension
ppl_BD_Shape_mpz_class_tag, 305
ppl_BD_Shape_mpz_class_external_memory_in_-
bytes
ppl_BD_Shape_mpz_class_tag, 306
ppl_BD_Shape_mpz_class_fold_space_dimensions
ppl_BD_Shape_mpz_class_tag, 306
ppl_BD_Shape_mpz_class_frequency
ppl_BD_Shape_mpz_class_tag, 301
ppl_BD_Shape_mpz_class_generalized_affine_-
image
ppl_BD_Shape_mpz_class_tag, 304
ppl_BD_Shape_mpz_class_generalized_affine_-
image_lhs_rhs
ppl_BD_Shape_mpz_class_tag, 305
ppl_BD_Shape_mpz_class_generalized_affine_-
preimage
ppl_BD_Shape_mpz_class_tag, 305
ppl_BD_Shape_mpz_class_generalized_affine_-
preimage_lhs_rhs
ppl_BD_Shape_mpz_class_tag, 305
ppl_BD_Shape_mpz_class_get_congruences
ppl_BD_Shape_mpz_class_tag, 299
ppl_BD_Shape_mpz_class_get_constraints
ppl_BD_Shape_mpz_class_tag, 299
ppl_BD_Shape_mpz_class_get_minimized_-
congruences
ppl_BD_Shape_mpz_class_tag, 300
ppl_BD_Shape_mpz_class_get_minimized_-
constraints
ppl_BD_Shape_mpz_class_tag, 300
ppl_BD_Shape_mpz_class_H79_widening_assign
ppl_BD_Shape_mpz_class_tag, 307
ppl_BD_Shape_mpz_class_H79_widening_-
assign_with_tokens
ppl_BD_Shape_mpz_class_tag, 306
ppl_BD_Shape_mpz_class_intersection_assign
ppl_BD_Shape_mpz_class_tag, 303
ppl_BD_Shape_mpz_class_is_bounded
ppl_BD_Shape_mpz_class_tag, 300
ppl_BD_Shape_mpz_class_is_discrete
ppl_BD_Shape_mpz_class_tag, 300
ppl_BD_Shape_mpz_class_is_disjoint_from_BD_-
Shape_mpz_class
ppl_BD_Shape_mpz_class_tag, 302
ppl_BD_Shape_mpz_class_is_empty
ppl_BD_Shape_mpz_class_tag, 300
ppl_BD_Shape_mpz_class_is_topologically_-
closed
ppl_BD_Shape_mpz_class_tag, 300
ppl_BD_Shape_mpz_class_is_universe
ppl_BD_Shape_mpz_class_tag, 300

ppl_BD_Shape_mpz_class_limited_BHMZ05_-extrapolation_assign
ppl_BD_Shape_mpz_class_tag, 307
ppl_BD_Shape_mpz_class_limited_BHMZ05_-extrapolation_assign_with_tokens
ppl_BD_Shape_mpz_class_tag, 307
ppl_BD_Shape_mpz_class_limited_CC76_-extrapolation_assign
ppl_BD_Shape_mpz_class_tag, 308
ppl_BD_Shape_mpz_class_limited_CC76_-extrapolation_assign_with_tokens
ppl_BD_Shape_mpz_class_tag, 307
ppl_BD_Shape_mpz_class_limited_H79_-extrapolation_assign
ppl_BD_Shape_mpz_class_tag, 307
ppl_BD_Shape_mpz_class_limited_H79_-extrapolation_assign_with_tokens
ppl_BD_Shape_mpz_class_tag, 307
ppl_BD_Shape_mpz_class_linear_partition
ppl_BD_Shape_mpz_class_tag, 308
ppl_BD_Shape_mpz_class_map_space_-dimensions
ppl_BD_Shape_mpz_class_tag, 306
ppl_BD_Shape_mpz_class_maximize
ppl_BD_Shape_mpz_class_tag, 301
ppl_BD_Shape_mpz_class_maximize_with_point
ppl_BD_Shape_mpz_class_tag, 301
ppl_BD_Shape_mpz_class_minimize
ppl_BD_Shape_mpz_class_tag, 301
ppl_BD_Shape_mpz_class_minimize_with_point
ppl_BD_Shape_mpz_class_tag, 301
ppl_BD_Shape_mpz_class_OK
ppl_BD_Shape_mpz_class_tag, 302
ppl_BD_Shape_mpz_class_refine_with_-congruence
ppl_BD_Shape_mpz_class_tag, 303
ppl_BD_Shape_mpz_class_refine_with_-congruences
ppl_BD_Shape_mpz_class_tag, 303
ppl_BD_Shape_mpz_class_refine_with_constraint
ppl_BD_Shape_mpz_class_tag, 302
ppl_BD_Shape_mpz_class_refine_with_constraints
ppl_BD_Shape_mpz_class_tag, 303
ppl_BD_Shape_mpz_class_relation_with_-Congruence
ppl_BD_Shape_mpz_class_tag, 299
ppl_BD_Shape_mpz_class_relation_with_-Constraint
ppl_BD_Shape_mpz_class_tag, 299
ppl_BD_Shape_mpz_class_relation_with_-Generator
ppl_BD_Shape_mpz_class_tag, 299
ppl_BD_Shape_mpz_class_remove_higher_-space_dimensions
ppl_BD_Shape_mpz_class_tag, 305
ppl_BD_Shape_mpz_class_remove_space_-dimensions
ppl_BD_Shape_mpz_class_tag, 305
ppl_BD_Shape_mpz_class_simplify_using_-context_assign
ppl_BD_Shape_mpz_class_tag, 304
ppl_BD_Shape_mpz_class_space_dimension
ppl_BD_Shape_mpz_class_tag, 299
ppl_BD_Shape_mpz_class_strictly_contains_BD_-Shape_mpz_class
ppl_BD_Shape_mpz_class_tag, 302
ppl_BD_Shape_mpz_class_tag, 283
ppl_all_affine_ranking_functions_MS_BD_-Shape_mpz_class, 309
ppl_all_affine_ranking_functions_MS_BD_-Shape_mpz_class_2, 310
ppl_all_affine_ranking_functions_PR_BD_-Shape_mpz_class, 310
ppl_all_affine_ranking_functions_PR_BD_-Shape_mpz_class_2, 310
ppl_assign_BD_Shape_mpz_class_from_-BD_Shape_mpz_class, 309
ppl_BD_Shape_mpz_class_add_congruence, 302
ppl_BD_Shape_mpz_class_add_congruences, 302
ppl_BD_Shape_mpz_class_add_constraint, 302
ppl_BD_Shape_mpz_class_add_constraints, 302
ppl_BD_Shape_mpz_class_add_recycled_-congruences, 309
ppl_BD_Shape_mpz_class_add_recycled_-constraints, 309
ppl_BD_Shape_mpz_class_add_space_-dimensions_and_embed, 305
ppl_BD_Shape_mpz_class_add_space_-dimensions_and_project, 305
ppl_BD_Shape_mpz_class_affine_dimension, 299
ppl_BD_Shape_mpz_class_affine_image, 304
ppl_BD_Shape_mpz_class_affine_preimage, 304
ppl_BD_Shape_mpz_class_ascii_dump, 311
ppl_BD_Shape_mpz_class_ascii_load, 311
ppl_BD_Shape_mpz_class_BHMZ05_-widening_assign, 306
ppl_BD_Shape_mpz_class_BHMZ05_-widening_assign_with_tokens, 306
ppl_BD_Shape_mpz_class_bounded_affine_-image, 304
ppl_BD_Shape_mpz_class_bounded_affine_-preimage, 304

ppl_BD_Shape_mpz_class_bounds_from_-above, 301
ppl_BD_Shape_mpz_class_bounds_from_-below, 301
ppl_BD_Shape_mpz_class_CC76_-extrapolation_assign, 308
ppl_BD_Shape_mpz_class_CC76_-extrapolation_assign_with_tokens, 308
ppl_BD_Shape_mpz_class_CC76_-narrowing_assign, 308
ppl_BD_Shape_mpz_class_concatenate_-assign, 303
ppl_BD_Shape_mpz_class_constrains, 304
ppl_BD_Shape_mpz_class_contains_BD_-Shape_mpz_class, 301
ppl_BD_Shape_mpz_class_contains_integer_-point, 300
ppl_BD_Shape_mpz_class_difference_assign, 303
ppl_BD_Shape_mpz_class_drop_some_non_-integer_points, 306
ppl_BD_Shape_mpz_class_drop_some_non_-integer_points_2, 306
ppl_BD_Shape_mpz_class_equals_BD_-Shape_mpz_class, 302
ppl_BD_Shape_mpz_class_expand_space_-dimension, 305
ppl_BD_Shape_mpz_class_external_-memory_in_bytes, 306
ppl_BD_Shape_mpz_class_fold_space_-dimensions, 306
ppl_BD_Shape_mpz_class_frequency, 301
ppl_BD_Shape_mpz_class_generalized_-affine_image, 304
ppl_BD_Shape_mpz_class_generalized_-affine_image_lhs_rhs, 305
ppl_BD_Shape_mpz_class_generalized_-affine_preimage, 305
ppl_BD_Shape_mpz_class_generalized_-affine_preimage_lhs_rhs, 305
ppl_BD_Shape_mpz_class_get_congruences, 299
ppl_BD_Shape_mpz_class_get_constraints, 299
ppl_BD_Shape_mpz_class_get_minimized_-congruences, 300
ppl_BD_Shape_mpz_class_get_minimized_-constraints, 300
ppl_BD_Shape_mpz_class_H79_widening_-assign, 307
ppl_BD_Shape_mpz_class_H79_widening_-assign_with_tokens, 306
ppl_BD_Shape_mpz_class_intersection_-assign, 303
ppl_BD_Shape_mpz_class_is_bounded, 300
ppl_BD_Shape_mpz_class_is_discrete, 300
ppl_BD_Shape_mpz_class_is_disjoint_from_-BD_Shape_mpz_class, 302
ppl_BD_Shape_mpz_class_is_empty, 300
ppl_BD_Shape_mpz_class_is_topologically_-closed, 300
ppl_BD_Shape_mpz_class_is_universe, 300
ppl_BD_Shape_mpz_class_limited_-BHMZ05_extrapolation_assign, 307
ppl_BD_Shape_mpz_class_limited_-BHMZ05_extrapolation_assign_with_-tokens, 307
ppl_BD_Shape_mpz_class_limited_CC76_-extrapolation_assign, 308
ppl_BD_Shape_mpz_class_limited_CC76_-extrapolation_assign_with_tokens, 307
ppl_BD_Shape_mpz_class_limited_H79_-extrapolation_assign, 307
ppl_BD_Shape_mpz_class_limited_H79_-extrapolation_assign_with_tokens, 307
ppl_BD_Shape_mpz_class_linear_partition, 308
ppl_BD_Shape_mpz_class_map_space_-dimensions, 306
ppl_BD_Shape_mpz_class_maximize, 301
ppl_BD_Shape_mpz_class_maximize_with_-point, 301
ppl_BD_Shape_mpz_class_minimize, 301
ppl_BD_Shape_mpz_class_minimize_with_-point, 301
ppl_BD_Shape_mpz_class_OK, 302
ppl_BD_Shape_mpz_class_refine_with_-congruence, 303
ppl_BD_Shape_mpz_class_refine_with_-congruences, 303
ppl_BD_Shape_mpz_class_refine_with_-constraint, 302
ppl_BD_Shape_mpz_class_refine_with_-constraints, 303
ppl_BD_Shape_mpz_class_relation_with_-Congruence, 299
ppl_BD_Shape_mpz_class_relation_with_-Constraint, 299
ppl_BD_Shape_mpz_class_relation_with_-Generator, 299
ppl_BD_Shape_mpz_class_remove_higher_-space_dimensions, 305
ppl_BD_Shape_mpz_class_remove_space_-dimensions, 305
ppl_BD_Shape_mpz_class_simplify_using_-context_assign, 304

ppl_BD_Shape_mpz_class_space_dimension, 299
ppl_BD_Shape_mpz_class_strictly_contains_-BD_Shape_mpz_class, 302
ppl_BD_Shape_mpz_class_time_elapse_-assign, 303
ppl_BD_Shape_mpz_class_topological_-closure_assign, 300
ppl_BD_Shape_mpz_class_total_memory_-in_bytes, 306
ppl_BD_Shape_mpz_class_unconstrain_-space_dimension, 304
ppl_BD_Shape_mpz_class_unconstrain_-space_dimensions, 304
ppl_BD_Shape_mpz_class_upper_bound_-assign, 303
ppl_BD_Shape_mpz_class_upper_bound_-assign_if_exact, 303
ppl_BD_Shape_mpz_class_widening_assign, 307
ppl_BD_Shape_mpz_class_widening_-assign_with_tokens, 307
ppl_BD_Shape_mpz_class_wrap_assign, 308
ppl_delete_BD_Shape_mpz_class, 290
ppl_io_asprint_BD_Shape_mpz_class, 311
ppl_io_fprint_BD_Shape_mpz_class, 311
ppl_io_print_BD_Shape_mpz_class, 310
ppl_new_BD_Shape_mpz_class_from_BD_-Shape_double, 294
ppl_new_BD_Shape_mpz_class_from_BD_-Shape_double_with_complexity, 298
ppl_new_BD_Shape_mpz_class_from_BD_-Shape_float, 293
ppl_new_BD_Shape_mpz_class_from_BD_-Shape_float_with_complexity, 297
ppl_new_BD_Shape_mpz_class_from_BD_-Shape_int16_t, 291
ppl_new_BD_Shape_mpz_class_from_BD_-Shape_int16_t_with_complexity, 296
ppl_new_BD_Shape_mpz_class_from_BD_-Shape_int32_t, 292
ppl_new_BD_Shape_mpz_class_from_BD_-Shape_int32_t_with_complexity, 296
ppl_new_BD_Shape_mpz_class_from_BD_-Shape_int64_t, 292
ppl_new_BD_Shape_mpz_class_from_BD_-Shape_int64_t_with_complexity, 296
ppl_new_BD_Shape_mpz_class_from_BD_-Shape_int8_t, 291
ppl_new_BD_Shape_mpz_class_from_BD_-Shape_int8_t_with_complexity, 295
ppl_new_BD_Shape_mpz_class_from_BD_-Shape_long_double, 294
ppl_new_BD_Shape_mpz_class_from_BD_-Shape_long_double_with_complexity, 298
ppl_new_BD_Shape_mpz_class_from_BD_-Shape_mpq_class, 292
ppl_new_BD_Shape_mpz_class_from_BD_-Shape_mpq_class_with_complexity, 296
ppl_new_BD_Shape_mpz_class_from_BD_-Shape_mpz_class, 292
ppl_new_BD_Shape_mpz_class_from_BD_-Shape_mpz_class_with_complexity, 296
ppl_new_BD_Shape_mpz_class_from_C_-Polyhedron, 293
ppl_new_BD_Shape_mpz_class_from_C_-Polyhedron_with_complexity, 297
ppl_new_BD_Shape_mpz_class_from_-Congruence_System, 299
ppl_new_BD_Shape_mpz_class_from_-Constraint_System, 298
ppl_new_BD_Shape_mpz_class_from_-Double_Box, 293
ppl_new_BD_Shape_mpz_class_from_-Double_Box_with_complexity, 298
ppl_new_BD_Shape_mpz_class_from_-Float_Box, 293
ppl_new_BD_Shape_mpz_class_from_-Float_Box_with_complexity, 297
ppl_new_BD_Shape_mpz_class_from_-Generator_System, 299
ppl_new_BD_Shape_mpz_class_from_Grid, 293
ppl_new_BD_Shape_mpz_class_from_Grid_-with_complexity, 297
ppl_new_BD_Shape_mpz_class_from_-Int16_Box, 290
ppl_new_BD_Shape_mpz_class_from_-Int16_Box_with_complexity, 294
ppl_new_BD_Shape_mpz_class_from_-Int32_Box, 290
ppl_new_BD_Shape_mpz_class_from_-Int32_Box_with_complexity, 294
ppl_new_BD_Shape_mpz_class_from_-Int64_Box, 291
ppl_new_BD_Shape_mpz_class_from_-Int64_Box_with_complexity, 295
ppl_new_BD_Shape_mpz_class_from_Int8_-Box, 290
ppl_new_BD_Shape_mpz_class_from_Int8_-Box_with_complexity, 294
ppl_new_BD_Shape_mpz_class_from_-Long_Double_Box, 294
ppl_new_BD_Shape_mpz_class_from_-Long_Double_Box_with_complexity,

298
ppl_new_BD_Shape_mpz_class_from_-NNC_Polyhedron, 293
ppl_new_BD_Shape_mpz_class_from_-NNC_Polyhedron_with_complexity, 297
ppl_new_BD_Shape_mpz_class_from_-Octagonal_Shape_double, 294
ppl_new_BD_Shape_mpz_class_from_-Octagonal_Shape_double_with_-complexity, 298
ppl_new_BD_Shape_mpz_class_from_-Octagonal_Shape_float, 293
ppl_new_BD_Shape_mpz_class_from_-Octagonal_Shape_float_with_-complexity, 298
ppl_new_BD_Shape_mpz_class_from_-Octagonal_Shape_int16_t, 292
ppl_new_BD_Shape_mpz_class_from_-Octagonal_Shape_int16_t_with_-complexity, 296
ppl_new_BD_Shape_mpz_class_from_-Octagonal_Shape_int32_t, 292
ppl_new_BD_Shape_mpz_class_from_-Octagonal_Shape_int32_t_with_-complexity, 296
ppl_new_BD_Shape_mpz_class_from_-Octagonal_Shape_int64_t, 292
ppl_new_BD_Shape_mpz_class_from_-Octagonal_Shape_int64_t_with_-complexity, 297
ppl_new_BD_Shape_mpz_class_from_-Octagonal_Shape_int8_t, 292
ppl_new_BD_Shape_mpz_class_from_-Octagonal_Shape_int8_t_with_-complexity, 296
ppl_new_BD_Shape_mpz_class_from_-Octagonal_Shape_long_double, 294
ppl_new_BD_Shape_mpz_class_from_-Octagonal_Shape_long_double_with_-complexity, 298
ppl_new_BD_Shape_mpz_class_from_-Octagonal_Shape_mpq_class, 293
ppl_new_BD_Shape_mpz_class_from_-Octagonal_Shape_mpq_class_with_-complexity, 297
ppl_new_BD_Shape_mpz_class_from_-Octagonal_Shape_mpz_class, 293
ppl_new_BD_Shape_mpz_class_from_-Octagonal_Shape_mpz_class_with_-complexity, 297
ppl_new_BD_Shape_mpz_class_from_-Rational_Box, 291
ppl_new_BD_Shape_mpz_class_from_-Rational_Box_with_complexity, 295
ppl_new_BD_Shape_mpz_class_from_-space_dimension, 290
ppl_new_BD_Shape_mpz_class_from_-Uint16_Box, 291
ppl_new_BD_Shape_mpz_class_from_-Uint16_Box_with_complexity, 295
ppl_new_BD_Shape_mpz_class_from_-Uint32_Box, 291
ppl_new_BD_Shape_mpz_class_from_-Uint32_Box_with_complexity, 295
ppl_new_BD_Shape_mpz_class_from_-Uint64_Box, 291
ppl_new_BD_Shape_mpz_class_from_-Uint64_Box_with_complexity, 295
ppl_new_BD_Shape_mpz_class_from_-Uint8_Box, 291
ppl_new_BD_Shape_mpz_class_from_-Uint8_Box_with_complexity, 295
ppl_new_BD_Shape_mpz_class_from_Z_-Box, 291
ppl_new_BD_Shape_mpz_class_from_Z_-Box_with_complexity, 295
ppl_new_BD_Shape_mpz_class_recycle_-Congruence_System, 308
ppl_new_BD_Shape_mpz_class_recycle_-Constraint_System, 308
ppl_new_BD_Shape_mpz_class_recycle_-Generator_System, 309
ppl_one_affine_ranking_function_MS_BD_-Shape_mpz_class, 309
ppl_one_affine_ranking_function_MS_BD_-Shape_mpz_class_2, 310
ppl_one_affine_ranking_function_PR_BD_-Shape_mpz_class, 309
ppl_one_affine_ranking_function_PR_BD_-Shape_mpz_class_2, 310
ppl_termination_test_MS_BD_Shape_mpz_-class, 309
ppl_termination_test_MS_BD_Shape_mpz_-class_2, 310
ppl_termination_test_PR_BD_Shape_mpz_-class, 309
ppl_termination_test_PR_BD_Shape_mpz_-class_2, 310
ppl_BD_Shape_mpz_class_time_elapse_assign
ppl_BD_Shape_mpz_class_tag, 303
ppl_BD_Shape_mpz_class_topological_closure_-assign
ppl_BD_Shape_mpz_class_tag, 300
ppl_BD_Shape_mpz_class_total_memory_in_-bytes
ppl_BD_Shape_mpz_class_tag, 306

ppl_BD_Shape_mpz_class_unconstrain_space_-dimension
ppl_BD_Shape_mpz_class_tag, 304
ppl_BD_Shape_mpz_class_unconstrain_space_-dimensions
ppl_BD_Shape_mpz_class_tag, 304
ppl_BD_Shape_mpz_class_upper_bound_assign
ppl_BD_Shape_mpz_class_tag, 303
ppl_BD_Shape_mpz_class_upper_bound_assign_-if_exact
ppl_BD_Shape_mpz_class_tag, 303
ppl_BD_Shape_mpz_class_widening_assign
ppl_BD_Shape_mpz_class_tag, 307
ppl_BD_Shape_mpz_class_widening_assign_-with_tokens
ppl_BD_Shape_mpz_class_tag, 307
ppl_BD_Shape_mpz_class_wrap_assign
ppl_BD_Shape_mpz_class_tag, 308
ppl_Coefficient_tag, 311
ppl_Congruence_System_const_iterator_tag, 313
ppl_Congruence_System_tag, 314
ppl_Congruence_tag, 315
ppl_Constraint_System_const_iterator_tag, 317
ppl_Constraint_System_tag, 318
ppl_Constraint_tag, 320
ppl_Constraints_Product_C_Polyhedron_Grid_-add_congruence
ppl_Constraints_Product_C_Polyhedron_-Grid_tag, 340
ppl_Constraints_Product_C_Polyhedron_Grid_-add_congruences
ppl_Constraints_Product_C_Polyhedron_-Grid_tag, 340
ppl_Constraints_Product_C_Polyhedron_Grid_-add_constraint
ppl_Constraints_Product_C_Polyhedron_-Grid_tag, 340
ppl_Constraints_Product_C_Polyhedron_Grid_-add_constraints
ppl_Constraints_Product_C_Polyhedron_-Grid_tag, 340
ppl_Constraints_Product_C_Polyhedron_Grid_-add_space_dimensions_and_embed
ppl_Constraints_Product_C_Polyhedron_-Grid_tag, 343
ppl_Constraints_Product_C_Polyhedron_Grid_-add_space_dimensions_and_project
ppl_Constraints_Product_C_Polyhedron_-Grid_tag, 343
ppl_Constraints_Product_C_Polyhedron_Grid_-affine_dimension
ppl_Constraints_Product_C_Polyhedron_-Grid_tag, 337
ppl_Constraints_Product_C_Polyhedron_Grid_-affine_image
ppl_Constraints_Product_C_Polyhedron_-Grid_tag, 342
ppl_Constraints_Product_C_Polyhedron_Grid_-affine_preimage
ppl_Constraints_Product_C_Polyhedron_-Grid_tag, 342
ppl_Constraints_Product_C_Polyhedron_Grid_-ascii_dump
ppl_Constraints_Product_C_Polyhedron_-Grid_tag, 345
ppl_Constraints_Product_C_Polyhedron_Grid_-ascii_load
ppl_Constraints_Product_C_Polyhedron_-Grid_tag, 345
ppl_Constraints_Product_C_Polyhedron_Grid_-bounded_affine_image
ppl_Constraints_Product_C_Polyhedron_-Grid_tag, 342
ppl_Constraints_Product_C_Polyhedron_Grid_-bounded_affine_preimage
ppl_Constraints_Product_C_Polyhedron_-Grid_tag, 342
ppl_Constraints_Product_C_Polyhedron_Grid_-bounds_from_above
ppl_Constraints_Product_C_Polyhedron_-Grid_tag, 338
ppl_Constraints_Product_C_Polyhedron_Grid_-bounds_from_below
ppl_Constraints_Product_C_Polyhedron_-Grid_tag, 338
ppl_Constraints_Product_C_Polyhedron_Grid_-concatenate_assign
ppl_Constraints_Product_C_Polyhedron_-Grid_tag, 341
ppl_Constraints_Product_C_Polyhedron_Grid_-constrains
ppl_Constraints_Product_C_Polyhedron_-Grid_tag, 341
ppl_Constraints_Product_C_Polyhedron_Grid_-contains_Constraints_Product_C_-Polyhedron_Grid
ppl_Constraints_Product_C_Polyhedron_-Grid_tag, 339
ppl_Constraints_Product_C_Polyhedron_Grid_-difference_assign
ppl_Constraints_Product_C_Polyhedron_-Grid_tag, 341
ppl_Constraints_Product_C_Polyhedron_Grid_-drop_some_non_integer_points
ppl_Constraints_Product_C_Polyhedron_-Grid_tag, 344
ppl_Constraints_Product_C_Polyhedron_Grid_-

drop_some_non_integer_points_2
ppl_Constraints_Product_C_Polyhedron_Grid_tag, 344
ppl_Constraints_Product_C_Polyhedron_Grid_equals_Constraints_Product_C_Polyhedron_Grid
ppl_Constraints_Product_C_Polyhedron_Grid_tag, 339
ppl_Constraints_Product_C_Polyhedron_Grid_expand_space_dimension
ppl_Constraints_Product_C_Polyhedron_Grid_tag, 344
ppl_Constraints_Product_C_Polyhedron_Grid_external_memory_in_bytes
ppl_Constraints_Product_C_Polyhedron_Grid_tag, 344
ppl_Constraints_Product_C_Polyhedron_Grid_fold_space_dimensions
ppl_Constraints_Product_C_Polyhedron_Grid_tag, 344
ppl_Constraints_Product_C_Polyhedron_Grid_generalized_affine_image
ppl_Constraints_Product_C_Polyhedron_Grid_tag, 342
ppl_Constraints_Product_C_Polyhedron_Grid_generalized_affine_image_lhs_rhs
ppl_Constraints_Product_C_Polyhedron_Grid_tag, 343
ppl_Constraints_Product_C_Polyhedron_Grid_generalized_affine_preimage
ppl_Constraints_Product_C_Polyhedron_Grid_tag, 343
ppl_Constraints_Product_C_Polyhedron_Grid_generalized_affine_preimage_lhs_rhs
ppl_Constraints_Product_C_Polyhedron_Grid_tag, 343
ppl_Constraints_Product_C_Polyhedron_Grid_intersection_assign
ppl_Constraints_Product_C_Polyhedron_Grid_tag, 341
ppl_Constraints_Product_C_Polyhedron_Grid_is_bounded
ppl_Constraints_Product_C_Polyhedron_Grid_tag, 338
ppl_Constraints_Product_C_Polyhedron_Grid_is_discrete
ppl_Constraints_Product_C_Polyhedron_Grid_tag, 338
ppl_Constraints_Product_C_Polyhedron_Grid_is_empty
ppl_Constraints_Product_C_Polyhedron_Grid_tag, 338
ppl_Constraints_Product_C_Polyhedron_Grid_is_topologically_closed
ppl_Constraints_Product_C_Polyhedron_Grid_tag, 338
ppl_Constraints_Product_C_Polyhedron_Grid_is_universe
ppl_Constraints_Product_C_Polyhedron_Grid_tag, 338
ppl_Constraints_Product_C_Polyhedron_Grid_map_space_dimensions
ppl_Constraints_Product_C_Polyhedron_Grid_tag, 344
ppl_Constraints_Product_C_Polyhedron_Grid_maximize
ppl_Constraints_Product_C_Polyhedron_Grid_tag, 339
ppl_Constraints_Product_C_Polyhedron_Grid_maximize_with_point
ppl_Constraints_Product_C_Polyhedron_Grid_tag, 339
ppl_Constraints_Product_C_Polyhedron_Grid_minimize
ppl_Constraints_Product_C_Polyhedron_Grid_tag, 339
ppl_Constraints_Product_C_Polyhedron_Grid_minimize_with_point
ppl_Constraints_Product_C_Polyhedron_Grid_tag, 339
ppl_Constraints_Product_C_Polyhedron_Grid_OK
ppl_Constraints_Product_C_Polyhedron_Grid_tag, 340
ppl_Constraints_Product_C_Polyhedron_Grid_refine_with_congruence
ppl_Constraints_Product_C_Polyhedron_Grid_tag, 340
ppl_Constraints_Product_C_Polyhedron_Grid_refine_with_congruences
ppl_Constraints_Product_C_Polyhedron_Grid_tag, 341
ppl_Constraints_Product_C_Polyhedron_Grid_refine_with_constraint
ppl_Constraints_Product_C_Polyhedron_Grid_tag, 340
ppl_Constraints_Product_C_Polyhedron_Grid_refine_with_constraints
ppl_Constraints_Product_C_Polyhedron_Grid_tag, 340
ppl_Constraints_Product_C_Polyhedron_Grid_relation_with_Congruence
ppl_Constraints_Product_C_Polyhedron_Grid_tag, 338
ppl_Constraints_Product_C_Polyhedron_Grid_relation_with_Constraint
ppl_Constraints_Product_C_Polyhedron_Grid_tag, 337

ppl_Constraints_Product_C_Polyhedron_Grid_-relation_with_Generator
ppl_Constraints_Product_C_Polyhedron_-Grid_tag, 337
ppl_Constraints_Product_C_Polyhedron_Grid_-remove_higher_space_dimensions
ppl_Constraints_Product_C_Polyhedron_-Grid_tag, 343
ppl_Constraints_Product_C_Polyhedron_Grid_-remove_space_dimensions
ppl_Constraints_Product_C_Polyhedron_-Grid_tag, 343
ppl_Constraints_Product_C_Polyhedron_Grid_-space_dimension
ppl_Constraints_Product_C_Polyhedron_-Grid_tag, 337
ppl_Constraints_Product_C_Polyhedron_Grid_-strictly_contains_Constraints_Product_-C_Polyhedron_Grid
ppl_Constraints_Product_C_Polyhedron_-Grid_tag, 339
ppl_Constraints_Product_C_Polyhedron_Grid_tag, 321
ppl_Constraints_Product_C_Polyhedron_-Grid_add_congruence, 340
ppl_Constraints_Product_C_Polyhedron_-Grid_add_congruences, 340
ppl_Constraints_Product_C_Polyhedron_-Grid_add_constraint, 340
ppl_Constraints_Product_C_Polyhedron_-Grid_add_constraints, 340
ppl_Constraints_Product_C_Polyhedron_-Grid_add_space_dimensions_and_-embed, 343
ppl_Constraints_Product_C_Polyhedron_-Grid_add_space_dimensions_and_-project, 343
ppl_Constraints_Product_C_Polyhedron_-Grid_affine_dimension, 337
ppl_Constraints_Product_C_Polyhedron_-Grid_affine_image, 342
ppl_Constraints_Product_C_Polyhedron_-Grid_affine_preimage, 342
ppl_Constraints_Product_C_Polyhedron_-Grid_ascii_dump, 345
ppl_Constraints_Product_C_Polyhedron_-Grid_ascii_load, 345
ppl_Constraints_Product_C_Polyhedron_-Grid_bounded_affine_image, 342
ppl_Constraints_Product_C_Polyhedron_-Grid_bounded_affine_preimage, 342
ppl_Constraints_Product_C_Polyhedron_-Grid_bounds_from_above, 338
ppl_Constraints_Product_C_Polyhedron_-Grid_bounds_from_below, 338
ppl_Constraints_Product_C_Polyhedron_-Grid_concatenate_assign, 341
ppl_Constraints_Product_C_Polyhedron_-Grid_constrains, 341
ppl_Constraints_Product_C_Polyhedron_-Grid_difference_assign, 341
ppl_Constraints_Product_C_Polyhedron_-Grid_drop_some_non_integer_points, 344
ppl_Constraints_Product_C_Polyhedron_-Grid_expand_space_dimension, 344
ppl_Constraints_Product_C_Polyhedron_-Grid_external_memory_in_bytes, 344
ppl_Constraints_Product_C_Polyhedron_-Grid_fold_space_dimensions, 344
ppl_Constraints_Product_C_Polyhedron_-Grid_generalized_affine_image, 342
ppl_Constraints_Product_C_Polyhedron_-Grid_generalized_affine_image_lhs_rhs, 343
ppl_Constraints_Product_C_Polyhedron_-Grid_generalized_affine_preimage, 343
ppl_Constraints_Product_C_Polyhedron_-Grid_generalized_affine_preimage_lhs_-rhs, 343
ppl_Constraints_Product_C_Polyhedron_-Grid_intersection_assign, 341
ppl_Constraints_Product_C_Polyhedron_-Grid_is_bounded, 338
ppl_Constraints_Product_C_Polyhedron_-Grid_is_discrete, 338
ppl_Constraints_Product_C_Polyhedron_-Grid_is_empty, 338
ppl_Constraints_Product_C_Polyhedron_-Grid_is_topologically_closed, 338
ppl_Constraints_Product_C_Polyhedron_-Grid_is_universe, 338
ppl_Constraints_Product_C_Polyhedron_-Grid_map_space_dimensions, 344
ppl_Constraints_Product_C_Polyhedron_-Grid_maximize, 339
ppl_Constraints_Product_C_Polyhedron_-Grid_maximize_with_point, 339
ppl_Constraints_Product_C_Polyhedron_-Grid_minimize, 339
ppl_Constraints_Product_C_Polyhedron_-Grid_minimize_with_point, 339
ppl_Constraints_Product_C_Polyhedron_-Grid_OK, 340
ppl_Constraints_Product_C_Polyhedron_-Grid_refine_with_congruence, 340
ppl_Constraints_Product_C_Polyhedron_-Grid_refine_with_congruences, 341

ppl_Constraints_Product_C_Polyhedron_-
Grid_refine_with_constraint, 340
ppl_Constraints_Product_C_Polyhedron_-
Grid_refine_with_constraints, 340
ppl_Constraints_Product_C_Polyhedron_-
Grid_relation_with_Congruence, 338
ppl_Constraints_Product_C_Polyhedron_-
Grid_relation_with_Constraint, 337
ppl_Constraints_Product_C_Polyhedron_-
Grid_relation_with_Generator, 337
ppl_Constraints_Product_C_Polyhedron_-
Grid_remove_higher_space_dimensions,
343
ppl_Constraints_Product_C_Polyhedron_-
Grid_remove_space_dimensions, 343
ppl_Constraints_Product_C_Polyhedron_-
Grid_space_dimension, 337
ppl_Constraints_Product_C_Polyhedron_-
Grid_time_elapse_assign, 341
ppl_Constraints_Product_C_Polyhedron_-
Grid_topological_closure_assign, 338
ppl_Constraints_Product_C_Polyhedron_-
Grid_total_memory_in_bytes, 344
ppl_Constraints_Product_C_Polyhedron_-
Grid_unconstrain_space_dimension,
342
ppl_Constraints_Product_C_Polyhedron_-
Grid_unconstrain_space_dimensions,
342
ppl_Constraints_Product_C_Polyhedron_-
Grid_upper_bound_assign, 341
ppl_Constraints_Product_C_Polyhedron_-
Grid_upper_bound_assign_if_exact,
341
ppl_Constraints_Product_C_Polyhedron_-
Grid_widening_assign, 345
ppl_Constraints_Product_C_Polyhedron_-
Grid_widening_assign_with_tokens,
344
ppl_delete_Constraints_Product_C_-
Polyhedron_Grid, 328
ppl_io_asprint_Constraints_Product_C_-
Polyhedron_Grid, 345
ppl_io_fprint_Constraints_Product_C_-
Polyhedron_Grid, 345
ppl_io_print_Constraints_Product_C_-
Polyhedron_Grid, 345
ppl_new_Constraints_Product_C_-
Polyhedron_Grid_from_BD_Shape_-
double, 332
ppl_new_Constraints_Product_C_-
Polyhedron_Grid_from_BD_Shape_-
float, 331
ppl_new_Constraints_Product_C_-
Polyhedron_Grid_from_BD_Shape_-
int16_t, 329
ppl_new_Constraints_Product_C_-
Polyhedron_Grid_from_BD_Shape_-
int32_t, 330
ppl_new_Constraints_Product_C_-
Polyhedron_Grid_from_BD_Shape_-
int64_t, 330
ppl_new_Constraints_Product_C_-
Polyhedron_Grid_from_BD_Shape_-
int8_t, 329
ppl_new_Constraints_Product_C_-
Polyhedron_Grid_from_C_Polyhedron,
331
ppl_new_Constraints_Product_C_-
Polyhedron_Grid_from_Congruence_-
System, 337
ppl_new_Constraints_Product_C_-
Polyhedron_Grid_from_Constraint_-
System, 337
ppl_new_Constraints_Product_C_-
Polyhedron_Grid_from_Double_Box,
332
ppl_new_Constraints_Product_C_-
Polyhedron_Grid_from_Float_Box,
331
ppl_new_Constraints_Product_C_-
Polyhedron_Grid_from_Grid, 331
ppl_new_Constraints_Product_C_-
Polyhedron_Grid_from_Grid_with_-
complexity, 335
ppl_new_Constraints_Product_C_-
Polyhedron_Grid_from_Int16_Box,
328
ppl_new_Constraints_Product_C_-
Polyhedron_Grid_from_Int32_Box,
328
ppl_new_Constraints_Product_C_-
Polyhedron_Grid_from_Int64_Box,
328
ppl_new_Constraints_Product_C_-
Polyhedron_Grid_from_Int8_Box,
328
ppl_new_Constraints_Product_C_-
Polyhedron_Grid_from_Long_Double_-
Box, 332
ppl_new_Constraints_Product_C_-
Polyhedron_Grid_from_NNC_-
Polyhedron, 331
ppl_new_Constraints_Product_C_-
Polyhedron_Grid_from_Octagonal_-
Shape_double, 332
ppl_new_Constraints_Product_C_-
Polyhedron_Grid_from_Octagonal_-

Shape_float, 331
ppl_new_Constraints_Product_C_-Polyhedron_Grid_from_Rational_Box, 329
ppl_new_Constraints_Product_C_-Polyhedron_Grid_from_space_-dimension, 328
ppl_new_Constraints_Product_C_-Polyhedron_Grid_from_Uint16_Box, 329
ppl_new_Constraints_Product_C_-Polyhedron_Grid_from_Uint32_Box, 329
ppl_new_Constraints_Product_C_-Polyhedron_Grid_from_Uint64_Box, 329
ppl_new_Constraints_Product_C_-Polyhedron_Grid_from_Uint8_Box, 329
ppl_new_Constraints_Product_C_-Polyhedron_Grid_from_Z_Box, 329
ppl_Constraints_Product_C_Polyhedron_Grid_-time_elapse_assign
ppl_Constraints_Product_C_Polyhedron_-Grid_tag, 341
ppl_Constraints_Product_C_Polyhedron_Grid_-topological_closure_assign
ppl_Constraints_Product_C_Polyhedron_-Grid_tag, 338
ppl_Constraints_Product_C_Polyhedron_Grid_-total_memory_in_bytes
ppl_Constraints_Product_C_Polyhedron_-Grid_tag, 344
ppl_Constraints_Product_C_Polyhedron_Grid_-unconstrain_space_dimension
ppl_Constraints_Product_C_Polyhedron_-Grid_tag, 342
ppl_Constraints_Product_C_Polyhedron_Grid_-unconstrain_space_dimensions
ppl_Constraints_Product_C_Polyhedron_-Grid_tag, 342
ppl_Constraints_Product_C_Polyhedron_Grid_-upper_bound_assign
ppl_Constraints_Product_C_Polyhedron_-Grid_tag, 341
ppl_Constraints_Product_C_Polyhedron_Grid_-upper_bound_assign_if_exact
ppl_Constraints_Product_C_Polyhedron_-Grid_tag, 341
ppl_Constraints_Product_C_Polyhedron_Grid_-widening_assign
ppl_Constraints_Product_C_Polyhedron_-Grid_tag, 345
ppl_Constraints_Product_C_Polyhedron_Grid_-widening_assign_with_tokens
ppl_Constraints_Product_C_Polyhedron_-Grid_tag, 344
ppl_Constraints_Product_Grid_C_Polyhedron_-add_congruence
ppl_Constraints_Product_Grid_C_-Polyhedron_tag, 364
ppl_Constraints_Product_Grid_C_Polyhedron_-add_congruences
ppl_Constraints_Product_Grid_C_-Polyhedron_tag, 364
ppl_Constraints_Product_Grid_C_Polyhedron_-add_constraint
ppl_Constraints_Product_Grid_C_-Polyhedron_tag, 364
ppl_Constraints_Product_Grid_C_Polyhedron_-add_constraints
ppl_Constraints_Product_Grid_C_-Polyhedron_tag, 364
ppl_Constraints_Product_Grid_C_Polyhedron_-add_space_dimensions_and_embed
ppl_Constraints_Product_Grid_C_-Polyhedron_tag, 367
ppl_Constraints_Product_Grid_C_Polyhedron_-add_space_dimensions_and_project
ppl_Constraints_Product_Grid_C_-Polyhedron_tag, 367
ppl_Constraints_Product_Grid_C_Polyhedron_-affine_dimension
ppl_Constraints_Product_Grid_C_-Polyhedron_tag, 361
ppl_Constraints_Product_Grid_C_Polyhedron_-affine_image
ppl_Constraints_Product_Grid_C_-Polyhedron_tag, 366
ppl_Constraints_Product_Grid_C_Polyhedron_-affine_preimage
ppl_Constraints_Product_Grid_C_-Polyhedron_tag, 366
ppl_Constraints_Product_Grid_C_Polyhedron_-ascii_dump
ppl_Constraints_Product_Grid_C_-Polyhedron_tag, 369
ppl_Constraints_Product_Grid_C_Polyhedron_-ascii_load
ppl_Constraints_Product_Grid_C_-Polyhedron_tag, 369
ppl_Constraints_Product_Grid_C_Polyhedron_-bounded_affine_image
ppl_Constraints_Product_Grid_C_-Polyhedron_tag, 366
ppl_Constraints_Product_Grid_C_Polyhedron_-bounded_affine_preimage

ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 366
ppl_Constraints_Product_Grid_C_Polyhedron_-
bounds_from_above
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 362
ppl_Constraints_Product_Grid_C_Polyhedron_-
bounds_from_below
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 362
ppl_Constraints_Product_Grid_C_Polyhedron_-
concatenate_assign
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 365
ppl_Constraints_Product_Grid_C_Polyhedron_-
constrains
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 365
ppl_Constraints_Product_Grid_C_Polyhedron_-
contains_Constraints_Product_Grid_C_-
Polyhedron
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 363
ppl_Constraints_Product_Grid_C_Polyhedron_-
difference_assign
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 365
ppl_Constraints_Product_Grid_C_Polyhedron_-
drop_some_non_integer_points
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 368
ppl_Constraints_Product_Grid_C_Polyhedron_-
drop_some_non_integer_points_2
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 368
ppl_Constraints_Product_Grid_C_Polyhedron_-
equals_Constraints_Product_Grid_C_-
Polyhedron
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 363
ppl_Constraints_Product_Grid_C_Polyhedron_-
expand_space_dimension
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 368
ppl_Constraints_Product_Grid_C_Polyhedron_-
external_memory_in_bytes
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 368
ppl_Constraints_Product_Grid_C_Polyhedron_-
fold_space_dimensions
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 368
ppl_Constraints_Product_Grid_C_Polyhedron_-
generalized_affine_image
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 366
ppl_Constraints_Product_Grid_C_Polyhedron_-
generalized_affine_image_lhs_rhs
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 367
ppl_Constraints_Product_Grid_C_Polyhedron_-
generalized_affine_preimage
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 367
ppl_Constraints_Product_Grid_C_Polyhedron_-
generalized_affine_preimage_lhs_rhs
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 367
ppl_Constraints_Product_Grid_C_Polyhedron_-
intersection_assign
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 365
ppl_Constraints_Product_Grid_C_Polyhedron_is_-
bounded
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 362
ppl_Constraints_Product_Grid_C_Polyhedron_is_-
discrete
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 362
ppl_Constraints_Product_Grid_C_Polyhedron_is_-
empty
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 362
ppl_Constraints_Product_Grid_C_Polyhedron_is_-
topologically_closed
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 362
ppl_Constraints_Product_Grid_C_Polyhedron_is_-
universe
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 362
ppl_Constraints_Product_Grid_C_Polyhedron_-
map_space_dimensions
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 368
ppl_Constraints_Product_Grid_C_Polyhedron_-
maximize
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 363
ppl_Constraints_Product_Grid_C_Polyhedron_-
maximize_with_point
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 363
ppl_Constraints_Product_Grid_C_Polyhedron_-
minimize
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 363

ppl_Constraints_Product_Grid_C_Polyhedron_-
minimize_with_point
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 363
ppl_Constraints_Product_Grid_C_Polyhedron_OK
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 364
ppl_Constraints_Product_Grid_C_Polyhedron_-
refine_with_congruence
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 364
ppl_Constraints_Product_Grid_C_Polyhedron_-
refine_with_congruences
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 365
ppl_Constraints_Product_Grid_C_Polyhedron_-
refine_with_constraint
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 364
ppl_Constraints_Product_Grid_C_Polyhedron_-
refine_with_constraints
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 364
ppl_Constraints_Product_Grid_C_Polyhedron_-
relation_with_Congruence
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 362
ppl_Constraints_Product_Grid_C_Polyhedron_-
relation_with_Constraint
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 361
ppl_Constraints_Product_Grid_C_Polyhedron_-
relation_with_Generator
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 361
ppl_Constraints_Product_Grid_C_Polyhedron_-
remove_higher_space_dimensions
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 367
ppl_Constraints_Product_Grid_C_Polyhedron_-
remove_space_dimensions
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 367
ppl_Constraints_Product_Grid_C_Polyhedron_-
space_dimension
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 361
ppl_Constraints_Product_Grid_C_Polyhedron_-
strictly_contains_Constraints_Product_-
Grid_C_Polyhedron
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 363
ppl_Constraints_Product_Grid_C_Polyhedron_tag,
345
ppl_Constraints_Product_Grid_C_-
Polyhedron_add_congruence, 364
ppl_Constraints_Product_Grid_C_-
Polyhedron_add_congruences, 364
ppl_Constraints_Product_Grid_C_-
Polyhedron_add_constraint, 364
ppl_Constraints_Product_Grid_C_-
Polyhedron_add_constraints, 364
ppl_Constraints_Product_Grid_C_-
Polyhedron_add_space_dimensions_-
and_embed, 367
ppl_Constraints_Product_Grid_C_-
Polyhedron_add_space_dimensions_-
and_project, 367
ppl_Constraints_Product_Grid_C_-
Polyhedron_affine_dimension, 361
ppl_Constraints_Product_Grid_C_-
Polyhedron_affine_image, 366
ppl_Constraints_Product_Grid_C_-
Polyhedron_affine_preimage, 366
ppl_Constraints_Product_Grid_C_-
Polyhedron_ascii_dump, 369
ppl_Constraints_Product_Grid_C_-
Polyhedron_ascii_load, 369
ppl_Constraints_Product_Grid_C_-
Polyhedron_bounded_affine_image,
366
ppl_Constraints_Product_Grid_C_-
Polyhedron_bounded_affine_preimage,
366
ppl_Constraints_Product_Grid_C_-
Polyhedron_bounds_from_above, 362
ppl_Constraints_Product_Grid_C_-
Polyhedron_bounds_from_below, 362
ppl_Constraints_Product_Grid_C_-
Polyhedron_concatenate_assign, 365
ppl_Constraints_Product_Grid_C_-
Polyhedron_constrains, 365
ppl_Constraints_Product_Grid_C_-
Polyhedron_difference_assign, 365
ppl_Constraints_Product_Grid_C_-
Polyhedron_drop_some_non_integer_-
points, 368
ppl_Constraints_Product_Grid_C_-
Polyhedron_expand_space_dimension,
368
ppl_Constraints_Product_Grid_C_-
Polyhedron_external_memory_in_bytes,
368
ppl_Constraints_Product_Grid_C_-
Polyhedron_fold_space_dimensions,
368
ppl_Constraints_Product_Grid_C_-
Polyhedron_generalized_affine_image,

366
ppl_Constraints_Product_Grid_C_-Polyhedron_generalized_affine_image_-lhs_rhs, 367
ppl_Constraints_Product_Grid_C_-Polyhedron_generalized_affine_-preimage, 367
ppl_Constraints_Product_Grid_C_-Polyhedron_generalized_affine_-preimage_lhs_rhs, 367
ppl_Constraints_Product_Grid_C_-Polyhedron_intersection_assign, 365
ppl_Constraints_Product_Grid_C_-Polyhedron_is_bounded, 362
ppl_Constraints_Product_Grid_C_-Polyhedron_is_discrete, 362
ppl_Constraints_Product_Grid_C_-Polyhedron_is_empty, 362
ppl_Constraints_Product_Grid_C_-Polyhedron_is_topologically_closed, 362
ppl_Constraints_Product_Grid_C_-Polyhedron_is_universe, 362
ppl_Constraints_Product_Grid_C_-Polyhedron_map_space_dimensions, 368
ppl_Constraints_Product_Grid_C_-Polyhedron_maximize, 363
ppl_Constraints_Product_Grid_C_-Polyhedron_maximize_with_point, 363
ppl_Constraints_Product_Grid_C_-Polyhedron_minimize, 363
ppl_Constraints_Product_Grid_C_-Polyhedron_minimize_with_point, 363
ppl_Constraints_Product_Grid_C_-Polyhedron_OK, 364
ppl_Constraints_Product_Grid_C_-Polyhedron_refine_with_congruence, 364
ppl_Constraints_Product_Grid_C_-Polyhedron_refine_with_congruences, 365
ppl_Constraints_Product_Grid_C_-Polyhedron_refine_with_constraint, 364
ppl_Constraints_Product_Grid_C_-Polyhedron_refine_with_constraints, 364
ppl_Constraints_Product_Grid_C_-Polyhedron_relation_with_Congruence, 362
ppl_Constraints_Product_Grid_C_-Polyhedron_relation_with_Constraint, 361
ppl_Constraints_Product_Grid_C_-Polyhedron_relation_with_Generator, 361
ppl_Constraints_Product_Grid_C_-Polyhedron_remove_higher_space_-dimensions, 367
ppl_Constraints_Product_Grid_C_-Polyhedron_remove_space_dimensions, 367
ppl_Constraints_Product_Grid_C_-Polyhedron_space_dimension, 361
ppl_Constraints_Product_Grid_C_-Polyhedron_time_elapse_assign, 365
ppl_Constraints_Product_Grid_C_-Polyhedron_topological_closure_assign, 362
ppl_Constraints_Product_Grid_C_-Polyhedron_total_memory_in_bytes, 368
ppl_Constraints_Product_Grid_C_-Polyhedron_unconstrain_space_-dimension, 366
ppl_Constraints_Product_Grid_C_-Polyhedron_unconstrain_space_-dimensions, 366
ppl_Constraints_Product_Grid_C_-Polyhedron_upper_bound_assign, 365
ppl_Constraints_Product_Grid_C_-Polyhedron_upper_bound_assign_-if_exact, 365
ppl_Constraints_Product_Grid_C_-Polyhedron_widening_assign, 369
ppl_Constraints_Product_Grid_C_-Polyhedron_widening_assign_with_-tokens, 368
ppl_delete_Constraints_Product_Grid_C_-Polyhedron, 352
ppl_io_asprint_Constraints_Product_Grid_-C_Polyhedron, 369
ppl_io_fprint_Constraints_Product_Grid_C_-Polyhedron, 369
ppl_io_print_Constraints_Product_Grid_C_-Polyhedron, 369
ppl_new_Constraints_Product_Grid_C_-Polyhedron_from_BD_Shape_double, 356
ppl_new_Constraints_Product_Grid_C_-Polyhedron_from_BD_Shape_float, 355
ppl_new_Constraints_Product_Grid_C_-Polyhedron_from_BD_Shape_int16_t, 353

ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_BD_Shape_int32_t,
354
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_BD_Shape_int64_t,
354
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_BD_Shape_int8_t,
353
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_C_Polyhedron, 355
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Congruence_System,
361
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Constraint_System,
361
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Double_Box, 356
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Float_Box, 355
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Grid, 355
ppl_new_Constraints_Product_Grid_-
C_Polyhedron_from_Grid_with_-
complexity, 359
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Int16_Box, 352
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Int32_Box, 352
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Int64_Box, 352
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Int8_Box, 352
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Long_Double_Box,
356
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_NNC_Polyhedron,
355
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Octagonal_Shape_-
double, 356
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Octagonal_Shape_-
float, 355
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Rational_Box, 353
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_space_dimension,
352
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Uint16_Box, 353
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Uint32_Box, 353
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Uint64_Box, 353
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Uint8_Box, 353
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Z_Box, 353
ppl_Constraints_Product_Grid_C_Polyhedron_-
time_elapse_assign
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 365
ppl_Constraints_Product_Grid_C_Polyhedron_-
topological_closure_assign
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 362
ppl_Constraints_Product_Grid_C_Polyhedron_-
total_memory_in_bytes
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 368
ppl_Constraints_Product_Grid_C_Polyhedron_-
unconstrain_space_dimension
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 366
ppl_Constraints_Product_Grid_C_Polyhedron_-
unconstrain_space_dimensions
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 366
ppl_Constraints_Product_Grid_C_Polyhedron_-
upper_bound_assign
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 365
ppl_Constraints_Product_Grid_C_Polyhedron_-
upper_bound_assign_if_exact
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 365
ppl_Constraints_Product_Grid_C_Polyhedron_-
widening_assign
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 369
ppl_Constraints_Product_Grid_C_Polyhedron_-
widening_assign_with_tokens
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 368
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_add_congruence
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 388
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_add_congruences
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 389
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_add_constraint

ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 388
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_add_constraints
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 388
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_add_space_dimensions_-
and_embed
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 391
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_add_space_dimensions_-
and_project
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 392
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_affine_dimension
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 386
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_affine_image
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 390
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_affine_preimage
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 390
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_ascii_dump
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 393
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_ascii_load
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 394
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_bounded_affine_image
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 391
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_bounded_affine_preimage
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 391
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_bounds_from_above
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 387
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_bounds_from_below
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 387
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_concatenate_assign
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 390
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_constrains
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 390
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_contains_Constraints_-
Product_Grid_NNC_Polyhedron
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 388
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_difference_assign
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 389
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_drop_some_non_integer_-
points
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 392
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_drop_some_non_integer_-
points_2
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 392
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_equals_Constraints_-
Product_Grid_NNC_Polyhedron
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 388
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_expand_space_dimension
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 392
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_external_memory_in_bytes
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 393
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_fold_space_dimensions
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 392
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_generalized_affine_image
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 391
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_generalized_affine_image_-
lhs_rhs
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 391
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_generalized_affine_preimage
ppl_Constraints_Product_Grid_NNC_-

Polyhedron_tag, 391
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_generalized_affine_-
preimage_lhs_rhs
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 391
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_intersection_assign
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 389
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_is_bounded
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 386
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_is_discrete
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 387
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_is_empty
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 386
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_is_topologically_closed
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 386
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_is_universe
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 386
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_map_space_dimensions
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 392
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_maximize
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 387
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_maximize_with_point
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 387
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_minimize
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 387
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_minimize_with_point
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 387
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_OK
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 388
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_refine_with_congruence
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 389
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_refine_with_congruences
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 389
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_refine_with_constraint
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 389
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_refine_with_constraints
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 389
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_relation_with_Congruence
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 386
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_relation_with_Constraint
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 386
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_relation_with_Generator
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 386
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_remove_higher_space_-
dimensions
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 392
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_remove_space_dimensions
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 392
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_space_dimension
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 385
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_strictly_contains_-
Constraints_Product_Grid_NNC_-
Polyhedron
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 388
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 369
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_add_congruence, 388
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_add_congruences, 389
ppl_Constraints_Product_Grid_NNC_-

Polyhedron_add_constraint, 388
ppl_Constraints_Product_Grid_NNC_-Polyhedron_add_constraints, 388
ppl_Constraints_Product_Grid_NNC_-Polyhedron_add_space_dimensions_-and_embed, 391
ppl_Constraints_Product_Grid_NNC_-Polyhedron_add_space_dimensions_-and_project, 392
ppl_Constraints_Product_Grid_NNC_-Polyhedron_affine_dimension, 386
ppl_Constraints_Product_Grid_NNC_-Polyhedron_affine_image, 390
ppl_Constraints_Product_Grid_NNC_-Polyhedron_affine_preimage, 390
ppl_Constraints_Product_Grid_NNC_-Polyhedron_ascii_dump, 393
ppl_Constraints_Product_Grid_NNC_-Polyhedron_ascii_load, 394
ppl_Constraints_Product_Grid_NNC_-Polyhedron_bounded_affine_image, 391
ppl_Constraints_Product_Grid_NNC_-Polyhedron_bounded_affine_preimage, 391
ppl_Constraints_Product_Grid_NNC_-Polyhedron_bounds_from_above, 387
ppl_Constraints_Product_Grid_NNC_-Polyhedron_bounds_from_below, 387
ppl_Constraints_Product_Grid_NNC_-Polyhedron_concatenate_assign, 390
ppl_Constraints_Product_Grid_NNC_-Polyhedron_constrains, 390
ppl_Constraints_Product_Grid_NNC_-Polyhedron_difference_assign, 389
ppl_Constraints_Product_Grid_NNC_-Polyhedron_drop_some_non_integer_-points, 392
ppl_Constraints_Product_Grid_NNC_-Polyhedron_expand_space_dimension, 392
ppl_Constraints_Product_Grid_NNC_-Polyhedron_external_memory_in_bytes, 393
ppl_Constraints_Product_Grid_NNC_-Polyhedron_fold_space_dimensions, 392
ppl_Constraints_Product_Grid_NNC_-Polyhedron_generalized_affine_image, 391
ppl_Constraints_Product_Grid_NNC_-Polyhedron_generalized_affine_image_-lhs_rhs, 391
ppl_Constraints_Product_Grid_NNC_-Polyhedron_generalized_affine_-preimage, 391
ppl_Constraints_Product_Grid_NNC_-Polyhedron_generalized_affine_-preimage_lhs_rhs, 391
ppl_Constraints_Product_Grid_NNC_-Polyhedron_intersection_assign, 389
ppl_Constraints_Product_Grid_NNC_-Polyhedron_is_bounded, 386
ppl_Constraints_Product_Grid_NNC_-Polyhedron_is_discrete, 387
ppl_Constraints_Product_Grid_NNC_-Polyhedron_is_empty, 386
ppl_Constraints_Product_Grid_NNC_-Polyhedron_is_topologically_closed, 386
ppl_Constraints_Product_Grid_NNC_-Polyhedron_is_universe, 386
ppl_Constraints_Product_Grid_NNC_-Polyhedron_map_space_dimensions, 392
ppl_Constraints_Product_Grid_NNC_-Polyhedron_maximize, 387
ppl_Constraints_Product_Grid_NNC_-Polyhedron_maximize_with_point, 387
ppl_Constraints_Product_Grid_NNC_-Polyhedron_minimize, 387
ppl_Constraints_Product_Grid_NNC_-Polyhedron_minimize_with_point, 387
ppl_Constraints_Product_Grid_NNC_-Polyhedron_OK, 388
ppl_Constraints_Product_Grid_NNC_-Polyhedron_refine_with_congruence, 389
ppl_Constraints_Product_Grid_NNC_-Polyhedron_refine_with_congruences, 389
ppl_Constraints_Product_Grid_NNC_-Polyhedron_refine_with_constraint, 389
ppl_Constraints_Product_Grid_NNC_-Polyhedron_refine_with_constraints, 389
ppl_Constraints_Product_Grid_NNC_-Polyhedron_relation_with_Congruence, 386
ppl_Constraints_Product_Grid_NNC_-Polyhedron_relation_with_Constraint, 386
ppl_Constraints_Product_Grid_NNC_-Polyhedron_relation_with_Generator, 386

ppl_Constraints_Product_Grid_NNC_-Polyhedron_remove_higher_space_-dimensions, 392
ppl_Constraints_Product_Grid_NNC_-Polyhedron_remove_space_dimensions, 392
ppl_Constraints_Product_Grid_NNC_-Polyhedron_space_dimension, 385
ppl_Constraints_Product_Grid_NNC_-Polyhedron_time_elapse_assign, 390
ppl_Constraints_Product_Grid_NNC_-Polyhedron_topological_closure_assign, 387
ppl_Constraints_Product_Grid_NNC_-Polyhedron_total_memory_in_bytes, 393
ppl_Constraints_Product_Grid_NNC_-Polyhedron_unconstrain_space_-dimension, 390
ppl_Constraints_Product_Grid_NNC_-Polyhedron_unconstrain_space_-dimensions, 390
ppl_Constraints_Product_Grid_NNC_-Polyhedron_upper_bound_assign, 389
ppl_Constraints_Product_Grid_NNC_-Polyhedron_upper_bound_assign_-if_exact, 390
ppl_Constraints_Product_Grid_NNC_-Polyhedron_widening_assign, 393
ppl_Constraints_Product_Grid_NNC_-Polyhedron_widening_assign_with_-tokens, 393
ppl_delete_Constraints_Product_Grid_NNC_-Polyhedron, 376
ppl_io_asprint_Constraints_Product_Grid_-NNC_Polyhedron, 393
ppl_io_fprint_Constraints_Product_Grid_-NNC_Polyhedron, 393
ppl_io_print_Constraints_Product_Grid_-NNC_Polyhedron, 393
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_BD_Shape_double, 380
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_BD_Shape_float, 380
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_C_Polyhedron, 379
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Congruence_System, 385
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Constraint_System, 385
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Double_Box, 380
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Float_Box, 380
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Grid, 379
ppl_new_Constraints_Product_Grid_-NNC_Polyhedron_from_Grid_with_-complexity, 384
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Int16_Box, 377
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Int32_Box, 377
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Int64_Box, 377
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Int8_Box, 376
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Long_Double_Box, 380
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_NNC_Polyhedron, 379
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Octagonal_Shape_-double, 380
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Octagonal_Shape_-float, 380
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Rational_Box, 378
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_space_dimension, 376
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Uint16_Box, 377
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Uint32_Box, 377
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Uint64_Box, 377
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Uint8_Box, 377
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Z_Box, 377
ppl_Constraints_Product_Grid_NNC_-Polyhedron_time_elapse_assign
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 390
ppl_Constraints_Product_Grid_NNC_-Polyhedron_topological_closure_assign
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 387
ppl_Constraints_Product_Grid_NNC_-Polyhedron_total_memory_in_bytes

ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 393
ppl_Constraints_Product_Grid_NNC_-Polyhedron_unconstrain_space_-dimension
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 390
ppl_Constraints_Product_Grid_NNC_-Polyhedron_unconstrain_space_-dimensions
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 390
ppl_Constraints_Product_Grid_NNC_-Polyhedron_upper_bound_assign
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 389
ppl_Constraints_Product_Grid_NNC_-Polyhedron_upper_bound_assign_-if_exact
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 390
ppl_Constraints_Product_Grid_NNC_-Polyhedron_widening_assign
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 393
ppl_Constraints_Product_Grid_NNC_-Polyhedron_widening_assign_with_-tokens
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 393
ppl_Constraints_Product_NNC_Polyhedron_-Grid_add_congruence
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 413
ppl_Constraints_Product_NNC_Polyhedron_-Grid_add_congruences
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 413
ppl_Constraints_Product_NNC_Polyhedron_-Grid_add_constraint
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 413
ppl_Constraints_Product_NNC_Polyhedron_-Grid_add_constraints
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 413
ppl_Constraints_Product_NNC_Polyhedron_-Grid_add_space_dimensions_and_embed
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 416
ppl_Constraints_Product_NNC_Polyhedron_-Grid_add_space_dimensions_and_-project
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 416
ppl_Constraints_Product_NNC_Polyhedron_-Grid_affine_dimension
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 410
ppl_Constraints_Product_NNC_Polyhedron_-Grid_affine_image
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 415
ppl_Constraints_Product_NNC_Polyhedron_-Grid_affine_preimage
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 415
ppl_Constraints_Product_NNC_Polyhedron_-Grid_ascii_dump
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 418
ppl_Constraints_Product_NNC_Polyhedron_-Grid_ascii_load
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 418
ppl_Constraints_Product_NNC_Polyhedron_-Grid_bounded_affine_image
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 415
ppl_Constraints_Product_NNC_Polyhedron_-Grid_bounded_affine_preimage
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 415
ppl_Constraints_Product_NNC_Polyhedron_-Grid_bounds_from_above
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 411
ppl_Constraints_Product_NNC_Polyhedron_-Grid_bounds_from_below
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 411
ppl_Constraints_Product_NNC_Polyhedron_-Grid_concatenate_assign
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 414
ppl_Constraints_Product_NNC_Polyhedron_-Grid_constrains
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 414
ppl_Constraints_Product_NNC_Polyhedron_-Grid_contains_Constraints_Product_-NNC_Polyhedron_Grid
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 412
ppl_Constraints_Product_NNC_Polyhedron_-Grid_difference_assign
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 414

ppl_Constraints_Product_NNC_Polyhedron_-
Grid_drop_some_non_integer_points
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 417
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_drop_some_non_integer_points_2
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 417
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_equals_Constraints_Product_-
NNC_Polyhedron_Grid
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 412
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_expand_space_dimension
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 416
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_external_memory_in_bytes
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 417
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_fold_space_dimensions
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 417
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_generalized_affine_image
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 415
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_generalized_affine_image_lhs_rhs
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 416
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_generalized_affine_preimage
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 415
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_generalized_affine_preimage_lhs_-
rhs
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 416
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_intersection_assign
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 414
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_is_bounded
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 411
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_is_discrete
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 411
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_is_empty
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 410
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_is_topologically_closed
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 411
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_is_universe
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 411
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_map_space_dimensions
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 417
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_maximize
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 411
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_maximize_with_point
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 412
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_minimize
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 411
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_minimize_with_point
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 412
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_OK
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 412
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_refine_with_congruence
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 413
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_refine_with_congruences
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 413
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_refine_with_constraint
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 413
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_refine_with_constraints
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 413
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_relation_with_Congruence

ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 410
ppl_Constraints_Product_NNC_Polyhedron_-Grid_relation_with_Constraint
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 410
ppl_Constraints_Product_NNC_Polyhedron_-Grid_relation_with_Generator
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 410
ppl_Constraints_Product_NNC_Polyhedron_-Grid_remove_higher_space_dimensions
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 416
ppl_Constraints_Product_NNC_Polyhedron_-Grid_remove_space_dimensions
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 416
ppl_Constraints_Product_NNC_Polyhedron_-Grid_space_dimension
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 410
ppl_Constraints_Product_NNC_Polyhedron_-Grid_strictly_contains_Constraints_-Product_NNC_Polyhedron_Grid
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 412
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 394
ppl_Constraints_Product_NNC_Polyhedron_-Grid_add_congruence, 413
ppl_Constraints_Product_NNC_Polyhedron_-Grid_add_congruences, 413
ppl_Constraints_Product_NNC_Polyhedron_-Grid_add_constraint, 413
ppl_Constraints_Product_NNC_Polyhedron_-Grid_add_constraints, 413
ppl_Constraints_Product_NNC_Polyhedron_-Grid_add_space_dimensions_and_-embed, 416
ppl_Constraints_Product_NNC_Polyhedron_-Grid_add_space_dimensions_and_-project, 416
ppl_Constraints_Product_NNC_Polyhedron_-Grid_affine_dimension, 410
ppl_Constraints_Product_NNC_Polyhedron_-Grid_affine_image, 415
ppl_Constraints_Product_NNC_Polyhedron_-Grid_affine_preimage, 415
ppl_Constraints_Product_NNC_Polyhedron_-Grid_ascii_dump, 418
ppl_Constraints_Product_NNC_Polyhedron_-Grid_ascii_load, 418
ppl_Constraints_Product_NNC_Polyhedron_-Grid_bounded_affine_image, 415
ppl_Constraints_Product_NNC_Polyhedron_-Grid_bounded_affine_preimage, 415
ppl_Constraints_Product_NNC_Polyhedron_-Grid_bounds_from_above, 411
ppl_Constraints_Product_NNC_Polyhedron_-Grid_bounds_from_below, 411
ppl_Constraints_Product_NNC_Polyhedron_-Grid_concatenate_assign, 414
ppl_Constraints_Product_NNC_Polyhedron_-Grid_constrains, 414
ppl_Constraints_Product_NNC_Polyhedron_-Grid_difference_assign, 414
ppl_Constraints_Product_NNC_Polyhedron_-Grid_drop_some_non_integer_points, 417
ppl_Constraints_Product_NNC_Polyhedron_-Grid_expand_space_dimension, 416
ppl_Constraints_Product_NNC_Polyhedron_-Grid_external_memory_in_bytes, 417
ppl_Constraints_Product_NNC_Polyhedron_-Grid_fold_space_dimensions, 417
ppl_Constraints_Product_NNC_Polyhedron_-Grid_generalized_affine_image, 415
ppl_Constraints_Product_NNC_Polyhedron_-Grid_generalized_affine_image_lhs_rhs, 416
ppl_Constraints_Product_NNC_Polyhedron_-Grid_generalized_affine_preimage, 415
ppl_Constraints_Product_NNC_Polyhedron_-Grid_generalized_affine_preimage_lhs_-rhs, 416
ppl_Constraints_Product_NNC_Polyhedron_-Grid_intersection_assign, 414
ppl_Constraints_Product_NNC_Polyhedron_-Grid_is_bounded, 411
ppl_Constraints_Product_NNC_Polyhedron_-Grid_is_discrete, 411
ppl_Constraints_Product_NNC_Polyhedron_-Grid_is_empty, 410
ppl_Constraints_Product_NNC_Polyhedron_-Grid_is_topologically_closed, 411
ppl_Constraints_Product_NNC_Polyhedron_-Grid_is_universe, 411
ppl_Constraints_Product_NNC_Polyhedron_-Grid_map_space_dimensions, 417
ppl_Constraints_Product_NNC_Polyhedron_-Grid_maximize, 411
ppl_Constraints_Product_NNC_Polyhedron_-Grid_maximize_with_point, 412
ppl_Constraints_Product_NNC_Polyhedron_-Grid_minimize, 411
ppl_Constraints_Product_NNC_Polyhedron_-Grid_minimize_with_point, 412

ppl_Constraints_Product_NNC_Polyhedron_-
Grid_OK, 412
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_refine_with_congruence, 413
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_refine_with_congruences, 413
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_refine_with_constraint, 413
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_refine_with_constraints, 413
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_relation_with_Congruence, 410
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_relation_with_Constraint, 410
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_relation_with_Generator, 410
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_remove_higher_space_dimensions,
416
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_remove_space_dimensions, 416
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_space_dimension, 410
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_time_elapse_assign, 414
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_topological_closure_assign, 411
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_total_memory_in_bytes, 417
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_unconstrain_space_dimension,
414
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_unconstrain_space_dimensions,
415
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_upper_bound_assign, 414
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_upper_bound_assign_if_exact,
414
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_widening_assign, 417
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_widening_assign_with_tokens,
417
ppl_delete_Constraints_Product_NNC_-
Polyhedron_Grid, 401
ppl_io_asprint_Constraints_Product_NNC_-
Polyhedron_Grid, 418
ppl_io_fprint_Constraints_Product_NNC_-
Polyhedron_Grid, 418
ppl_io_print_Constraints_Product_NNC_-
Polyhedron_Grid, 418
ppl_new_Constraints_Product_NNC_-
Polyhedron_Grid_from_BD_Shape_-
double, 404
ppl_new_Constraints_Product_NNC_-
Polyhedron_Grid_from_BD_Shape_-
float, 404
ppl_new_Constraints_Product_NNC_-
Polyhedron_Grid_from_C_Polyhedron,
404
ppl_new_Constraints_Product_NNC_-
Polyhedron_Grid_from_Congruence_-
System, 410
ppl_new_Constraints_Product_NNC_-
Polyhedron_Grid_from_Constraint_-
System, 410
ppl_new_Constraints_Product_NNC_-
Polyhedron_Grid_from_Double_Box,
404
ppl_new_Constraints_Product_NNC_-
Polyhedron_Grid_from_Float_Box,
404
ppl_new_Constraints_Product_NNC_-
Polyhedron_Grid_from_Grid, 404
ppl_new_Constraints_Product_NNC_-
Polyhedron_Grid_from_Grid_with_-
complexity, 408
ppl_new_Constraints_Product_NNC_-
Polyhedron_Grid_from_Int16_Box,
401
ppl_new_Constraints_Product_NNC_-
Polyhedron_Grid_from_Int32_Box,
401
ppl_new_Constraints_Product_NNC_-
Polyhedron_Grid_from_Int64_Box,
401
ppl_new_Constraints_Product_NNC_-
Polyhedron_Grid_from_Int8_Box,
401
ppl_new_Constraints_Product_NNC_-
Polyhedron_Grid_from_Long_Double_-
Box, 405
ppl_new_Constraints_Product_NNC_-
Polyhedron_Grid_from_NNC_-
Polyhedron, 404
ppl_new_Constraints_Product_NNC_-
Polyhedron_Grid_from_Octagonal_-
Shape_double, 405
ppl_new_Constraints_Product_NNC_-
Polyhedron_Grid_from_Octagonal_-
Shape_float, 404
ppl_new_Constraints_Product_NNC_-
Polyhedron_Grid_from_Rational_Box,
402
ppl_new_Constraints_Product_NNC_-
Polyhedron_Grid_from_space_-

dimension, 401
ppl_new_Constraints_Product_NNC_-Polyhedron_Grid_from_Uint16_Box, 401
ppl_new_Constraints_Product_NNC_-Polyhedron_Grid_from_Uint32_Box, 402
ppl_new_Constraints_Product_NNC_-Polyhedron_Grid_from_Uint64_Box, 402
ppl_new_Constraints_Product_NNC_-Polyhedron_Grid_from_Uint8_Box, 401
ppl_new_Constraints_Product_NNC_-Polyhedron_Grid_from_Z_Box, 402
ppl_Constraints_Product_NNC_Polyhedron_-Grid_time_elapse_assign
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 414
ppl_Constraints_Product_NNC_Polyhedron_-Grid_topological_closure_assign
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 411
ppl_Constraints_Product_NNC_Polyhedron_-Grid_total_memory_in_bytes
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 417
ppl_Constraints_Product_NNC_Polyhedron_-Grid_unconstrain_space_dimension
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 414
ppl_Constraints_Product_NNC_Polyhedron_-Grid_unconstrain_space_dimensions
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 415
ppl_Constraints_Product_NNC_Polyhedron_-Grid_upper_bound_assign
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 414
ppl_Constraints_Product_NNC_Polyhedron_-Grid_upper_bound_assign_if_exact
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 414
ppl_Constraints_Product_NNC_Polyhedron_-Grid_widening_assign
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 417
ppl_Constraints_Product_NNC_Polyhedron_-Grid_widening_assign_with_tokens
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 417
ppl_delete_BD_Shape_double
ppl_BD_Shape_double_tag, 68
ppl_delete_BD_Shape_float
ppl_BD_Shape_float_tag, 96
ppl_delete_BD_Shape_int16_t
ppl_BD_Shape_int16_t_tag, 123
ppl_delete_BD_Shape_int32_t
ppl_BD_Shape_int32_t_tag, 151
ppl_delete_BD_Shape_int64_t
ppl_BD_Shape_int64_t_tag, 178
ppl_delete_BD_Shape_int8_t
ppl_BD_Shape_int8_t_tag, 206
ppl_delete_BD_Shape_long_double
ppl_BD_Shape_long_double_tag, 234
ppl_delete_BD_Shape_mpq_class
ppl_BD_Shape_mpq_class_tag, 262
ppl_delete_BD_Shape_mpz_class
ppl_BD_Shape_mpz_class_tag, 290
ppl_delete_Constraints_Product_C_Polyhedron_-Grid
ppl_Constraints_Product_C_Polyhedron_-Grid_tag, 328
ppl_delete_Constraints_Product_Grid_C_-Polyhedron
ppl_Constraints_Product_Grid_C_-Polyhedron_tag, 352
ppl_delete_Constraints_Product_Grid_NNC_-Polyhedron
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 376
ppl_delete_Constraints_Product_NNC_-Polyhedron_Grid
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 401
ppl_delete_Double_Box
ppl_Double_Box_tag, 425
ppl_delete_Float_Box
ppl_Float_Box_tag, 449
ppl_delete_Grid
ppl_Grid_tag, 482
ppl_delete_Int16_Box
ppl_Int16_Box_tag, 508
ppl_delete_Int32_Box
ppl_Int32_Box_tag, 532
ppl_delete_Int64_Box
ppl_Int64_Box_tag, 557
ppl_delete_Int8_Box
ppl_Int8_Box_tag, 581
ppl_delete_Long_Double_Box
ppl_Long_Double_Box_tag, 609
ppl_delete_Octagonal_Shape_double
ppl_Octagonal_Shape_double_tag, 641
ppl_delete_Octagonal_Shape_float
ppl_Octagonal_Shape_float_tag, 669
ppl_delete_Octagonal_Shape_int16_t
ppl_Octagonal_Shape_int16_t_tag, 696
ppl_delete_Octagonal_Shape_int32_t

ppl_Octagonal_Shape_int32_t_tag, 725
ppl_delete_Octagonal_Shape_int64_t
ppl_Octagonal_Shape_int64_t_tag, 753
ppl_delete_Octagonal_Shape_int8_t
ppl_Octagonal_Shape_int8_t_tag, 781
ppl_delete_Octagonal_Shape_long_double
ppl_Octagonal_Shape_long_double_tag, 809
ppl_delete_Octagonal_Shape_mpq_class
ppl_Octagonal_Shape_mpq_class_tag, 838
ppl_delete_Octagonal_Shape_mpz_class
ppl_Octagonal_Shape_mpz_class_tag, 867
ppl_delete_Pointset_Powerset_BD_Shape_double
ppl_Pointset_Powerset_BD_Shape_double_-tag, 904
ppl_delete_Pointset_Powerset_BD_Shape_-double_const_iterator
ppl_Pointset_Powerset_BD_Shape_double_-const_iterator_tag, 898
ppl_delete_Pointset_Powerset_BD_Shape_-double_iterator
ppl_Pointset_Powerset_BD_Shape_double_-iterator_tag, 900
ppl_delete_Pointset_Powerset_BD_Shape_float
ppl_Pointset_Powerset_BD_Shape_float_tag, 923
ppl_delete_Pointset_Powerset_BD_Shape_float_-const_iterator
ppl_Pointset_Powerset_BD_Shape_float_-const_iterator_tag, 917
ppl_delete_Pointset_Powerset_BD_Shape_float_-iterator
ppl_Pointset_Powerset_BD_Shape_float_-iterator_tag, 918
ppl_delete_Pointset_Powerset_BD_Shape_int16_t
ppl_Pointset_Powerset_BD_Shape_int16_t_-tag, 941
ppl_delete_Pointset_Powerset_BD_Shape_int16_-t_const_iterator
ppl_Pointset_Powerset_BD_Shape_int16_t_-const_iterator_tag, 935
ppl_delete_Pointset_Powerset_BD_Shape_int16_-t_iterator
ppl_Pointset_Powerset_BD_Shape_int16_t_-iterator_tag, 937
ppl_delete_Pointset_Powerset_BD_Shape_int32_t
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 960
ppl_delete_Pointset_Powerset_BD_Shape_int32_-t_const_iterator
ppl_Pointset_Powerset_BD_Shape_int32_t_-const_iterator_tag, 954
ppl_delete_Pointset_Powerset_BD_Shape_int32_-t_iterator
ppl_Pointset_Powerset_BD_Shape_int32_t_-iterator_tag, 955
ppl_delete_Pointset_Powerset_BD_Shape_int64_t
ppl_Pointset_Powerset_BD_Shape_int64_t_-tag, 978
ppl_delete_Pointset_Powerset_BD_Shape_int64_-t_const_iterator
ppl_Pointset_Powerset_BD_Shape_int64_t_-const_iterator_tag, 972
ppl_delete_Pointset_Powerset_BD_Shape_int64_-t_iterator
ppl_Pointset_Powerset_BD_Shape_int64_t_-iterator_tag, 974
ppl_delete_Pointset_Powerset_BD_Shape_int8_t
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 997
ppl_delete_Pointset_Powerset_BD_Shape_int8_t_-const_iterator
ppl_Pointset_Powerset_BD_Shape_int8_t_-const_iterator_tag, 991
ppl_delete_Pointset_Powerset_BD_Shape_int8_t_-iterator
ppl_Pointset_Powerset_BD_Shape_int8_t_-iterator_tag, 992
ppl_delete_Pointset_Powerset_BD_Shape_long_-double
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1015
ppl_delete_Pointset_Powerset_BD_Shape_long_-double_const_iterator
ppl_Pointset_Powerset_BD_Shape_long_-double_const_iterator_tag, 1009
ppl_delete_Pointset_Powerset_BD_Shape_long_-double_iterator
ppl_Pointset_Powerset_BD_Shape_long_-double_iterator_tag, 1011
ppl_delete_Pointset_Powerset_BD_Shape_mpq_-class
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1034
ppl_delete_Pointset_Powerset_BD_Shape_mpq_-class_const_iterator
ppl_Pointset_Powerset_BD_Shape_mpq_-class_const_iterator_tag, 1028
ppl_delete_Pointset_Powerset_BD_Shape_mpq_-class_iterator
ppl_Pointset_Powerset_BD_Shape_mpq_-class_iterator_tag, 1030
ppl_delete_Pointset_Powerset_BD_Shape_mpz_-class
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1053
ppl_delete_Pointset_Powerset_BD_Shape_mpz_-class_const_iterator

ppl_Pointset_Powerset_BD_Shape_mpz_-class_const_iterator_tag, 1047
ppl_delete_Pointset_Powerset_BD_Shape_mpz_-class_iterator
ppl_Pointset_Powerset_BD_Shape_mpz_-class_iterator_tag, 1049
ppl_delete_Pointset_Powerset_C_Polyhedron
ppl_Pointset_Powerset_C_Polyhedron_tag, 1075
ppl_delete_Pointset_Powerset_C_Polyhedron_-const_iterator
ppl_Pointset_Powerset_C_Polyhedron_-const_iterator_tag, 1065
ppl_delete_Pointset_Powerset_C_Polyhedron_-iterator
ppl_Pointset_Powerset_C_Polyhedron_-iterator_tag, 1068
ppl_delete_Pointset_Powerset_Double_Box
ppl_Pointset_Powerset_Double_Box_tag, 1092
ppl_delete_Pointset_Powerset_Double_Box_-const_iterator
ppl_Pointset_Powerset_Double_Box_const_-iterator_tag, 1086
ppl_delete_Pointset_Powerset_Double_Box_-iterator
ppl_Pointset_Powerset_Double_Box_-iterator_tag, 1088
ppl_delete_Pointset_Powerset_Float_Box
ppl_Pointset_Powerset_Float_Box_tag, 1109
ppl_delete_Pointset_Powerset_Float_Box_const_-iterator
ppl_Pointset_Powerset_Float_Box_const_-iterator_tag, 1103
ppl_delete_Pointset_Powerset_Float_Box_iterator
ppl_Pointset_Powerset_Float_Box_iterator_-tag, 1105
ppl_delete_Pointset_Powerset_Grid
ppl_Pointset_Powerset_Grid_tag, 1126
ppl_delete_Pointset_Powerset_Grid_const_iterator
ppl_Pointset_Powerset_Grid_const_iterator_-tag, 1120
ppl_delete_Pointset_Powerset_Grid_iterator
ppl_Pointset_Powerset_Grid_iterator_tag, 1122
ppl_delete_Pointset_Powerset_Int16_Box
ppl_Pointset_Powerset_Int16_Box_tag, 1143
ppl_delete_Pointset_Powerset_Int16_Box_const_-iterator
ppl_Pointset_Powerset_Int16_Box_const_-iterator_tag, 1138
ppl_delete_Pointset_Powerset_Int16_Box_iterator
ppl_Pointset_Powerset_Int16_Box_iterator_-tag, 1139
ppl_delete_Pointset_Powerset_Int32_Box
ppl_Pointset_Powerset_Int32_Box_tag, 1160
ppl_delete_Pointset_Powerset_Int32_Box_const_-iterator
ppl_Pointset_Powerset_Int32_Box_const_-iterator_tag, 1155
ppl_delete_Pointset_Powerset_Int32_Box_iterator
ppl_Pointset_Powerset_Int32_Box_iterator_-tag, 1157
ppl_delete_Pointset_Powerset_Int64_Box
ppl_Pointset_Powerset_Int64_Box_tag, 1177
ppl_delete_Pointset_Powerset_Int64_Box_const_-iterator
ppl_Pointset_Powerset_Int64_Box_const_-iterator_tag, 1172
ppl_delete_Pointset_Powerset_Int64_Box_iterator
ppl_Pointset_Powerset_Int64_Box_iterator_-tag, 1174
ppl_delete_Pointset_Powerset_Int8_Box
ppl_Pointset_Powerset_Int8_Box_tag, 1194
ppl_delete_Pointset_Powerset_Int8_Box_const_-iterator
ppl_Pointset_Powerset_Int8_Box_const_-iterator_tag, 1189
ppl_delete_Pointset_Powerset_Int8_Box_iterator
ppl_Pointset_Powerset_Int8_Box_iterator_-tag, 1190
ppl_delete_Pointset_Powerset_Long_Double_Box
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1212
ppl_delete_Pointset_Powerset_Long_Double_-Box_const_iterator
ppl_Pointset_Powerset_Long_Double_Box_-const_iterator_tag, 1206
ppl_delete_Pointset_Powerset_Long_Double_-Box_iterator
ppl_Pointset_Powerset_Long_Double_Box_-iterator_tag, 1208
ppl_delete_Pointset_Powerset_NNC_Polyhedron
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1230
ppl_delete_Pointset_Powerset_NNC_Polyhedron_-const_iterator
ppl_Pointset_Powerset_NNC_Polyhedron_-const_iterator_tag, 1223
ppl_delete_Pointset_Powerset_NNC_Polyhedron_-iterator
ppl_Pointset_Powerset_NNC_Polyhedron_-iterator_tag, 1225
ppl_delete_Pointset_Powerset_Octagonal_Shape_-double
ppl_Pointset_Powerset_Octagonal_Shape_-double_tag, 1248

ppl_delete_Pointset_Powerset_Octagonal_Shape_-double_const_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-double_const_iterator_tag, 1242
ppl_delete_Pointset_Powerset_Octagonal_Shape_-double_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-double_iterator_tag, 1244
ppl_delete_Pointset_Powerset_Octagonal_Shape_-float
ppl_Pointset_Powerset_Octagonal_Shape_-float_tag, 1266
ppl_delete_Pointset_Powerset_Octagonal_Shape_-float_const_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-float_const_iterator_tag, 1260
ppl_delete_Pointset_Powerset_Octagonal_Shape_-float_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-float_iterator_tag, 1262
ppl_delete_Pointset_Powerset_Octagonal_Shape_-int16_t
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1285
ppl_delete_Pointset_Powerset_Octagonal_Shape_-int16_t_const_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_const_iterator_tag, 1279
ppl_delete_Pointset_Powerset_Octagonal_Shape_-int16_t_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_iterator_tag, 1281
ppl_delete_Pointset_Powerset_Octagonal_Shape_-int32_t
ppl_Pointset_Powerset_Octagonal_Shape_-int32_t_tag, 1304
ppl_delete_Pointset_Powerset_Octagonal_Shape_-int32_t_const_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-int32_t_const_iterator_tag, 1297
ppl_delete_Pointset_Powerset_Octagonal_Shape_-int32_t_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-int32_t_iterator_tag, 1299
ppl_delete_Pointset_Powerset_Octagonal_Shape_-int64_t
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1322
ppl_delete_Pointset_Powerset_Octagonal_Shape_-int64_t_const_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_const_iterator_tag, 1316
ppl_delete_Pointset_Powerset_Octagonal_Shape_-int64_t_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_iterator_tag, 1318
ppl_delete_Pointset_Powerset_Octagonal_Shape_-int8_t
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_tag, 1341
ppl_delete_Pointset_Powerset_Octagonal_Shape_-int8_t_const_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_const_iterator_tag, 1335
ppl_delete_Pointset_Powerset_Octagonal_Shape_-int8_t_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_iterator_tag, 1337
ppl_delete_Pointset_Powerset_Octagonal_Shape_-long_double
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1360
ppl_delete_Pointset_Powerset_Octagonal_Shape_-long_double_const_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_const_iterator_tag, 1353
ppl_delete_Pointset_Powerset_Octagonal_Shape_-long_double_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_iterator_tag, 1355
ppl_delete_Pointset_Powerset_Octagonal_Shape_-mpq_class
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_tag, 1379
ppl_delete_Pointset_Powerset_Octagonal_Shape_-mpq_class_const_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_const_iterator_tag, 1373
ppl_delete_Pointset_Powerset_Octagonal_Shape_-mpq_class_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_iterator_tag, 1375
ppl_delete_Pointset_Powerset_Octagonal_Shape_-mpz_class
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1398
ppl_delete_Pointset_Powerset_Octagonal_Shape_-mpz_class_const_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_const_iterator_tag, 1392
ppl_delete_Pointset_Powerset_Octagonal_Shape_-mpz_class_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_iterator_tag, 1394
ppl_delete_Pointset_Powerset_Rational_Box
ppl_Pointset_Powerset_Rational_Box_tag, 1416

ppl_delete_Pointset_Powerset_Rational_Box_-
const_iterator
ppl_Pointset_Powerset_Rational_Box_const_-
iterator_tag, 1410
ppl_delete_Pointset_Powerset_Rational_Box_-
iterator
ppl_Pointset_Powerset_Rational_Box_-
iterator_tag, 1412
ppl_delete_Pointset_Powerset_Uint16_Box
ppl_Pointset_Powerset_Uint16_Box_tag,
1434
ppl_delete_Pointset_Powerset_Uint16_Box_-
const_iterator
ppl_Pointset_Powerset_Uint16_Box_const_-
iterator_tag, 1428
ppl_delete_Pointset_Powerset_Uint16_Box_-
iterator
ppl_Pointset_Powerset_Uint16_Box_-
iterator_tag, 1430
ppl_delete_Pointset_Powerset_Uint32_Box
ppl_Pointset_Powerset_Uint32_Box_tag,
1451
ppl_delete_Pointset_Powerset_Uint32_Box_-
const_iterator
ppl_Pointset_Powerset_Uint32_Box_const_-
iterator_tag, 1446
ppl_delete_Pointset_Powerset_Uint32_Box_-
iterator
ppl_Pointset_Powerset_Uint32_Box_-
iterator_tag, 1447
ppl_delete_Pointset_Powerset_Uint64_Box
ppl_Pointset_Powerset_Uint64_Box_tag,
1469
ppl_delete_Pointset_Powerset_Uint64_Box_-
const_iterator
ppl_Pointset_Powerset_Uint64_Box_const_-
iterator_tag, 1463
ppl_delete_Pointset_Powerset_Uint64_Box_-
iterator
ppl_Pointset_Powerset_Uint64_Box_-
iterator_tag, 1465
ppl_delete_Pointset_Powerset_Uint8_Box
ppl_Pointset_Powerset_Uint8_Box_tag, 1486
ppl_delete_Pointset_Powerset_Uint8_Box_const_-
iterator
ppl_Pointset_Powerset_Uint8_Box_const_-
iterator_tag, 1480
ppl_delete_Pointset_Powerset_Uint8_Box_iterator
ppl_Pointset_Powerset_Uint8_Box_iterator_-
tag, 1482
ppl_delete_Pointset_Powerset_Z_Box
ppl_Pointset_Powerset_Z_Box_tag, 1503
ppl_delete_Pointset_Powerset_Z_Box_const_-
iterator
ppl_Pointset_Powerset_Z_Box_const_-
iterator_tag, 1497
ppl_delete_Pointset_Powerset_Z_Box_iterator
ppl_Pointset_Powerset_Z_Box_iterator_tag,
1499
ppl_delete_Polyhedron
ppl_Polyhedron_tag, 1532
ppl_delete_Rational_Box
ppl_Rational_Box_tag, 1574
ppl_delete_Uint16_Box
ppl_Uint16_Box_tag, 1599
ppl_delete_Uint32_Box
ppl_Uint32_Box_tag, 1624
ppl_delete_Uint64_Box
ppl_Uint64_Box_tag, 1649
ppl_delete_Uint8_Box
ppl_Uint8_Box_tag, 1674
ppl_delete_Z_Box
ppl_Z_Box_tag, 1699
ppl_Double_Box_add_congruence
ppl_Double_Box_tag, 436
ppl_Double_Box_add_congruences
ppl_Double_Box_tag, 436
ppl_Double_Box_add_constraint
ppl_Double_Box_tag, 436
ppl_Double_Box_add_constraints
ppl_Double_Box_tag, 436
ppl_Double_Box_add_recycled_congruences
ppl_Double_Box_tag, 441
ppl_Double_Box_add_recycled_constraints
ppl_Double_Box_tag, 441
ppl_Double_Box_add_space_dimensions_and_-
embed
ppl_Double_Box_tag, 439
ppl_Double_Box_add_space_dimensions_and_-
project
ppl_Double_Box_tag, 439
ppl_Double_Box_affine_dimension
ppl_Double_Box_tag, 433
ppl_Double_Box_affine_image
ppl_Double_Box_tag, 438
ppl_Double_Box_affine_preimage
ppl_Double_Box_tag, 438
ppl_Double_Box_ascii_dump
ppl_Double_Box_tag, 443
ppl_Double_Box_ascii_load
ppl_Double_Box_tag, 443
ppl_Double_Box_bounded_affine_image
ppl_Double_Box_tag, 438
ppl_Double_Box_bounded_affine_preimage
ppl_Double_Box_tag, 438
ppl_Double_Box_bounds_from_above
ppl_Double_Box_tag, 435
ppl_Double_Box_bounds_from_below

ppl_Double_Box_tag, 435
ppl_Double_Box_CC76_widening_assign
ppl_Double_Box_tag, 440
ppl_Double_Box_CC76_widening_assign_with_-
tokens
ppl_Double_Box_tag, 440
ppl_Double_Box_concatenate_assign
ppl_Double_Box_tag, 437
ppl_Double_Box_constrains
ppl_Double_Box_tag, 437
ppl_Double_Box_contains_Double_Box
ppl_Double_Box_tag, 435
ppl_Double_Box_contains_integer_point
ppl_Double_Box_tag, 434
ppl_Double_Box_difference_assign
ppl_Double_Box_tag, 437
ppl_Double_Box_drop_some_non_integer_points
ppl_Double_Box_tag, 439
ppl_Double_Box_drop_some_non_integer_-
points_2
ppl_Double_Box_tag, 440
ppl_Double_Box_equals_Double_Box
ppl_Double_Box_tag, 436
ppl_Double_Box_expand_space_dimension
ppl_Double_Box_tag, 439
ppl_Double_Box_external_memory_in_bytes
ppl_Double_Box_tag, 440
ppl_Double_Box_fold_space_dimensions
ppl_Double_Box_tag, 439
ppl_Double_Box_frequency
ppl_Double_Box_tag, 435
ppl_Double_Box_generalized_affine_image
ppl_Double_Box_tag, 438
ppl_Double_Box_generalized_affine_image_lhs_-
rhs
ppl_Double_Box_tag, 438
ppl_Double_Box_generalized_affine_preimage
ppl_Double_Box_tag, 438
ppl_Double_Box_generalized_affine_preimage_-
lhs_rhs
ppl_Double_Box_tag, 439
ppl_Double_Box_get_congruences
ppl_Double_Box_tag, 434
ppl_Double_Box_get_constraints
ppl_Double_Box_tag, 433
ppl_Double_Box_get_minimized_congruences
ppl_Double_Box_tag, 434
ppl_Double_Box_get_minimized_constraints
ppl_Double_Box_tag, 434
ppl_Double_Box_intersection_assign
ppl_Double_Box_tag, 437
ppl_Double_Box_is_bounded
ppl_Double_Box_tag, 434
ppl_Double_Box_is_discrete
ppl_Double_Box_tag, 434
ppl_Double_Box_is_disjoint_from_Double_Box
ppl_Double_Box_tag, 436
ppl_Double_Box_is_empty
ppl_Double_Box_tag, 434
ppl_Double_Box_is_topologically_closed
ppl_Double_Box_tag, 434
ppl_Double_Box_is_universe
ppl_Double_Box_tag, 434
ppl_Double_Box_limited_CC76_extrapolation_-
assign
ppl_Double_Box_tag, 440
ppl_Double_Box_limited_CC76_extrapolation_-
assign_with_tokens
ppl_Double_Box_tag, 440
ppl_Double_Box_linear_partition
ppl_Double_Box_tag, 441
ppl_Double_Box_map_space_dimensions
ppl_Double_Box_tag, 439
ppl_Double_Box_maximize
ppl_Double_Box_tag, 435
ppl_Double_Box_maximize_with_point
ppl_Double_Box_tag, 435
ppl_Double_Box_minimize
ppl_Double_Box_tag, 435
ppl_Double_Box_minimize_with_point
ppl_Double_Box_tag, 435
ppl_Double_Box_OK
ppl_Double_Box_tag, 436
ppl_Double_Box_refine_with_congruence
ppl_Double_Box_tag, 436
ppl_Double_Box_refine_with_congruences
ppl_Double_Box_tag, 437
ppl_Double_Box_refine_with_constraint
ppl_Double_Box_tag, 436
ppl_Double_Box_refine_with_constraints
ppl_Double_Box_tag, 436
ppl_Double_Box_relation_with_Congruence
ppl_Double_Box_tag, 433
ppl_Double_Box_relation_with_Constraint
ppl_Double_Box_tag, 433
ppl_Double_Box_relation_with_Generator
ppl_Double_Box_tag, 433
ppl_Double_Box_remove_higher_space_-
dimensions
ppl_Double_Box_tag, 439
ppl_Double_Box_remove_space_dimensions
ppl_Double_Box_tag, 439
ppl_Double_Box_simplify_using_context_assign
ppl_Double_Box_tag, 437
ppl_Double_Box_space_dimension
ppl_Double_Box_tag, 433
ppl_Double_Box_strictly_contains_Double_Box
ppl_Double_Box_tag, 435

ppl_Double_Box_tag, 418
ppl_all_affine_ranking_functions_MS_-Double_Box, 442
ppl_all_affine_ranking_functions_MS_-Double_Box_2, 443
ppl_all_affine_ranking_functions_PR_-Double_Box, 442
ppl_all_affine_ranking_functions_PR_-Double_Box_2, 443
ppl_assign_Double_Box_from_Double_Box, 441
ppl_delete_Double_Box, 425
ppl_Double_Box_add_congruence, 436
ppl_Double_Box_add_congruences, 436
ppl_Double_Box_add_constraint, 436
ppl_Double_Box_add_constraints, 436
ppl_Double_Box_add_recycled_congruences, 441
ppl_Double_Box_add_recycled_constraints, 441
ppl_Double_Box_add_space_dimensions_-and_embed, 439
ppl_Double_Box_add_space_dimensions_-and_project, 439
ppl_Double_Box_affine_dimension, 433
ppl_Double_Box_affine_image, 438
ppl_Double_Box_affine_preimage, 438
ppl_Double_Box_ascii_dump, 443
ppl_Double_Box_ascii_load, 443
ppl_Double_Box_bounded_affine_image, 438
ppl_Double_Box_bounded_affine_preimage, 438
ppl_Double_Box_bounds_from_above, 435
ppl_Double_Box_bounds_from_below, 435
ppl_Double_Box_CC76_widening_assign, 440
ppl_Double_Box_CC76_widening_assign_-with_tokens, 440
ppl_Double_Box_concatenate_assign, 437
ppl_Double_Box_constrains, 437
ppl_Double_Box_contains_Double_Box, 435
ppl_Double_Box_contains_integer_point, 434
ppl_Double_Box_difference_assign, 437
ppl_Double_Box_drop_some_non_integer_-points, 439
ppl_Double_Box_drop_some_non_integer_-points_2, 440
ppl_Double_Box_equals_Double_Box, 436
ppl_Double_Box_expand_space_dimension, 439
ppl_Double_Box_external_memory_in_bytes, 440
ppl_Double_Box_fold_space_dimensions, 439
ppl_Double_Box_frequency, 435
ppl_Double_Box_generalized_affine_image, 438
ppl_Double_Box_generalized_affine_image_-lhs_rhs, 438
ppl_Double_Box_generalized_affine_-preimage, 438
ppl_Double_Box_generalized_affine_-preimage_lhs_rhs, 439
ppl_Double_Box_get_congruences, 434
ppl_Double_Box_get_constraints, 433
ppl_Double_Box_get_minimized_-congruences, 434
ppl_Double_Box_get_minimized_constraints, 434
ppl_Double_Box_intersection_assign, 437
ppl_Double_Box_is_bounded, 434
ppl_Double_Box_is_discrete, 434
ppl_Double_Box_is_disjoint_from_Double_-Box, 436
ppl_Double_Box_is_empty, 434
ppl_Double_Box_is_topologically_closed, 434
ppl_Double_Box_is_universe, 434
ppl_Double_Box_limited_CC76_-extrapolation_assign, 440
ppl_Double_Box_limited_CC76_-extrapolation_assign_with_tokens, 440
ppl_Double_Box_linear_partition, 441
ppl_Double_Box_map_space_dimensions, 439
ppl_Double_Box_maximize, 435
ppl_Double_Box_maximize_with_point, 435
ppl_Double_Box_minimize, 435
ppl_Double_Box_minimize_with_point, 435
ppl_Double_Box_OK, 436
ppl_Double_Box_refine_with_congruence, 436
ppl_Double_Box_refine_with_congruences, 437
ppl_Double_Box_refine_with_constraint, 436
ppl_Double_Box_refine_with_constraints, 436
ppl_Double_Box_relation_with_Congruence, 433
ppl_Double_Box_relation_with_Constraint, 433
ppl_Double_Box_relation_with_Generator, 433
ppl_Double_Box_remove_higher_space_-dimensions, 439
ppl_Double_Box_remove_space_dimensions, 439
ppl_Double_Box_simplify_using_context_-assign, 437

ppl_Double_Box_space_dimension, 433
ppl_Double_Box_strictly_contains_Double_-Box, 435
ppl_Double_Box_time_elapse_assign, 437
ppl_Double_Box_topological_closure_assign, 434
ppl_Double_Box_total_memory_in_bytes, 440
ppl_Double_Box_unconstrain_space_-dimension, 438
ppl_Double_Box_unconstrain_space_-dimensions, 438
ppl_Double_Box_upper_bound_assign, 437
ppl_Double_Box_upper_bound_assign_if_-exact, 437
ppl_Double_Box_widening_assign, 440
ppl_Double_Box_widening_assign_with_-tokens, 440
ppl_Double_Box_wrap_assign, 441
ppl_io_asprint_Double_Box, 443
ppl_io_fprint_Double_Box, 443
ppl_io_print_Double_Box, 443
ppl_new_Double_Box_from_BD_Shape_-double, 428
ppl_new_Double_Box_from_BD_Shape_-double_with_complexity, 432
ppl_new_Double_Box_from_BD_Shape_-float, 428
ppl_new_Double_Box_from_BD_Shape_-float_with_complexity, 432
ppl_new_Double_Box_from_BD_Shape_-int16_t, 426
ppl_new_Double_Box_from_BD_Shape_-int16_t_with_complexity, 430
ppl_new_Double_Box_from_BD_Shape_-int32_t, 426
ppl_new_Double_Box_from_BD_Shape_-int32_t_with_complexity, 430
ppl_new_Double_Box_from_BD_Shape_-int64_t, 426
ppl_new_Double_Box_from_BD_Shape_-int64_t_with_complexity, 430
ppl_new_Double_Box_from_BD_Shape_-int8_t, 426
ppl_new_Double_Box_from_BD_Shape_-int8_t_with_complexity, 430
ppl_new_Double_Box_from_BD_Shape_-long_double, 428
ppl_new_Double_Box_from_BD_Shape_-long_double_with_complexity, 432
ppl_new_Double_Box_from_BD_Shape_-mpq_class, 426
ppl_new_Double_Box_from_BD_Shape_-mpq_class_with_complexity, 430
ppl_new_Double_Box_from_BD_Shape_-mpz_class, 426
ppl_new_Double_Box_from_BD_Shape_-mpz_class_with_complexity, 430
ppl_new_Double_Box_from_C_Polyhedron, 427
ppl_new_Double_Box_from_C_Polyhedron_-with_complexity, 431
ppl_new_Double_Box_from_Congruence_-System, 433
ppl_new_Double_Box_from_Constraint_-System, 433
ppl_new_Double_Box_from_Double_Box, 428
ppl_new_Double_Box_from_Double_Box_-with_complexity, 432
ppl_new_Double_Box_from_Float_Box, 427
ppl_new_Double_Box_from_Float_Box_-with_complexity, 431
ppl_new_Double_Box_from_Generator_-System, 433
ppl_new_Double_Box_from_Grid, 427
ppl_new_Double_Box_from_Grid_with_-complexity, 431
ppl_new_Double_Box_from_Int16_Box, 425
ppl_new_Double_Box_from_Int16_Box_-with_complexity, 429
ppl_new_Double_Box_from_Int32_Box, 425
ppl_new_Double_Box_from_Int32_Box_-with_complexity, 429
ppl_new_Double_Box_from_Int64_Box, 425
ppl_new_Double_Box_from_Int64_Box_-with_complexity, 429
ppl_new_Double_Box_from_Int8_Box, 425
ppl_new_Double_Box_from_Int8_Box_-with_complexity, 428
ppl_new_Double_Box_from_Long_Double_-Box, 428
ppl_new_Double_Box_from_Long_Double_-Box_with_complexity, 432
ppl_new_Double_Box_from_NNC_-Polyhedron, 427
ppl_new_Double_Box_from_NNC_-Polyhedron_with_complexity, 431
ppl_new_Double_Box_from_Octagonal_-Shape_double, 428
ppl_new_Double_Box_from_Octagonal_-Shape_double_with_complexity, 432
ppl_new_Double_Box_from_Octagonal_-Shape_float, 428
ppl_new_Double_Box_from_Octagonal_-Shape_float_with_complexity, 432
ppl_new_Double_Box_from_Octagonal_-Shape_int16_t, 427

ppl_new_Double_Box_from_Octagonal_-
Shape_int16_t_with_complexity, 430
ppl_new_Double_Box_from_Octagonal_-
Shape_int32_t, 427
ppl_new_Double_Box_from_Octagonal_-
Shape_int32_t_with_complexity, 431
ppl_new_Double_Box_from_Octagonal_-
Shape_int64_t, 427
ppl_new_Double_Box_from_Octagonal_-
Shape_int64_t_with_complexity, 431
ppl_new_Double_Box_from_Octagonal_-
Shape_int8_t, 426
ppl_new_Double_Box_from_Octagonal_-
Shape_int8_t_with_complexity, 430
ppl_new_Double_Box_from_Octagonal_-
Shape_long_double, 428
ppl_new_Double_Box_from_Octagonal_-
Shape_long_double_with_complexity,
432
ppl_new_Double_Box_from_Octagonal_-
Shape_mpq_class, 427
ppl_new_Double_Box_from_Octagonal_-
Shape_mpq_class_with_complexity,
431
ppl_new_Double_Box_from_Octagonal_-
Shape_mpz_class, 427
ppl_new_Double_Box_from_Octagonal_-
Shape_mpz_class_with_complexity,
431
ppl_new_Double_Box_from_Rational_Box,
426
ppl_new_Double_Box_from_Rational_Box_-
with_complexity, 429
ppl_new_Double_Box_from_space_-
dimension, 425
ppl_new_Double_Box_from_Uint16_Box,
425
ppl_new_Double_Box_from_Uint16_Box_-
with_complexity, 429
ppl_new_Double_Box_from_Uint32_Box,
425
ppl_new_Double_Box_from_Uint32_Box_-
with_complexity, 429
ppl_new_Double_Box_from_Uint64_Box,
425
ppl_new_Double_Box_from_Uint64_Box_-
with_complexity, 429
ppl_new_Double_Box_from_Uint8_Box, 425
ppl_new_Double_Box_from_Uint8_Box_-
with_complexity, 429
ppl_new_Double_Box_from_Z_Box, 426
ppl_new_Double_Box_from_Z_Box_with_-
complexity, 429
ppl_new_Double_Box_recycle_Congruence_-
System, 441
ppl_new_Double_Box_recycle_Constraint_-
System, 441
ppl_new_Double_Box_recycle_Generator_-
System, 441
ppl_one_affine_ranking_function_MS_-
Double_Box, 442
ppl_one_affine_ranking_function_MS_-
Double_Box_2, 442
ppl_one_affine_ranking_function_PR_-
Double_Box, 442
ppl_one_affine_ranking_function_PR_-
Double_Box_2, 442
ppl_termination_test_MS_Double_Box, 441
ppl_termination_test_MS_Double_Box_2,
442
ppl_termination_test_PR_Double_Box, 442
ppl_termination_test_PR_Double_Box_2, 442
ppl_Double_Box_time_elapse_assign
ppl_Double_Box_tag, 437
ppl_Double_Box_topological_closure_assign
ppl_Double_Box_tag, 434
ppl_Double_Box_total_memory_in_bytes
ppl_Double_Box_tag, 440
ppl_Double_Box_unconstrain_space_dimension
ppl_Double_Box_tag, 438
ppl_Double_Box_unconstrain_space_dimensions
ppl_Double_Box_tag, 438
ppl_Double_Box_upper_bound_assign
ppl_Double_Box_tag, 437
ppl_Double_Box_upper_bound_assign_if_exact
ppl_Double_Box_tag, 437
ppl_Double_Box_widening_assign
ppl_Double_Box_tag, 440
ppl_Double_Box_widening_assign_with_tokens
ppl_Double_Box_tag, 440
ppl_Double_Box_wrap_assign
ppl_Double_Box_tag, 441
ppl_enum_Bounded_Integer_Type_Overflow
Datatypes, 58
ppl_enum_Bounded_Integer_Type_Representation
Datatypes, 58
ppl_enum_Bounded_Integer_Type_Width
Datatypes, 58
ppl_enum_Constraint_Type
Datatypes, 57
ppl_enum_error_code
Error, 29
ppl_enum_Generator_Type
Datatypes, 57
ppl_enum_Grid_Generator_Type
Datatypes, 57
ppl_finalize
Init, 26

ppl_Float_Box_add_congruence
ppl_Float_Box_tag, 460
ppl_Float_Box_add_congruences
ppl_Float_Box_tag, 461
ppl_Float_Box_add_constraint
ppl_Float_Box_tag, 460
ppl_Float_Box_add_constraints
ppl_Float_Box_tag, 460
ppl_Float_Box_add_recycled_congruences
ppl_Float_Box_tag, 466
ppl_Float_Box_add_recycled_constraints
ppl_Float_Box_tag, 466
ppl_Float_Box_add_space_dimensions_and_-
embed
ppl_Float_Box_tag, 463
ppl_Float_Box_add_space_dimensions_and_-
project
ppl_Float_Box_tag, 463
ppl_Float_Box_affine_dimension
ppl_Float_Box_tag, 457
ppl_Float_Box_affine_image
ppl_Float_Box_tag, 462
ppl_Float_Box_affine_preimage
ppl_Float_Box_tag, 462
ppl_Float_Box_ascii_dump
ppl_Float_Box_tag, 468
ppl_Float_Box_ascii_load
ppl_Float_Box_tag, 468
ppl_Float_Box_bounded_affine_image
ppl_Float_Box_tag, 462
ppl_Float_Box_bounded_affine_preimage
ppl_Float_Box_tag, 463
ppl_Float_Box_bounds_from_above
ppl_Float_Box_tag, 459
ppl_Float_Box_bounds_from_below
ppl_Float_Box_tag, 459
ppl_Float_Box_CC76_widening_assign
ppl_Float_Box_tag, 465
ppl_Float_Box_CC76_widening_assign_with_-
tokens
ppl_Float_Box_tag, 464
ppl_Float_Box_concatenate_assign
ppl_Float_Box_tag, 461
ppl_Float_Box_constrains
ppl_Float_Box_tag, 462
ppl_Float_Box_contains_Float_Box
ppl_Float_Box_tag, 460
ppl_Float_Box_contains_integer_point
ppl_Float_Box_tag, 459
ppl_Float_Box_difference_assign
ppl_Float_Box_tag, 461
ppl_Float_Box_drop_some_non_integer_points
ppl_Float_Box_tag, 464
ppl_Float_Box_drop_some_non_integer_points_2
ppl_Float_Box_tag, 464
ppl_Float_Box_equals_Float_Box
ppl_Float_Box_tag, 460
ppl_Float_Box_expand_space_dimension
ppl_Float_Box_tag, 464
ppl_Float_Box_external_memory_in_bytes
ppl_Float_Box_tag, 464
ppl_Float_Box_fold_space_dimensions
ppl_Float_Box_tag, 464
ppl_Float_Box_frequency
ppl_Float_Box_tag, 460
ppl_Float_Box_generalized_affine_image
ppl_Float_Box_tag, 463
ppl_Float_Box_generalized_affine_image_lhs_rhs
ppl_Float_Box_tag, 463
ppl_Float_Box_generalized_affine_preimage
ppl_Float_Box_tag, 463
ppl_Float_Box_generalized_affine_preimage_lhs_-
rhs
ppl_Float_Box_tag, 463
ppl_Float_Box_get_congruences
ppl_Float_Box_tag, 458
ppl_Float_Box_get_constraints
ppl_Float_Box_tag, 458
ppl_Float_Box_get_minimized_congruences
ppl_Float_Box_tag, 458
ppl_Float_Box_get_minimized_constraints
ppl_Float_Box_tag, 458
ppl_Float_Box_intersection_assign
ppl_Float_Box_tag, 461
ppl_Float_Box_is_bounded
ppl_Float_Box_tag, 458
ppl_Float_Box_is_discrete
ppl_Float_Box_tag, 459
ppl_Float_Box_is_disjoint_from_Float_Box
ppl_Float_Box_tag, 460
ppl_Float_Box_is_empty
ppl_Float_Box_tag, 458
ppl_Float_Box_is_topologically_closed
ppl_Float_Box_tag, 459
ppl_Float_Box_is_universe
ppl_Float_Box_tag, 458
ppl_Float_Box_limited_CC76_extrapolation_-
assign
ppl_Float_Box_tag, 465
ppl_Float_Box_limited_CC76_extrapolation_-
assign_with_tokens
ppl_Float_Box_tag, 465
ppl_Float_Box_linear_partition
ppl_Float_Box_tag, 465
ppl_Float_Box_map_space_dimensions
ppl_Float_Box_tag, 464
ppl_Float_Box_maximize
ppl_Float_Box_tag, 459

ppl_Float_Box_maximize_with_point
ppl_Float_Box_tag, 459
ppl_Float_Box_minimize
ppl_Float_Box_tag, 459
ppl_Float_Box_minimize_with_point
ppl_Float_Box_tag, 459
ppl_Float_Box_OK
ppl_Float_Box_tag, 460
ppl_Float_Box_refine_with_congruence
ppl_Float_Box_tag, 461
ppl_Float_Box_refine_with_congruences
ppl_Float_Box_tag, 461
ppl_Float_Box_refine_with_constraint
ppl_Float_Box_tag, 461
ppl_Float_Box_refine_with_constraints
ppl_Float_Box_tag, 461
ppl_Float_Box_relation_with_Congruence
ppl_Float_Box_tag, 458
ppl_Float_Box_relation_with_Constraint
ppl_Float_Box_tag, 458
ppl_Float_Box_relation_with_Generator
ppl_Float_Box_tag, 458
ppl_Float_Box_remove_higher_space_dimensions
ppl_Float_Box_tag, 464
ppl_Float_Box_remove_space_dimensions
ppl_Float_Box_tag, 463
ppl_Float_Box_simplify_using_context_assign
ppl_Float_Box_tag, 462
ppl_Float_Box_space_dimension
ppl_Float_Box_tag, 457
ppl_Float_Box_strictly_contains_Float_Box
ppl_Float_Box_tag, 460
ppl_Float_Box_tag, 443
ppl_all_affine_ranking_functions_MS_Float_-
Box, 466
ppl_all_affine_ranking_functions_MS_Float_-
Box_2, 467
ppl_all_affine_ranking_functions_PR_Float_-
Box, 467
ppl_all_affine_ranking_functions_PR_Float_-
Box_2, 467
ppl_assign_Float_Box_from_Float_Box, 466
ppl_delete_Float_Box, 449
ppl_Float_Box_add_congruence, 460
ppl_Float_Box_add_congruences, 461
ppl_Float_Box_add_constraint, 460
ppl_Float_Box_add_constraints, 460
ppl_Float_Box_add_recycled_congruences,
466
ppl_Float_Box_add_recycled_constraints, 466
ppl_Float_Box_add_space_dimensions_and_-
embed, 463
ppl_Float_Box_add_space_dimensions_and_-
project, 463
ppl_Float_Box_affine_dimension, 457
ppl_Float_Box_affine_image, 462
ppl_Float_Box_affine_preimage, 462
ppl_Float_Box_ascii_dump, 468
ppl_Float_Box_ascii_load, 468
ppl_Float_Box_bounded_affine_image, 462
ppl_Float_Box_bounded_affine_preimage,
463
ppl_Float_Box_bounds_from_above, 459
ppl_Float_Box_bounds_from_below, 459
ppl_Float_Box_CC76_widening_assign, 465
ppl_Float_Box_CC76_widening_assign_-
with_tokens, 464
ppl_Float_Box_concatenate_assign, 461
ppl_Float_Box_constrains, 462
ppl_Float_Box_contains_Float_Box, 460
ppl_Float_Box_contains_integer_point, 459
ppl_Float_Box_difference_assign, 461
ppl_Float_Box_drop_some_non_integer_-
points, 464
ppl_Float_Box_drop_some_non_integer_-
points_2, 464
ppl_Float_Box_equals_Float_Box, 460
ppl_Float_Box_expand_space_dimension, 464
ppl_Float_Box_external_memory_in_bytes,
464
ppl_Float_Box_fold_space_dimensions, 464
ppl_Float_Box_frequency, 460
ppl_Float_Box_generalized_affine_image,
463
ppl_Float_Box_generalized_affine_image_-
lhs_rhs, 463
ppl_Float_Box_generalized_affine_preimage,
463
ppl_Float_Box_generalized_affine_-
preimage_lhs_rhs, 463
ppl_Float_Box_get_congruences, 458
ppl_Float_Box_get_constraints, 458
ppl_Float_Box_get_minimized_congruences,
458
ppl_Float_Box_get_minimized_constraints,
458
ppl_Float_Box_intersection_assign, 461
ppl_Float_Box_is_bounded, 458
ppl_Float_Box_is_discrete, 459
ppl_Float_Box_is_disjoint_from_Float_Box,
460
ppl_Float_Box_is_empty, 458
ppl_Float_Box_is_topologically_closed, 459
ppl_Float_Box_is_universe, 458
ppl_Float_Box_limited_CC76_-
extrapolation_assign, 465
ppl_Float_Box_limited_CC76_-
extrapolation_assign_with_tokens,

465
ppl_Float_Box_linear_partition, 465
ppl_Float_Box_map_space_dimensions, 464
ppl_Float_Box_maximize, 459
ppl_Float_Box_maximize_with_point, 459
ppl_Float_Box_minimize, 459
ppl_Float_Box_minimize_with_point, 459
ppl_Float_Box_OK, 460
ppl_Float_Box_refine_with_congruence, 461
ppl_Float_Box_refine_with_congruences, 461
ppl_Float_Box_refine_with_constraint, 461
ppl_Float_Box_refine_with_constraints, 461
ppl_Float_Box_relation_with_Congruence, 458
ppl_Float_Box_relation_with_Constraint, 458
ppl_Float_Box_relation_with_Generator, 458
ppl_Float_Box_remove_higher_space_dimensions, 464
ppl_Float_Box_remove_space_dimensions, 463
ppl_Float_Box_simplify_using_context_assign, 462
ppl_Float_Box_space_dimension, 457
ppl_Float_Box_strictly_contains_Float_Box, 460
ppl_Float_Box_time_elapse_assign, 462
ppl_Float_Box_topological_closure_assign, 459
ppl_Float_Box_total_memory_in_bytes, 464
ppl_Float_Box_unconstrain_space_dimension, 462
ppl_Float_Box_unconstrain_space_dimensions, 462
ppl_Float_Box_upper_bound_assign, 461
ppl_Float_Box_upper_bound_assign_if_exact, 462
ppl_Float_Box_widening_assign, 465
ppl_Float_Box_widening_assign_with_tokens, 465
ppl_Float_Box_wrap_assign, 465
ppl_io_asprint_Float_Box, 467
ppl_io_fprint_Float_Box, 467
ppl_io_print_Float_Box, 467
ppl_new_Float_Box_from_BD_Shape_double, 453
ppl_new_Float_Box_from_BD_Shape_double_with_complexity, 456
ppl_new_Float_Box_from_BD_Shape_float, 452
ppl_new_Float_Box_from_BD_Shape_float_with_complexity, 456
ppl_new_Float_Box_from_BD_Shape_int16_t, 451
ppl_new_Float_Box_from_BD_Shape_int16_t_with_complexity, 454
ppl_new_Float_Box_from_BD_Shape_int32_t, 451
ppl_new_Float_Box_from_BD_Shape_int32_t_with_complexity, 455
ppl_new_Float_Box_from_BD_Shape_int64_t, 451
ppl_new_Float_Box_from_BD_Shape_int64_t_with_complexity, 455
ppl_new_Float_Box_from_BD_Shape_int8_t, 451
ppl_new_Float_Box_from_BD_Shape_int8_t_with_complexity, 454
ppl_new_Float_Box_from_BD_Shape_long_double, 453
ppl_new_Float_Box_from_BD_Shape_long_double_with_complexity, 457
ppl_new_Float_Box_from_BD_Shape_mpq_class, 451
ppl_new_Float_Box_from_BD_Shape_mpq_class_with_complexity, 455
ppl_new_Float_Box_from_BD_Shape_mpz_class, 451
ppl_new_Float_Box_from_BD_Shape_mpz_class_with_complexity, 455
ppl_new_Float_Box_from_C_Polyhedron, 452
ppl_new_Float_Box_from_C_Polyhedron_with_complexity, 456
ppl_new_Float_Box_from_Congruence_System, 457
ppl_new_Float_Box_from_Constraint_System, 457
ppl_new_Float_Box_from_Double_Box, 453
ppl_new_Float_Box_from_Double_Box_with_complexity, 456
ppl_new_Float_Box_from_Float_Box, 452
ppl_new_Float_Box_from_Float_Box_with_complexity, 456
ppl_new_Float_Box_from_Generator_System, 457
ppl_new_Float_Box_from_Grid, 452
ppl_new_Float_Box_from_Grid_with_complexity, 456
ppl_new_Float_Box_from_Int16_Box, 450
ppl_new_Float_Box_from_Int16_Box_with_complexity, 453
ppl_new_Float_Box_from_Int32_Box, 450
ppl_new_Float_Box_from_Int32_Box_with_complexity, 453
ppl_new_Float_Box_from_Int64_Box, 450
ppl_new_Float_Box_from_Int64_Box_with_complexity, 454

ppl_new_Float_Box_from_Int8_Box, 449
ppl_new_Float_Box_from_Int8_Box_with_-complexity, 453
ppl_new_Float_Box_from_Long_Double_-Box, 453
ppl_new_Float_Box_from_Long_Double_-Box_with_complexity, 457
ppl_new_Float_Box_from_NNC_Polyhedron, 452
ppl_new_Float_Box_from_NNC_-Polyhedron_with_complexity, 456
ppl_new_Float_Box_from_Octagonal_-Shape_double, 453
ppl_new_Float_Box_from_Octagonal_-Shape_double_with_complexity, 457
ppl_new_Float_Box_from_Octagonal_-Shape_float, 452
ppl_new_Float_Box_from_Octagonal_-Shape_float_with_complexity, 456
ppl_new_Float_Box_from_Octagonal_-Shape_int16_t, 451
ppl_new_Float_Box_from_Octagonal_-Shape_int16_t_with_complexity, 455
ppl_new_Float_Box_from_Octagonal_-Shape_int32_t, 451
ppl_new_Float_Box_from_Octagonal_-Shape_int32_t_with_complexity, 455
ppl_new_Float_Box_from_Octagonal_-Shape_int64_t, 452
ppl_new_Float_Box_from_Octagonal_-Shape_int64_t_with_complexity, 455
ppl_new_Float_Box_from_Octagonal_-Shape_int8_t, 451
ppl_new_Float_Box_from_Octagonal_-Shape_int8_t_with_complexity, 455
ppl_new_Float_Box_from_Octagonal_-Shape_long_double, 453
ppl_new_Float_Box_from_Octagonal_-Shape_long_double_with_complexity, 457
ppl_new_Float_Box_from_Octagonal_-Shape_mpq_class, 452
ppl_new_Float_Box_from_Octagonal_-Shape_mpq_class_with_complexity, 456
ppl_new_Float_Box_from_Octagonal_-Shape_mpz_class, 452
ppl_new_Float_Box_from_Octagonal_-Shape_mpz_class_with_complexity, 455
ppl_new_Float_Box_from_Rational_Box, 450
ppl_new_Float_Box_from_Rational_Box_-with_complexity, 454
ppl_new_Float_Box_from_space_dimension, 449
ppl_new_Float_Box_from_Uint16_Box, 450
ppl_new_Float_Box_from_Uint16_Box_-with_complexity, 454
ppl_new_Float_Box_from_Uint32_Box, 450
ppl_new_Float_Box_from_Uint32_Box_-with_complexity, 454
ppl_new_Float_Box_from_Uint64_Box, 450
ppl_new_Float_Box_from_Uint64_Box_-with_complexity, 454
ppl_new_Float_Box_from_Uint8_Box, 450
ppl_new_Float_Box_from_Uint8_Box_with_-complexity, 454
ppl_new_Float_Box_from_Z_Box, 450
ppl_new_Float_Box_from_Z_Box_with_-complexity, 454
ppl_new_Float_Box_recycle_Congruence_-System, 466
ppl_new_Float_Box_recycle_Constraint_-System, 465
ppl_new_Float_Box_recycle_Generator_-System, 466
ppl_one_affine_ranking_function_MS_Float_-Box, 466
ppl_one_affine_ranking_function_MS_Float_-Box_2, 467
ppl_one_affine_ranking_function_PR_Float_-Box, 466
ppl_one_affine_ranking_function_PR_Float_-Box_2, 467
ppl_termination_test_MS_Float_Box, 466
ppl_termination_test_MS_Float_Box_2, 467
ppl_termination_test_PR_Float_Box, 466
ppl_termination_test_PR_Float_Box_2, 467
ppl_Float_Box_time_elapse_assign ppl_Float_Box_tag, 462
ppl_Float_Box_topological_closure_assign ppl_Float_Box_tag, 459
ppl_Float_Box_total_memory_in_bytes ppl_Float_Box_tag, 464
ppl_Float_Box_unconstrain_space_dimension ppl_Float_Box_tag, 462
ppl_Float_Box_unconstrain_space_dimensions ppl_Float_Box_tag, 462
ppl_Float_Box_upper_bound_assign ppl_Float_Box_tag, 461
ppl_Float_Box_upper_bound_assign_if_exact ppl_Float_Box_tag, 462
ppl_Float_Box_widening_assign ppl_Float_Box_tag, 465
ppl_Float_Box_widening_assign_with_tokens ppl_Float_Box_tag, 465
ppl_Float_Box_wrap_assign ppl_Float_Box_tag, 465

ppl_Generator_System_const_iterator_tag, 468
ppl_Generator_System_tag, 469
ppl_Generator_tag, 471
ppl_Grid_add_congruence
ppl_Grid_tag, 493
ppl_Grid_add_congruences
ppl_Grid_tag, 494
ppl_Grid_add_constraint
ppl_Grid_tag, 493
ppl_Grid_add_constraints
ppl_Grid_tag, 494
ppl_Grid_add_grid_generator
ppl_Grid_tag, 493
ppl_Grid_add_grid_generators
ppl_Grid_tag, 494
ppl_Grid_add_recycled_congruences
ppl_Grid_tag, 500
ppl_Grid_add_recycled_constraints
ppl_Grid_tag, 500
ppl_Grid_add_recycled_grid_generators
ppl_Grid_tag, 500
ppl_Grid_add_space_dimensions_and_embed
ppl_Grid_tag, 497
ppl_Grid_add_space_dimensions_and_project
ppl_Grid_tag, 497
ppl_Grid_affine_dimension
ppl_Grid_tag, 490
ppl_Grid_affine_image
ppl_Grid_tag, 495
ppl_Grid_affine_preimage
ppl_Grid_tag, 495
ppl_Grid_approximate_partition
ppl_Grid_tag, 499
ppl_Grid_ascii_dump
ppl_Grid_tag, 501
ppl_Grid_ascii_load
ppl_Grid_tag, 501
ppl_Grid_bounded_affine_image
ppl_Grid_tag, 495
ppl_Grid_bounded_affine_preimage
ppl_Grid_tag, 496
ppl_Grid_bounds_from_above
ppl_Grid_tag, 492
ppl_Grid_bounds_from_below
ppl_Grid_tag, 492
ppl_Grid_concatenate_assign
ppl_Grid_tag, 495
ppl_Grid_congruence_widening_assign
ppl_Grid_tag, 498
ppl_Grid_congruence_widening_assign_with_-
tokens
ppl_Grid_tag, 498
ppl_Grid_constrains
ppl_Grid_tag, 495
ppl_Grid_contains_Grid
ppl_Grid_tag, 493
ppl_Grid_contains_integer_point
ppl_Grid_tag, 492
ppl_Grid_difference_assign
ppl_Grid_tag, 494
ppl_Grid_drop_some_non_integer_points
ppl_Grid_tag, 497
ppl_Grid_drop_some_non_integer_points_2
ppl_Grid_tag, 498
ppl_Grid_equals_Grid
ppl_Grid_tag, 493
ppl_Grid_expand_space_dimension
ppl_Grid_tag, 497
ppl_Grid_external_memory_in_bytes
ppl_Grid_tag, 498
ppl_Grid_fold_space_dimensions
ppl_Grid_tag, 497
ppl_Grid_frequency
ppl_Grid_tag, 493
ppl_Grid_generalized_affine_image
ppl_Grid_tag, 496
ppl_Grid_generalized_affine_image_lhs_rhs
ppl_Grid_tag, 496
ppl_Grid_generalized_affine_image_lhs_rhs_-
with_congruence
ppl_Grid_tag, 496
ppl_Grid_generalized_affine_image_with_-
congruence
ppl_Grid_tag, 496
ppl_Grid_generalized_affine_preimage
ppl_Grid_tag, 496
ppl_Grid_generalized_affine_preimage_lhs_rhs
ppl_Grid_tag, 496
ppl_Grid_generalized_affine_preimage_lhs_rhs_-
with_congruence
ppl_Grid_tag, 497
ppl_Grid_generalized_affine_preimage_with_-
congruence
ppl_Grid_tag, 496
ppl_Grid_Generator_System_const_iterator_tag,
472
ppl_Grid_Generator_System_tag, 473
ppl_Grid_Generator_tag, 475
ppl_Grid_generator_widening_assign
ppl_Grid_tag, 498
ppl_Grid_generator_widening_assign_with_tokens
ppl_Grid_tag, 498
ppl_Grid_get_congruences
ppl_Grid_tag, 491
ppl_Grid_get_constraints
ppl_Grid_tag, 491
ppl_Grid_get_grid_generators
ppl_Grid_tag, 491

ppl_Grid_get_minimized_congruences
ppl_Grid_tag, 491
ppl_Grid_get_minimized_constraints
ppl_Grid_tag, 491
ppl_Grid_get_minimized_grid_generators
ppl_Grid_tag, 491
ppl_Grid_intersection_assign
ppl_Grid_tag, 494
ppl_Grid_is_bounded
ppl_Grid_tag, 492
ppl_Grid_is_discrete
ppl_Grid_tag, 492
ppl_Grid_is_disjoint_from_Grid
ppl_Grid_tag, 493
ppl_Grid_is_empty
ppl_Grid_tag, 491
ppl_Grid_is_topologically_closed
ppl_Grid_tag, 492
ppl_Grid_is_universe
ppl_Grid_tag, 491
ppl_Grid_limited_congruence_extrapolation_-
assign
ppl_Grid_tag, 499
ppl_Grid_limited_congruence_extrapolation_-
assign_with_tokens
ppl_Grid_tag, 498
ppl_Grid_limited_generator_extrapolation_assign
ppl_Grid_tag, 499
ppl_Grid_limited_generator_extrapolation_-
assign_with_tokens
ppl_Grid_tag, 499
ppl_Grid_map_space_dimensions
ppl_Grid_tag, 497
ppl_Grid_maximize
ppl_Grid_tag, 492
ppl_Grid_maximize_with_point
ppl_Grid_tag, 492
ppl_Grid_minimize
ppl_Grid_tag, 492
ppl_Grid_minimize_with_point
ppl_Grid_tag, 493
ppl_Grid_OK
ppl_Grid_tag, 493
ppl_Grid_refine_with_congruence
ppl_Grid_tag, 494
ppl_Grid_refine_with_congruences
ppl_Grid_tag, 494
ppl_Grid_refine_with_constraint
ppl_Grid_tag, 494
ppl_Grid_refine_with_constraints
ppl_Grid_tag, 494
ppl_Grid_relation_with_Congruence
ppl_Grid_tag, 491
ppl_Grid_relation_with_Constraint
ppl_Grid_tag, 490
ppl_Grid_relation_with_Generator
ppl_Grid_tag, 490
ppl_Grid_relation_with_Grid_Generator
ppl_Grid_tag, 491
ppl_Grid_remove_higher_space_dimensions
ppl_Grid_tag, 497
ppl_Grid_remove_space_dimensions
ppl_Grid_tag, 497
ppl_Grid_simplify_using_context_assign
ppl_Grid_tag, 495
ppl_Grid_space_dimension
ppl_Grid_tag, 490
ppl_Grid_strictly_contains_Grid
ppl_Grid_tag, 493
ppl_Grid_tag, 477
ppl_all_affine_ranking_functions_MS_Grid,
500
ppl_all_affine_ranking_functions_MS_Grid_-
2, 501
ppl_all_affine_ranking_functions_PR_Grid,
500
ppl_all_affine_ranking_functions_PR_Grid_2,
501
ppl_assign_Grid_from_Grid, 499
ppl_delete_Grid, 482
ppl_Grid_add_congruence, 493
ppl_Grid_add_congruences, 494
ppl_Grid_add_constraint, 493
ppl_Grid_add_constraints, 494
ppl_Grid_add_grid_generator, 493
ppl_Grid_add_grid_generators, 494
ppl_Grid_add_recycled_congruences, 500
ppl_Grid_add_recycled_constraints, 500
ppl_Grid_add_recycled_grid_generators, 500
ppl_Grid_add_space_dimensions_and_embed,
497
ppl_Grid_add_space_dimensions_and_-
project, 497
ppl_Grid_affine_dimension, 490
ppl_Grid_affine_image, 495
ppl_Grid_affine_preimage, 495
ppl_Grid_approximate_partition, 499
ppl_Grid_ascii_dump, 501
ppl_Grid_ascii_load, 501
ppl_Grid_bounded_affine_image, 495
ppl_Grid_bounded_affine_preimage, 496
ppl_Grid_bounds_from_above, 492
ppl_Grid_bounds_from_below, 492
ppl_Grid_concatenate_assign, 495
ppl_Grid_congruence_widening_assign, 498
ppl_Grid_congruence_widening_assign_-
with_tokens, 498
ppl_Grid_constrains, 495

ppl_Grid_contains_Grid, 493
ppl_Grid_contains_integer_point, 492
ppl_Grid_difference_assign, 494
ppl_Grid_drop_some_non_integer_points, 497
ppl_Grid_drop_some_non_integer_points_2, 498
ppl_Grid_equals_Grid, 493
ppl_Grid_expand_space_dimension, 497
ppl_Grid_external_memory_in_bytes, 498
ppl_Grid_fold_space_dimensions, 497
ppl_Grid_frequency, 493
ppl_Grid_generalized_affine_image, 496
ppl_Grid_generalized_affine_image_lhs_rhs, 496
ppl_Grid_generalized_affine_image_lhs_rhs_-with_congruence, 496
ppl_Grid_generalized_affine_image_with_-congruence, 496
ppl_Grid_generalized_affine_preimage, 496
ppl_Grid_generalized_affine_preimage_lhs_-rhs, 496
ppl_Grid_generalized_affine_preimage_lhs_-rhs_with_congruence, 497
ppl_Grid_generalized_affine_preimage_-with_congruence, 496
ppl_Grid_generator_widening_assign, 498
ppl_Grid_generator_widening_assign_with_-tokens, 498
ppl_Grid_get_congruences, 491
ppl_Grid_get_constraints, 491
ppl_Grid_get_grid_generators, 491
ppl_Grid_get_minimized_congruences, 491
ppl_Grid_get_minimized_constraints, 491
ppl_Grid_get_minimized_grid_generators, 491
ppl_Grid_intersection_assign, 494
ppl_Grid_is_bounded, 492
ppl_Grid_is_discrete, 492
ppl_Grid_is_disjoint_from_Grid, 493
ppl_Grid_is_empty, 491
ppl_Grid_is_topologically_closed, 492
ppl_Grid_is_universe, 491
ppl_Grid_limited_congruence_extrapolation_-assign, 499
ppl_Grid_limited_congruence_extrapolation_-assign_with_tokens, 498
ppl_Grid_limited_generator_extrapolation_-assign, 499
ppl_Grid_limited_generator_extrapolation_-assign_with_tokens, 499
ppl_Grid_map_space_dimensions, 497
ppl_Grid_maximize, 492
ppl_Grid_maximize_with_point, 492
ppl_Grid_minimize, 492
ppl_Grid_minimize_with_point, 493
ppl_Grid_OK, 493
ppl_Grid_refine_with_congruence, 494
ppl_Grid_refine_with_congruences, 494
ppl_Grid_refine_with_constraint, 494
ppl_Grid_refine_with_constraints, 494
ppl_Grid_relation_with_Congruence, 491
ppl_Grid_relation_with_Constraint, 490
ppl_Grid_relation_with_Generator, 490
ppl_Grid_relation_with_Grid_Generator, 491
ppl_Grid_remove_higher_space_dimensions, 497
ppl_Grid_remove_space_dimensions, 497
ppl_Grid_simplify_using_context_assign, 495
ppl_Grid_space_dimension, 490
ppl_Grid_strictly_contains_Grid, 493
ppl_Grid_time_elapse_assign, 495
ppl_Grid_topological_closure_assign, 492
ppl_Grid_total_memory_in_bytes, 498
ppl_Grid_unconstrain_space_dimension, 495
ppl_Grid_unconstrain_space_dimensions, 495
ppl_Grid_upper_bound_assign, 494
ppl_Grid_upper_bound_assign_if_exact, 495
ppl_Grid_widening_assign, 498
ppl_Grid_widening_assign_with_tokens, 498
ppl_Grid_wrap_assign, 499
ppl_io_asprint_Grid, 501
ppl_io_fprint_Grid, 501
ppl_io_print_Grid, 501
ppl_new_Grid_from_BD_Shape_double, 485
ppl_new_Grid_from_BD_Shape_double_-with_complexity, 489
ppl_new_Grid_from_BD_Shape_float, 485
ppl_new_Grid_from_BD_Shape_float_with_-complexity, 489
ppl_new_Grid_from_BD_Shape_int16_t, 484
ppl_new_Grid_from_BD_Shape_int16_t_-with_complexity, 487
ppl_new_Grid_from_BD_Shape_int32_t, 484
ppl_new_Grid_from_BD_Shape_int32_t_-with_complexity, 487
ppl_new_Grid_from_BD_Shape_int64_t, 484
ppl_new_Grid_from_BD_Shape_int64_t_-with_complexity, 487
ppl_new_Grid_from_BD_Shape_int8_t, 483
ppl_new_Grid_from_BD_Shape_int8_t_-with_complexity, 487
ppl_new_Grid_from_BD_Shape_long_-double, 486
ppl_new_Grid_from_BD_Shape_long_-double_with_complexity, 490
ppl_new_Grid_from_BD_Shape_mpq_class, 484

ppl_new_Grid_from_BD_Shape_mpq_class_-
with_complexity, 488
ppl_new_Grid_from_BD_Shape_mpz_class,
484
ppl_new_Grid_from_BD_Shape_mpz_class_-
with_complexity, 488
ppl_new_Grid_from_C_Polyhedron, 485
ppl_new_Grid_from_C_Polyhedron_with_-
complexity, 488
ppl_new_Grid_from_Congruence_System,
490
ppl_new_Grid_from_Constraint_System, 490
ppl_new_Grid_from_Double_Box, 485
ppl_new_Grid_from_Double_Box_with_-
complexity, 489
ppl_new_Grid_from_Float_Box, 485
ppl_new_Grid_from_Float_Box_with_-
complexity, 489
ppl_new_Grid_from_Grid, 485
ppl_new_Grid_from_Grid_Generator_System,
490
ppl_new_Grid_from_Grid_with_complexity,
489
ppl_new_Grid_from_Int16_Box, 482
ppl_new_Grid_from_Int16_Box_with_-
complexity, 486
ppl_new_Grid_from_Int32_Box, 483
ppl_new_Grid_from_Int32_Box_with_-
complexity, 486
ppl_new_Grid_from_Int64_Box, 483
ppl_new_Grid_from_Int64_Box_with_-
complexity, 486
ppl_new_Grid_from_Int8_Box, 482
ppl_new_Grid_from_Int8_Box_with_-
complexity, 486
ppl_new_Grid_from_Long_Double_Box, 486
ppl_new_Grid_from_Long_Double_Box_-
with_complexity, 489
ppl_new_Grid_from_NNC_Polyhedron, 485
ppl_new_Grid_from_NNC_Polyhedron_-
with_complexity, 489
ppl_new_Grid_from_Octagonal_Shape_-
double, 486
ppl_new_Grid_from_Octagonal_Shape_-
double_with_complexity, 489
ppl_new_Grid_from_Octagonal_Shape_float,
485
ppl_new_Grid_from_Octagonal_Shape_-
float_with_complexity, 489
ppl_new_Grid_from_Octagonal_Shape_-
int16_t, 484
ppl_new_Grid_from_Octagonal_Shape_-
int16_t_with_complexity, 488
ppl_new_Grid_from_Octagonal_Shape_-
int32_t, 484
ppl_new_Grid_from_Octagonal_Shape_-
int32_t_with_complexity, 488
ppl_new_Grid_from_Octagonal_Shape_-
int64_t, 484
ppl_new_Grid_from_Octagonal_Shape_-
int64_t_with_complexity, 488
ppl_new_Grid_from_Octagonal_Shape_int8_-
t, 484
ppl_new_Grid_from_Octagonal_Shape_int8_-
t_with_complexity, 488
ppl_new_Grid_from_Octagonal_Shape_-
long_double, 486
ppl_new_Grid_from_Octagonal_Shape_-
long_double_with_complexity, 490
ppl_new_Grid_from_Octagonal_Shape_-
mpq_class, 485
ppl_new_Grid_from_Octagonal_Shape_-
mpq_class_with_complexity, 488
ppl_new_Grid_from_Octagonal_Shape_-
mpz_class, 485
ppl_new_Grid_from_Octagonal_Shape_-
mpz_class_with_complexity, 488
ppl_new_Grid_from_Rational_Box, 483
ppl_new_Grid_from_Rational_Box_with_-
complexity, 487
ppl_new_Grid_from_space_dimension, 482
ppl_new_Grid_from_Uint16_Box, 483
ppl_new_Grid_from_Uint16_Box_with_-
complexity, 487
ppl_new_Grid_from_Uint32_Box, 483
ppl_new_Grid_from_Uint32_Box_with_-
complexity, 487
ppl_new_Grid_from_Uint64_Box, 483
ppl_new_Grid_from_Uint64_Box_with_-
complexity, 487
ppl_new_Grid_from_Uint8_Box, 483
ppl_new_Grid_from_Uint8_Box_with_-
complexity, 486
ppl_new_Grid_from_Z_Box, 483
ppl_new_Grid_from_Z_Box_with_-
complexity, 487
ppl_new_Grid_recycle_Congruence_System,
499
ppl_new_Grid_recycle_Constraint_System,
499
ppl_new_Grid_recycle_Grid_Generator_-
System, 499
ppl_one_affine_ranking_function_MS_Grid,
500
ppl_one_affine_ranking_function_MS_Grid_-
2, 501

ppl_one_affine_ranking_function_PR_Grid, 500
ppl_one_affine_ranking_function_PR_Grid_2, 501
ppl_termination_test_MS_Grid, 500
ppl_termination_test_MS_Grid_2, 500
ppl_termination_test_PR_Grid, 500
ppl_termination_test_PR_Grid_2, 501
ppl_Grid_time_elapse_assign
ppl_Grid_tag, 495
ppl_Grid_topological_closure_assign
ppl_Grid_tag, 492
ppl_Grid_total_memory_in_bytes
ppl_Grid_tag, 498
ppl_Grid_unconstrain_space_dimension
ppl_Grid_tag, 495
ppl_Grid_unconstrain_space_dimensions
ppl_Grid_tag, 495
ppl_Grid_upper_bound_assign
ppl_Grid_tag, 494
ppl_Grid_upper_bound_assign_if_exact
ppl_Grid_tag, 495
ppl_Grid_widening_assign
ppl_Grid_tag, 498
ppl_Grid_widening_assign_with_tokens
ppl_Grid_tag, 498
ppl_Grid_wrap_assign
ppl_Grid_tag, 499
ppl_initialize
Init, 26
ppl_Int16_Box_add_congruence
ppl_Int16_Box_tag, 519
ppl_Int16_Box_add_congruences
ppl_Int16_Box_tag, 519
ppl_Int16_Box_add_constraint
ppl_Int16_Box_tag, 519
ppl_Int16_Box_add_constraints
ppl_Int16_Box_tag, 519
ppl_Int16_Box_add_recycled_congruences
ppl_Int16_Box_tag, 524
ppl_Int16_Box_add_recycled_constraints
ppl_Int16_Box_tag, 524
ppl_Int16_Box_add_space_dimensions_and_embed
ppl_Int16_Box_tag, 522
ppl_Int16_Box_add_space_dimensions_and_project
ppl_Int16_Box_tag, 522
ppl_Int16_Box_affine_dimension
ppl_Int16_Box_tag, 516
ppl_Int16_Box_affine_image
ppl_Int16_Box_tag, 521
ppl_Int16_Box_affine_preimage
ppl_Int16_Box_tag, 521
ppl_Int16_Box_ascii_dump
ppl_Int16_Box_tag, 526
ppl_Int16_Box_ascii_load
ppl_Int16_Box_tag, 526
ppl_Int16_Box_bounded_affine_image
ppl_Int16_Box_tag, 521
ppl_Int16_Box_bounded_affine_preimage
ppl_Int16_Box_tag, 521
ppl_Int16_Box_bounds_from_above
ppl_Int16_Box_tag, 517
ppl_Int16_Box_bounds_from_below
ppl_Int16_Box_tag, 517
ppl_Int16_Box_CC76_widening_assign
ppl_Int16_Box_tag, 523
ppl_Int16_Box_CC76_widening_assign_with_tokens
ppl_Int16_Box_tag, 523
ppl_Int16_Box_concatenate_assign
ppl_Int16_Box_tag, 520
ppl_Int16_Box_constrains
ppl_Int16_Box_tag, 520
ppl_Int16_Box_contains_Int16_Box
ppl_Int16_Box_tag, 518
ppl_Int16_Box_contains_integer_point
ppl_Int16_Box_tag, 517
ppl_Int16_Box_difference_assign
ppl_Int16_Box_tag, 520
ppl_Int16_Box_drop_some_non_integer_points
ppl_Int16_Box_tag, 522
ppl_Int16_Box_drop_some_non_integer_points_2
ppl_Int16_Box_tag, 522
ppl_Int16_Box_equals_Int16_Box
ppl_Int16_Box_tag, 518
ppl_Int16_Box_expand_space_dimension
ppl_Int16_Box_tag, 522
ppl_Int16_Box_external_memory_in_bytes
ppl_Int16_Box_tag, 523
ppl_Int16_Box_fold_space_dimensions
ppl_Int16_Box_tag, 522
ppl_Int16_Box_frequency
ppl_Int16_Box_tag, 518
ppl_Int16_Box_generalized_affine_image
ppl_Int16_Box_tag, 521
ppl_Int16_Box_generalized_affine_image_lhs_rhs
ppl_Int16_Box_tag, 521
ppl_Int16_Box_generalized_affine_preimage
ppl_Int16_Box_tag, 521
ppl_Int16_Box_generalized_affine_preimage_lhs_rhs
ppl_Int16_Box_tag, 521
ppl_Int16_Box_get_congruences
ppl_Int16_Box_tag, 516
ppl_Int16_Box_get_constraints
ppl_Int16_Box_tag, 516

ppl_Int16_Box_get_minimized_congruences
ppl_Int16_Box_tag, 516
ppl_Int16_Box_get_minimized_constraints
ppl_Int16_Box_tag, 516
ppl_Int16_Box_intersection_assign
ppl_Int16_Box_tag, 519
ppl_Int16_Box_is_bounded
ppl_Int16_Box_tag, 517
ppl_Int16_Box_is_discrete
ppl_Int16_Box_tag, 517
ppl_Int16_Box_is_disjoint_from_Int16_Box
ppl_Int16_Box_tag, 518
ppl_Int16_Box_is_empty
ppl_Int16_Box_tag, 517
ppl_Int16_Box_is_topologically_closed
ppl_Int16_Box_tag, 517
ppl_Int16_Box_is_universe
ppl_Int16_Box_tag, 517
ppl_Int16_Box_limited_CC76_extrapolation_-
assign
ppl_Int16_Box_tag, 523
ppl_Int16_Box_limited_CC76_extrapolation_-
assign_with_tokens
ppl_Int16_Box_tag, 523
ppl_Int16_Box_linear_partition
ppl_Int16_Box_tag, 523
ppl_Int16_Box_map_space_dimensions
ppl_Int16_Box_tag, 522
ppl_Int16_Box_maximize
ppl_Int16_Box_tag, 517
ppl_Int16_Box_maximize_with_point
ppl_Int16_Box_tag, 518
ppl_Int16_Box_minimize
ppl_Int16_Box_tag, 518
ppl_Int16_Box_minimize_with_point
ppl_Int16_Box_tag, 518
ppl_Int16_Box_OK
ppl_Int16_Box_tag, 519
ppl_Int16_Box_refine_with_congruence
ppl_Int16_Box_tag, 519
ppl_Int16_Box_refine_with_congruences
ppl_Int16_Box_tag, 519
ppl_Int16_Box_refine_with_constraint
ppl_Int16_Box_tag, 519
ppl_Int16_Box_refine_with_constraints
ppl_Int16_Box_tag, 519
ppl_Int16_Box_relation_with_Congruence
ppl_Int16_Box_tag, 516
ppl_Int16_Box_relation_with_Constraint
ppl_Int16_Box_tag, 516
ppl_Int16_Box_relation_with_Generator
ppl_Int16_Box_tag, 516
ppl_Int16_Box_remove_higher_space_dimensions
ppl_Int16_Box_tag, 522
ppl_Int16_Box_remove_space_dimensions
ppl_Int16_Box_tag, 522
ppl_Int16_Box_simplify_using_context_assign
ppl_Int16_Box_tag, 520
ppl_Int16_Box_space_dimension
ppl_Int16_Box_tag, 516
ppl_Int16_Box_strictly_contains_Int16_Box
ppl_Int16_Box_tag, 518
ppl_Int16_Box_tag, 502
ppl_all_affine_ranking_functions_MS_Int16_-
Box, 525
ppl_all_affine_ranking_functions_MS_Int16_-
Box_2, 525
ppl_all_affine_ranking_functions_PR_Int16_-
Box, 525
ppl_all_affine_ranking_functions_PR_Int16_-
Box_2, 525
ppl_assign_Int16_Box_from_Int16_Box, 524
ppl_delete_Int16_Box, 508
ppl_Int16_Box_add_congruence, 519
ppl_Int16_Box_add_congruences, 519
ppl_Int16_Box_add_constraint, 519
ppl_Int16_Box_add_constraints, 519
ppl_Int16_Box_add_recycled_congruences,
524
ppl_Int16_Box_add_recycled_constraints, 524
ppl_Int16_Box_add_space_dimensions_and_-
embed, 522
ppl_Int16_Box_add_space_dimensions_and_-
project, 522
ppl_Int16_Box_affine_dimension, 516
ppl_Int16_Box_affine_image, 521
ppl_Int16_Box_affine_preimage, 521
ppl_Int16_Box_ascii_dump, 526
ppl_Int16_Box_ascii_load, 526
ppl_Int16_Box_bounded_affine_image, 521
ppl_Int16_Box_bounded_affine_preimage,
521
ppl_Int16_Box_bounds_from_above, 517
ppl_Int16_Box_bounds_from_below, 517
ppl_Int16_Box_CC76_widening_assign, 523
ppl_Int16_Box_CC76_widening_assign_-
with_tokens, 523
ppl_Int16_Box_concatenate_assign, 520
ppl_Int16_Box_constrains, 520
ppl_Int16_Box_contains_Int16_Box, 518
ppl_Int16_Box_contains_integer_point, 517
ppl_Int16_Box_difference_assign, 520
ppl_Int16_Box_drop_some_non_integer_-
points, 522
ppl_Int16_Box_drop_some_non_integer_-
points_2, 522
ppl_Int16_Box_equals_Int16_Box, 518

ppl_Int16_Box_expand_space_dimension, 522
ppl_Int16_Box_external_memory_in_bytes, 523
ppl_Int16_Box_fold_space_dimensions, 522
ppl_Int16_Box_frequency, 518
ppl_Int16_Box_generalized_affine_image, 521
ppl_Int16_Box_generalized_affine_image_lhs_rhs, 521
ppl_Int16_Box_generalized_affine_preimage, 521
ppl_Int16_Box_generalized_affine_preimage_lhs_rhs, 521
ppl_Int16_Box_get_congruences, 516
ppl_Int16_Box_get_constraints, 516
ppl_Int16_Box_get_minimized_congruences, 516
ppl_Int16_Box_get_minimized_constraints, 516
ppl_Int16_Box_intersection_assign, 519
ppl_Int16_Box_is_bounded, 517
ppl_Int16_Box_is_discrete, 517
ppl_Int16_Box_is_disjoint_from_Int16_Box, 518
ppl_Int16_Box_is_empty, 517
ppl_Int16_Box_is_topologically_closed, 517
ppl_Int16_Box_is_universe, 517
ppl_Int16_Box_limited_CC76_extrapolation_assign, 523
ppl_Int16_Box_limited_CC76_extrapolation_assign_with_tokens, 523
ppl_Int16_Box_linear_partition, 523
ppl_Int16_Box_map_space_dimensions, 522
ppl_Int16_Box_maximize, 517
ppl_Int16_Box_maximize_with_point, 518
ppl_Int16_Box_minimize, 518
ppl_Int16_Box_minimize_with_point, 518
ppl_Int16_Box_OK, 519
ppl_Int16_Box_refine_with_congruence, 519
ppl_Int16_Box_refine_with_congruences, 519
ppl_Int16_Box_refine_with_constraint, 519
ppl_Int16_Box_refine_with_constraints, 519
ppl_Int16_Box_relation_with_Congruence, 516
ppl_Int16_Box_relation_with_Constraint, 516
ppl_Int16_Box_relation_with_Generator, 516
ppl_Int16_Box_remove_higher_space_dimensions, 522
ppl_Int16_Box_remove_space_dimensions, 522
ppl_Int16_Box_simplify_using_context_assign, 520
ppl_Int16_Box_space_dimension, 516
ppl_Int16_Box_strictly_contains_Int16_Box, 518
ppl_Int16_Box_time_elapse_assign, 520
ppl_Int16_Box_topological_closure_assign, 517
ppl_Int16_Box_total_memory_in_bytes, 523
ppl_Int16_Box_unconstrain_space_dimension, 520
ppl_Int16_Box_unconstrain_space_dimensions, 520
ppl_Int16_Box_upper_bound_assign, 520
ppl_Int16_Box_upper_bound_assign_if_exact, 520
ppl_Int16_Box_widening_assign, 523
ppl_Int16_Box_widening_assign_with_tokens, 523
ppl_Int16_Box_wrap_assign, 524
ppl_io_asprint_Int16_Box, 526
ppl_io_fprint_Int16_Box, 526
ppl_io_print_Int16_Box, 526
ppl_new_Int16_Box_from_BD_Shape_double, 511
ppl_new_Int16_Box_from_BD_Shape_double_with_complexity, 515
ppl_new_Int16_Box_from_BD_Shape_float, 511
ppl_new_Int16_Box_from_BD_Shape_float_with_complexity, 514
ppl_new_Int16_Box_from_BD_Shape_int16_t, 509
ppl_new_Int16_Box_from_BD_Shape_int16_t_with_complexity, 513
ppl_new_Int16_Box_from_BD_Shape_int32_t, 509
ppl_new_Int16_Box_from_BD_Shape_int32_t_with_complexity, 513
ppl_new_Int16_Box_from_BD_Shape_int64_t, 509
ppl_new_Int16_Box_from_BD_Shape_int64_t_with_complexity, 513
ppl_new_Int16_Box_from_BD_Shape_int8_t, 509
ppl_new_Int16_Box_from_BD_Shape_int8_t_with_complexity, 513
ppl_new_Int16_Box_from_BD_Shape_long_double, 511
ppl_new_Int16_Box_from_BD_Shape_long_double_with_complexity, 515
ppl_new_Int16_Box_from_BD_Shape_mpq_class, 509
ppl_new_Int16_Box_from_BD_Shape_mpq_class_with_complexity, 513

ppl_new_Int16_Box_from_BD_Shape_mpz_-class, 509
ppl_new_Int16_Box_from_BD_Shape_mpz_-class_with_complexity, 513
ppl_new_Int16_Box_from_C_Polyhedron, 510
ppl_new_Int16_Box_from_C_Polyhedron_-with_complexity, 514
ppl_new_Int16_Box_from_Congruence_-System, 515
ppl_new_Int16_Box_from_Constraint_-System, 515
ppl_new_Int16_Box_from_Double_Box, 511
ppl_new_Int16_Box_from_Double_Box_-with_complexity, 515
ppl_new_Int16_Box_from_Float_Box, 510
ppl_new_Int16_Box_from_Float_Box_with_-complexity, 514
ppl_new_Int16_Box_from_Generator_-System, 515
ppl_new_Int16_Box_from_Grid, 510
ppl_new_Int16_Box_from_Grid_with_-complexity, 514
ppl_new_Int16_Box_from_Int16_Box, 508
ppl_new_Int16_Box_from_Int16_Box_with_-complexity, 512
ppl_new_Int16_Box_from_Int32_Box, 508
ppl_new_Int16_Box_from_Int32_Box_with_-complexity, 512
ppl_new_Int16_Box_from_Int64_Box, 508
ppl_new_Int16_Box_from_Int64_Box_with_-complexity, 512
ppl_new_Int16_Box_from_Int8_Box, 508
ppl_new_Int16_Box_from_Int8_Box_with_-complexity, 511
ppl_new_Int16_Box_from_Long_Double_-Box, 511
ppl_new_Int16_Box_from_Long_Double_-Box_with_complexity, 515
ppl_new_Int16_Box_from_NNC_Polyhedron, 510
ppl_new_Int16_Box_from_NNC_-Polyhedron_with_complexity, 514
ppl_new_Int16_Box_from_Octagonal_-Shape_double, 511
ppl_new_Int16_Box_from_Octagonal_-Shape_double_with_complexity, 515
ppl_new_Int16_Box_from_Octagonal_-Shape_float, 511
ppl_new_Int16_Box_from_Octagonal_-Shape_float_with_complexity, 514
ppl_new_Int16_Box_from_Octagonal_-Shape_int16_t, 510
ppl_new_Int16_Box_from_Octagonal_-Shape_int16_t_with_complexity, 513
ppl_new_Int16_Box_from_Octagonal_-Shape_int32_t, 510
ppl_new_Int16_Box_from_Octagonal_-Shape_int32_t_with_complexity, 513
ppl_new_Int16_Box_from_Octagonal_-Shape_int64_t, 510
ppl_new_Int16_Box_from_Octagonal_-Shape_int64_t_with_complexity, 514
ppl_new_Int16_Box_from_Octagonal_-Shape_int8_t, 509
ppl_new_Int16_Box_from_Octagonal_-Shape_int8_t_with_complexity, 513
ppl_new_Int16_Box_from_Octagonal_-Shape_long_double, 511
ppl_new_Int16_Box_from_Octagonal_-Shape_long_double_with_complexity, 515
ppl_new_Int16_Box_from_Octagonal_-Shape_mpq_class, 510
ppl_new_Int16_Box_from_Octagonal_-Shape_mpq_class_with_complexity, 514
ppl_new_Int16_Box_from_Octagonal_-Shape_mpz_class, 510
ppl_new_Int16_Box_from_Octagonal_-Shape_mpz_class_with_complexity, 514
ppl_new_Int16_Box_from_Rational_Box, 509
ppl_new_Int16_Box_from_Rational_Box_-with_complexity, 512
ppl_new_Int16_Box_from_space_dimension, 508
ppl_new_Int16_Box_from_Uint16_Box, 508
ppl_new_Int16_Box_from_Uint16_Box_-with_complexity, 512
ppl_new_Int16_Box_from_Uint32_Box, 508
ppl_new_Int16_Box_from_Uint32_Box_-with_complexity, 512
ppl_new_Int16_Box_from_Uint64_Box, 508
ppl_new_Int16_Box_from_Uint64_Box_-with_complexity, 512
ppl_new_Int16_Box_from_Uint8_Box, 508
ppl_new_Int16_Box_from_Uint8_Box_with_-complexity, 512
ppl_new_Int16_Box_from_Z_Box, 509
ppl_new_Int16_Box_from_Z_Box_with_-complexity, 512
ppl_new_Int16_Box_recycle_Congruence_-System, 524
ppl_new_Int16_Box_recycle_Constraint_-System, 524

ppl_new_Int16_Box_recycle_Generator_-System, 524
ppl_one_affine_ranking_function_MS_-Int16_Box, 525
ppl_one_affine_ranking_function_MS_-Int16_Box_2, 525
ppl_one_affine_ranking_function_PR_Int16_-Box, 525
ppl_one_affine_ranking_function_PR_Int16_-Box_2, 525
ppl_termination_test_MS_Int16_Box, 524
ppl_termination_test_MS_Int16_Box_2, 525
ppl_termination_test_PR_Int16_Box, 524
ppl_termination_test_PR_Int16_Box_2, 525
ppl_Int16_Box_time_elapse_assign
ppl_Int16_Box_tag, 520
ppl_Int16_Box_topological_closure_assign
ppl_Int16_Box_tag, 517
ppl_Int16_Box_total_memory_in_bytes
ppl_Int16_Box_tag, 523
ppl_Int16_Box_unconstrain_space_dimension
ppl_Int16_Box_tag, 520
ppl_Int16_Box_unconstrain_space_dimensions
ppl_Int16_Box_tag, 520
ppl_Int16_Box_upper_bound_assign
ppl_Int16_Box_tag, 520
ppl_Int16_Box_upper_bound_assign_if_exact
ppl_Int16_Box_tag, 520
ppl_Int16_Box_widening_assign
ppl_Int16_Box_tag, 523
ppl_Int16_Box_widening_assign_with_tokens
ppl_Int16_Box_tag, 523
ppl_Int16_Box_wrap_assign
ppl_Int16_Box_tag, 524
ppl_Int32_Box_add_congruence
ppl_Int32_Box_tag, 543
ppl_Int32_Box_add_congruences
ppl_Int32_Box_tag, 543
ppl_Int32_Box_add_constraint
ppl_Int32_Box_tag, 543
ppl_Int32_Box_add_constraints
ppl_Int32_Box_tag, 543
ppl_Int32_Box_add_recycled_congruences
ppl_Int32_Box_tag, 549
ppl_Int32_Box_add_recycled_constraints
ppl_Int32_Box_tag, 549
ppl_Int32_Box_add_space_dimensions_and_-embed
ppl_Int32_Box_tag, 546
ppl_Int32_Box_add_space_dimensions_and_-project
ppl_Int32_Box_tag, 546
ppl_Int32_Box_affine_dimension
ppl_Int32_Box_tag, 540
ppl_Int32_Box_affine_image
ppl_Int32_Box_tag, 545
ppl_Int32_Box_affine_preimage
ppl_Int32_Box_tag, 545
ppl_Int32_Box_ascii_dump
ppl_Int32_Box_tag, 550
ppl_Int32_Box_ascii_load
ppl_Int32_Box_tag, 551
ppl_Int32_Box_bounded_affine_image
ppl_Int32_Box_tag, 545
ppl_Int32_Box_bounded_affine_preimage
ppl_Int32_Box_tag, 545
ppl_Int32_Box_bounds_from_above
ppl_Int32_Box_tag, 542
ppl_Int32_Box_bounds_from_below
ppl_Int32_Box_tag, 542
ppl_Int32_Box_CC76_widening_assign
ppl_Int32_Box_tag, 547
ppl_Int32_Box_CC76_widening_assign_with_-tokens
ppl_Int32_Box_tag, 547
ppl_Int32_Box_concatenate_assign
ppl_Int32_Box_tag, 544
ppl_Int32_Box_constrains
ppl_Int32_Box_tag, 545
ppl_Int32_Box_contains_Int32_Box
ppl_Int32_Box_tag, 543
ppl_Int32_Box_contains_integer_point
ppl_Int32_Box_tag, 541
ppl_Int32_Box_difference_assign
ppl_Int32_Box_tag, 544
ppl_Int32_Box_drop_some_non_integer_points
ppl_Int32_Box_tag, 547
ppl_Int32_Box_drop_some_non_integer_points_2
ppl_Int32_Box_tag, 547
ppl_Int32_Box_equals_Int32_Box
ppl_Int32_Box_tag, 543
ppl_Int32_Box_expand_space_dimension
ppl_Int32_Box_tag, 547
ppl_Int32_Box_external_memory_in_bytes
ppl_Int32_Box_tag, 547
ppl_Int32_Box_fold_space_dimensions
ppl_Int32_Box_tag, 547
ppl_Int32_Box_frequency
ppl_Int32_Box_tag, 542
ppl_Int32_Box_generalized_affine_image
ppl_Int32_Box_tag, 546
ppl_Int32_Box_generalized_affine_image_lhs_rhs
ppl_Int32_Box_tag, 546
ppl_Int32_Box_generalized_affine_preimage
ppl_Int32_Box_tag, 546
ppl_Int32_Box_generalized_affine_preimage_lhs_-rhs
ppl_Int32_Box_tag, 546

ppl_Int32_Box_get_congruences
ppl_Int32_Box_tag, 541
ppl_Int32_Box_get_constraints
ppl_Int32_Box_tag, 541
ppl_Int32_Box_get_minimized_congruences
ppl_Int32_Box_tag, 541
ppl_Int32_Box_get_minimized_constraints
ppl_Int32_Box_tag, 541
ppl_Int32_Box_intersection_assign
ppl_Int32_Box_tag, 544
ppl_Int32_Box_is_bounded
ppl_Int32_Box_tag, 541
ppl_Int32_Box_is_discrete
ppl_Int32_Box_tag, 542
ppl_Int32_Box_is_disjoint_from_Int32_Box
ppl_Int32_Box_tag, 543
ppl_Int32_Box_is_empty
ppl_Int32_Box_tag, 541
ppl_Int32_Box_is_topologically_closed
ppl_Int32_Box_tag, 541
ppl_Int32_Box_is_universe
ppl_Int32_Box_tag, 541
ppl_Int32_Box_limited_CC76_extrapolation_-
assign
ppl_Int32_Box_tag, 548
ppl_Int32_Box_limited_CC76_extrapolation_-
assign_with_tokens
ppl_Int32_Box_tag, 548
ppl_Int32_Box_linear_partition
ppl_Int32_Box_tag, 548
ppl_Int32_Box_map_space_dimensions
ppl_Int32_Box_tag, 547
ppl_Int32_Box_maximize
ppl_Int32_Box_tag, 542
ppl_Int32_Box_maximize_with_point
ppl_Int32_Box_tag, 542
ppl_Int32_Box_minimize
ppl_Int32_Box_tag, 542
ppl_Int32_Box_minimize_with_point
ppl_Int32_Box_tag, 542
ppl_Int32_Box_OK
ppl_Int32_Box_tag, 543
ppl_Int32_Box_refine_with_congruence
ppl_Int32_Box_tag, 544
ppl_Int32_Box_refine_with_congruences
ppl_Int32_Box_tag, 544
ppl_Int32_Box_refine_with_constraint
ppl_Int32_Box_tag, 544
ppl_Int32_Box_refine_with_constraints
ppl_Int32_Box_tag, 544
ppl_Int32_Box_relation_with_Congruence
ppl_Int32_Box_tag, 541
ppl_Int32_Box_relation_with_Constraint
ppl_Int32_Box_tag, 540
ppl_Int32_Box_relation_with_Generator
ppl_Int32_Box_tag, 540
ppl_Int32_Box_remove_higher_space_dimensions
ppl_Int32_Box_tag, 546
ppl_Int32_Box_remove_space_dimensions
ppl_Int32_Box_tag, 546
ppl_Int32_Box_simplify_using_context_assign
ppl_Int32_Box_tag, 545
ppl_Int32_Box_space_dimension
ppl_Int32_Box_tag, 540
ppl_Int32_Box_strictly_contains_Int32_Box
ppl_Int32_Box_tag, 543
ppl_Int32_Box_tag, 526
ppl_all_affine_ranking_functions_MS_Int32_-
Box, 549
ppl_all_affine_ranking_functions_MS_Int32_-
Box_2, 550
ppl_all_affine_ranking_functions_PR_Int32_-
Box, 549
ppl_all_affine_ranking_functions_PR_Int32_-
Box_2, 550
ppl_assign_Int32_Box_from_Int32_Box, 549
ppl_delete_Int32_Box, 532
ppl_Int32_Box_add_congruence, 543
ppl_Int32_Box_add_congruences, 543
ppl_Int32_Box_add_constraint, 543
ppl_Int32_Box_add_constraints, 543
ppl_Int32_Box_add_recycled_congruences,
549
ppl_Int32_Box_add_recycled_constraints, 549
ppl_Int32_Box_add_space_dimensions_and_-
embed, 546
ppl_Int32_Box_add_space_dimensions_and_-
project, 546
ppl_Int32_Box_affine_dimension, 540
ppl_Int32_Box_affine_image, 545
ppl_Int32_Box_affine_preimage, 545
ppl_Int32_Box_ascii_dump, 550
ppl_Int32_Box_ascii_load, 551
ppl_Int32_Box_bounded_affine_image, 545
ppl_Int32_Box_bounded_affine_preimage,
545
ppl_Int32_Box_bounds_from_above, 542
ppl_Int32_Box_bounds_from_below, 542
ppl_Int32_Box_CC76_widening_assign, 547
ppl_Int32_Box_CC76_widening_assign_-
with_tokens, 547
ppl_Int32_Box_concatenate_assign, 544
ppl_Int32_Box_constrains, 545
ppl_Int32_Box_contains_Int32_Box, 543
ppl_Int32_Box_contains_integer_point, 541
ppl_Int32_Box_difference_assign, 544
ppl_Int32_Box_drop_some_non_integer_-
points, 547

ppl_Int32_Box_drop_some_non_integer_-points_2, 547
ppl_Int32_Box_equals_Int32_Box, 543
ppl_Int32_Box_expand_space_dimension, 547
ppl_Int32_Box_external_memory_in_bytes, 547
ppl_Int32_Box_fold_space_dimensions, 547
ppl_Int32_Box_frequency, 542
ppl_Int32_Box_generalized_affine_image, 546
ppl_Int32_Box_generalized_affine_image_-lhs_rhs, 546
ppl_Int32_Box_generalized_affine_preimage, 546
ppl_Int32_Box_generalized_affine_-preimage_lhs_rhs, 546
ppl_Int32_Box_get_congruences, 541
ppl_Int32_Box_get_constraints, 541
ppl_Int32_Box_get_minimized_congruences, 541
ppl_Int32_Box_get_minimized_constraints, 541
ppl_Int32_Box_intersection_assign, 544
ppl_Int32_Box_is_bounded, 541
ppl_Int32_Box_is_discrete, 542
ppl_Int32_Box_is_disjoint_from_Int32_Box, 543
ppl_Int32_Box_is_empty, 541
ppl_Int32_Box_is_topologically_closed, 541
ppl_Int32_Box_is_universe, 541
ppl_Int32_Box_limited_CC76_-extrapolation_assign, 548
ppl_Int32_Box_limited_CC76_-extrapolation_assign_with_tokens, 548
ppl_Int32_Box_linear_partition, 548
ppl_Int32_Box_map_space_dimensions, 547
ppl_Int32_Box_maximize, 542
ppl_Int32_Box_maximize_with_point, 542
ppl_Int32_Box_minimize, 542
ppl_Int32_Box_minimize_with_point, 542
ppl_Int32_Box_OK, 543
ppl_Int32_Box_refine_with_congruence, 544
ppl_Int32_Box_refine_with_congruences, 544
ppl_Int32_Box_refine_with_constraint, 544
ppl_Int32_Box_refine_with_constraints, 544
ppl_Int32_Box_relation_with_Congruence, 541
ppl_Int32_Box_relation_with_Constraint, 540
ppl_Int32_Box_relation_with_Generator, 540
ppl_Int32_Box_remove_higher_space_-dimensions, 546
ppl_Int32_Box_remove_space_dimensions, 546
ppl_Int32_Box_simplify_using_context_-assign, 545
ppl_Int32_Box_space_dimension, 540
ppl_Int32_Box_strictly_contains_Int32_Box, 543
ppl_Int32_Box_time_elapse_assign, 544
ppl_Int32_Box_topological_closure_assign, 542
ppl_Int32_Box_total_memory_in_bytes, 547
ppl_Int32_Box_unconstrain_space_-dimension, 545
ppl_Int32_Box_unconstrain_space_-dimensions, 545
ppl_Int32_Box_upper_bound_assign, 544
ppl_Int32_Box_upper_bound_assign_if_-exact, 545
ppl_Int32_Box_widening_assign, 548
ppl_Int32_Box_widening_assign_with_-tokens, 548
ppl_Int32_Box_wrap_assign, 548
ppl_io_asprint_Int32_Box, 550
ppl_io_fprint_Int32_Box, 550
ppl_io_print_Int32_Box, 550
ppl_new_Int32_Box_from_BD_Shape_-double, 535
ppl_new_Int32_Box_from_BD_Shape_-double_with_complexity, 539
ppl_new_Int32_Box_from_BD_Shape_float, 535
ppl_new_Int32_Box_from_BD_Shape_float_-with_complexity, 539
ppl_new_Int32_Box_from_BD_Shape_-int16_t, 533
ppl_new_Int32_Box_from_BD_Shape_-int16_t_with_complexity, 537
ppl_new_Int32_Box_from_BD_Shape_-int32_t, 533
ppl_new_Int32_Box_from_BD_Shape_-int32_t_with_complexity, 537
ppl_new_Int32_Box_from_BD_Shape_-int64_t, 534
ppl_new_Int32_Box_from_BD_Shape_-int64_t_with_complexity, 537
ppl_new_Int32_Box_from_BD_Shape_int8_t, 533
ppl_new_Int32_Box_from_BD_Shape_int8_-t_with_complexity, 537
ppl_new_Int32_Box_from_BD_Shape_long_-double, 536
ppl_new_Int32_Box_from_BD_Shape_long_-double_with_complexity, 540

ppl_new_Int32_Box_from_BD_Shape_mpq_-class, 534
ppl_new_Int32_Box_from_BD_Shape_mpq_-class_with_complexity, 538
ppl_new_Int32_Box_from_BD_Shape_mpz_-class, 534
ppl_new_Int32_Box_from_BD_Shape_mpz_-class_with_complexity, 537
ppl_new_Int32_Box_from_C_Polyhedron, 535
ppl_new_Int32_Box_from_C_Polyhedron_-with_complexity, 538
ppl_new_Int32_Box_from_Congruence_-System, 540
ppl_new_Int32_Box_from_Constraint_-System, 540
ppl_new_Int32_Box_from_Double_Box, 535
ppl_new_Int32_Box_from_Double_Box_-with_complexity, 539
ppl_new_Int32_Box_from_Float_Box, 535
ppl_new_Int32_Box_from_Float_Box_with_-complexity, 539
ppl_new_Int32_Box_from_Generator_-System, 540
ppl_new_Int32_Box_from_Grid, 535
ppl_new_Int32_Box_from_Grid_with_-complexity, 539
ppl_new_Int32_Box_from_Int16_Box, 532
ppl_new_Int32_Box_from_Int16_Box_with_-complexity, 536
ppl_new_Int32_Box_from_Int32_Box, 532
ppl_new_Int32_Box_from_Int32_Box_with_-complexity, 536
ppl_new_Int32_Box_from_Int64_Box, 532
ppl_new_Int32_Box_from_Int64_Box_with_-complexity, 536
ppl_new_Int32_Box_from_Int8_Box, 532
ppl_new_Int32_Box_from_Int8_Box_with_-complexity, 536
ppl_new_Int32_Box_from_Long_Double_-Box, 536
ppl_new_Int32_Box_from_Long_Double_-Box_with_complexity, 539
ppl_new_Int32_Box_from_NNC_Polyhedron, 535
ppl_new_Int32_Box_from_NNC_-Polyhedron_with_complexity, 539
ppl_new_Int32_Box_from_Octagonal_-Shape_double, 535
ppl_new_Int32_Box_from_Octagonal_-Shape_double_with_complexity, 539
ppl_new_Int32_Box_from_Octagonal_-Shape_float, 535
ppl_new_Int32_Box_from_Octagonal_-Shape_float_with_complexity, 539
ppl_new_Int32_Box_from_Octagonal_-Shape_int16_t, 534
ppl_new_Int32_Box_from_Octagonal_-Shape_int16_t_with_complexity, 538
ppl_new_Int32_Box_from_Octagonal_-Shape_int32_t, 534
ppl_new_Int32_Box_from_Octagonal_-Shape_int32_t_with_complexity, 538
ppl_new_Int32_Box_from_Octagonal_-Shape_int64_t, 534
ppl_new_Int32_Box_from_Octagonal_-Shape_int64_t_with_complexity, 538
ppl_new_Int32_Box_from_Octagonal_-Shape_int8_t, 534
ppl_new_Int32_Box_from_Octagonal_-Shape_int8_t_with_complexity, 538
ppl_new_Int32_Box_from_Octagonal_-Shape_long_double, 536
ppl_new_Int32_Box_from_Octagonal_-Shape_long_double_with_complexity, 540
ppl_new_Int32_Box_from_Octagonal_-Shape_mpq_class, 534
ppl_new_Int32_Box_from_Octagonal_-Shape_mpq_class_with_complexity, 538
ppl_new_Int32_Box_from_Octagonal_-Shape_mpz_class, 534
ppl_new_Int32_Box_from_Octagonal_-Shape_mpz_class_with_complexity, 538
ppl_new_Int32_Box_from_Rational_Box, 533
ppl_new_Int32_Box_from_Rational_Box_-with_complexity, 537
ppl_new_Int32_Box_from_space_dimension, 532
ppl_new_Int32_Box_from_Uint16_Box, 533
ppl_new_Int32_Box_from_Uint16_Box_-with_complexity, 536
ppl_new_Int32_Box_from_Uint32_Box, 533
ppl_new_Int32_Box_from_Uint32_Box_-with_complexity, 537
ppl_new_Int32_Box_from_Uint64_Box, 533
ppl_new_Int32_Box_from_Uint64_Box_-with_complexity, 537
ppl_new_Int32_Box_from_Uint8_Box, 533
ppl_new_Int32_Box_from_Uint8_Box_with_-complexity, 536
ppl_new_Int32_Box_from_Z_Box, 533
ppl_new_Int32_Box_from_Z_Box_with_-complexity, 537

ppl_new_Int32_Box_recycle_Congruence_-System, 548
ppl_new_Int32_Box_recycle_Constraint_-System, 548
ppl_new_Int32_Box_recycle_Generator_-System, 549
ppl_one_affine_ranking_function_MS_-Int32_Box, 549
ppl_one_affine_ranking_function_MS_-Int32_Box_2, 550
ppl_one_affine_ranking_function_PR_Int32_-Box, 549
ppl_one_affine_ranking_function_PR_Int32_-Box_2, 550
ppl_termination_test_MS_Int32_Box, 549
ppl_termination_test_MS_Int32_Box_2, 550
ppl_termination_test_PR_Int32_Box, 549
ppl_termination_test_PR_Int32_Box_2, 550
ppl_Int32_Box_time_elapse_assign
ppl_Int32_Box_tag, 544
ppl_Int32_Box_topological_closure_assign
ppl_Int32_Box_tag, 542
ppl_Int32_Box_total_memory_in_bytes
ppl_Int32_Box_tag, 547
ppl_Int32_Box_unconstrain_space_dimension
ppl_Int32_Box_tag, 545
ppl_Int32_Box_unconstrain_space_dimensions
ppl_Int32_Box_tag, 545
ppl_Int32_Box_upper_bound_assign
ppl_Int32_Box_tag, 544
ppl_Int32_Box_upper_bound_assign_if_exact
ppl_Int32_Box_tag, 545
ppl_Int32_Box_widening_assign
ppl_Int32_Box_tag, 548
ppl_Int32_Box_widening_assign_with_tokens
ppl_Int32_Box_tag, 548
ppl_Int32_Box_wrap_assign
ppl_Int32_Box_tag, 548
ppl_Int64_Box_add_congruence
ppl_Int64_Box_tag, 568
ppl_Int64_Box_add_congruences
ppl_Int64_Box_tag, 568
ppl_Int64_Box_add_constraint
ppl_Int64_Box_tag, 568
ppl_Int64_Box_add_constraints
ppl_Int64_Box_tag, 568
ppl_Int64_Box_add_recycled_congruences
ppl_Int64_Box_tag, 573
ppl_Int64_Box_add_recycled_constraints
ppl_Int64_Box_tag, 573
ppl_Int64_Box_add_space_dimensions_and_-embed
ppl_Int64_Box_tag, 571
ppl_Int64_Box_add_space_dimensions_and_-project
ppl_Int64_Box_tag, 571
ppl_Int64_Box_affine_dimension
ppl_Int64_Box_tag, 565
ppl_Int64_Box_affine_image
ppl_Int64_Box_tag, 570
ppl_Int64_Box_affine_preimage
ppl_Int64_Box_tag, 570
ppl_Int64_Box_ascii_dump
ppl_Int64_Box_tag, 575
ppl_Int64_Box_ascii_load
ppl_Int64_Box_tag, 575
ppl_Int64_Box_bounded_affine_image
ppl_Int64_Box_tag, 570
ppl_Int64_Box_bounded_affine_preimage
ppl_Int64_Box_tag, 570
ppl_Int64_Box_bounds_from_above
ppl_Int64_Box_tag, 566
ppl_Int64_Box_bounds_from_below
ppl_Int64_Box_tag, 566
ppl_Int64_Box_CC76_widening_assign
ppl_Int64_Box_tag, 572
ppl_Int64_Box_CC76_widening_assign_with_-tokens
ppl_Int64_Box_tag, 572
ppl_Int64_Box_concatenate_assign
ppl_Int64_Box_tag, 569
ppl_Int64_Box_constrains
ppl_Int64_Box_tag, 569
ppl_Int64_Box_contains_Int64_Box
ppl_Int64_Box_tag, 567
ppl_Int64_Box_contains_integer_point
ppl_Int64_Box_tag, 566
ppl_Int64_Box_difference_assign
ppl_Int64_Box_tag, 569
ppl_Int64_Box_drop_some_non_integer_points
ppl_Int64_Box_tag, 571
ppl_Int64_Box_drop_some_non_integer_points_2
ppl_Int64_Box_tag, 572
ppl_Int64_Box_equals_Int64_Box
ppl_Int64_Box_tag, 568
ppl_Int64_Box_expand_space_dimension
ppl_Int64_Box_tag, 571
ppl_Int64_Box_external_memory_in_bytes
ppl_Int64_Box_tag, 572
ppl_Int64_Box_fold_space_dimensions
ppl_Int64_Box_tag, 571
ppl_Int64_Box_frequency
ppl_Int64_Box_tag, 567
ppl_Int64_Box_generalized_affine_image
ppl_Int64_Box_tag, 570
ppl_Int64_Box_generalized_affine_image_lhs_rhs
ppl_Int64_Box_tag, 570

ppl_Int64_Box_generalized_affine_preimage
ppl_Int64_Box_tag, 570
ppl_Int64_Box_generalized_affine_preimage_lhs_-
rhs
ppl_Int64_Box_tag, 571
ppl_Int64_Box_get_congruences
ppl_Int64_Box_tag, 565
ppl_Int64_Box_get_constraints
ppl_Int64_Box_tag, 565
ppl_Int64_Box_get_minimized_congruences
ppl_Int64_Box_tag, 566
ppl_Int64_Box_get_minimized_constraints
ppl_Int64_Box_tag, 566
ppl_Int64_Box_intersection_assign
ppl_Int64_Box_tag, 569
ppl_Int64_Box_is_bounded
ppl_Int64_Box_tag, 566
ppl_Int64_Box_is_discrete
ppl_Int64_Box_tag, 566
ppl_Int64_Box_is_disjoint_from_Int64_Box
ppl_Int64_Box_tag, 567
ppl_Int64_Box_is_empty
ppl_Int64_Box_tag, 566
ppl_Int64_Box_is_topologically_closed
ppl_Int64_Box_tag, 566
ppl_Int64_Box_is_universe
ppl_Int64_Box_tag, 566
ppl_Int64_Box_limited_CC76_extrapolation_-
assign
ppl_Int64_Box_tag, 572
ppl_Int64_Box_limited_CC76_extrapolation_-
assign_with_tokens
ppl_Int64_Box_tag, 572
ppl_Int64_Box_linear_partition
ppl_Int64_Box_tag, 573
ppl_Int64_Box_map_space_dimensions
ppl_Int64_Box_tag, 571
ppl_Int64_Box_maximize
ppl_Int64_Box_tag, 567
ppl_Int64_Box_maximize_with_point
ppl_Int64_Box_tag, 567
ppl_Int64_Box_minimize
ppl_Int64_Box_tag, 567
ppl_Int64_Box_minimize_with_point
ppl_Int64_Box_tag, 567
ppl_Int64_Box_OK
ppl_Int64_Box_tag, 568
ppl_Int64_Box_refine_with_congruence
ppl_Int64_Box_tag, 568
ppl_Int64_Box_refine_with_congruences
ppl_Int64_Box_tag, 568
ppl_Int64_Box_refine_with_constraint
ppl_Int64_Box_tag, 568
ppl_Int64_Box_refine_with_constraints
ppl_Int64_Box_tag, 568
ppl_Int64_Box_relation_with_Congruence
ppl_Int64_Box_tag, 565
ppl_Int64_Box_relation_with_Constraint
ppl_Int64_Box_tag, 565
ppl_Int64_Box_relation_with_Generator
ppl_Int64_Box_tag, 565
ppl_Int64_Box_remove_higher_space_dimensions
ppl_Int64_Box_tag, 571
ppl_Int64_Box_remove_space_dimensions
ppl_Int64_Box_tag, 571
ppl_Int64_Box_simplify_using_context_assign
ppl_Int64_Box_tag, 569
ppl_Int64_Box_space_dimension
ppl_Int64_Box_tag, 565
ppl_Int64_Box_strictly_contains_Int64_Box
ppl_Int64_Box_tag, 567
ppl_Int64_Box_tag, 551
ppl_all_affine_ranking_functions_MS_Int64_-
Box, 574
ppl_all_affine_ranking_functions_MS_Int64_-
Box_2, 574
ppl_all_affine_ranking_functions_PR_Int64_-
Box, 574
ppl_all_affine_ranking_functions_PR_Int64_-
Box_2, 575
ppl_assign_Int64_Box_from_Int64_Box, 573
ppl_delete_Int64_Box, 557
ppl_Int64_Box_add_congruence, 568
ppl_Int64_Box_add_congruences, 568
ppl_Int64_Box_add_constraint, 568
ppl_Int64_Box_add_constraints, 568
ppl_Int64_Box_add_recycled_congruences,
573
ppl_Int64_Box_add_recycled_constraints, 573
ppl_Int64_Box_add_space_dimensions_and_-
embed, 571
ppl_Int64_Box_add_space_dimensions_and_-
project, 571
ppl_Int64_Box_affine_dimension, 565
ppl_Int64_Box_affine_image, 570
ppl_Int64_Box_affine_preimage, 570
ppl_Int64_Box_ascii_dump, 575
ppl_Int64_Box_ascii_load, 575
ppl_Int64_Box_bounded_affine_image, 570
ppl_Int64_Box_bounded_affine_preimage,
570
ppl_Int64_Box_bounds_from_above, 566
ppl_Int64_Box_bounds_from_below, 566
ppl_Int64_Box_CC76_widening_assign, 572
ppl_Int64_Box_CC76_widening_assign_-
with_tokens, 572
ppl_Int64_Box_concatenate_assign, 569
ppl_Int64_Box_constrains, 569

ppl_Int64_Box_contains_Int64_Box, 567
ppl_Int64_Box_contains_integer_point, 566
ppl_Int64_Box_difference_assign, 569
ppl_Int64_Box_drop_some_non_integer_-points, 571
ppl_Int64_Box_drop_some_non_integer_-points_2, 572
ppl_Int64_Box_equals_Int64_Box, 568
ppl_Int64_Box_expand_space_dimension, 571
ppl_Int64_Box_external_memory_in_bytes, 572
ppl_Int64_Box_fold_space_dimensions, 571
ppl_Int64_Box_frequency, 567
ppl_Int64_Box_generalized_affine_image, 570
ppl_Int64_Box_generalized_affine_image_-lhs_rhs, 570
ppl_Int64_Box_generalized_affine_preimage, 570
ppl_Int64_Box_generalized_affine_-preimage_lhs_rhs, 571
ppl_Int64_Box_get_congruences, 565
ppl_Int64_Box_get_constraints, 565
ppl_Int64_Box_get_minimized_congruences, 566
ppl_Int64_Box_get_minimized_constraints, 566
ppl_Int64_Box_intersection_assign, 569
ppl_Int64_Box_is_bounded, 566
ppl_Int64_Box_is_discrete, 566
ppl_Int64_Box_is_disjoint_from_Int64_Box, 567
ppl_Int64_Box_is_empty, 566
ppl_Int64_Box_is_topologically_closed, 566
ppl_Int64_Box_is_universe, 566
ppl_Int64_Box_limited_CC76_-extrapolation_assign, 572
ppl_Int64_Box_limited_CC76_-extrapolation_assign_with_tokens, 572
ppl_Int64_Box_linear_partition, 573
ppl_Int64_Box_map_space_dimensions, 571
ppl_Int64_Box_maximize, 567
ppl_Int64_Box_maximize_with_point, 567
ppl_Int64_Box_minimize, 567
ppl_Int64_Box_minimize_with_point, 567
ppl_Int64_Box_OK, 568
ppl_Int64_Box_refine_with_congruence, 568
ppl_Int64_Box_refine_with_congruences, 568
ppl_Int64_Box_refine_with_constraint, 568
ppl_Int64_Box_refine_with_constraints, 568
ppl_Int64_Box_relation_with_Congruence, 565
ppl_Int64_Box_relation_with_Constraint, 565
ppl_Int64_Box_relation_with_Generator, 565
ppl_Int64_Box_remove_higher_space_-dimensions, 571
ppl_Int64_Box_remove_space_dimensions, 571
ppl_Int64_Box_simplify_using_context_-assign, 569
ppl_Int64_Box_space_dimension, 565
ppl_Int64_Box_strictly_contains_Int64_Box, 567
ppl_Int64_Box_time_elapse_assign, 569
ppl_Int64_Box_topological_closure_assign, 566
ppl_Int64_Box_total_memory_in_bytes, 572
ppl_Int64_Box_unconstrain_space_-dimension, 569
ppl_Int64_Box_unconstrain_space_-dimensions, 570
ppl_Int64_Box_upper_bound_assign, 569
ppl_Int64_Box_upper_bound_assign_if_-exact, 569
ppl_Int64_Box_widening_assign, 572
ppl_Int64_Box_widening_assign_with_-tokens, 572
ppl_Int64_Box_wrap_assign, 573
ppl_io_asprint_Int64_Box, 575
ppl_io_fprint_Int64_Box, 575
ppl_io_print_Int64_Box, 575
ppl_new_Int64_Box_from_BD_Shape_-double, 560
ppl_new_Int64_Box_from_BD_Shape_-double_with_complexity, 564
ppl_new_Int64_Box_from_BD_Shape_float, 560
ppl_new_Int64_Box_from_BD_Shape_float_-with_complexity, 564
ppl_new_Int64_Box_from_BD_Shape_-int16_t, 558
ppl_new_Int64_Box_from_BD_Shape_-int16_t_with_complexity, 562
ppl_new_Int64_Box_from_BD_Shape_-int32_t, 558
ppl_new_Int64_Box_from_BD_Shape_-int32_t_with_complexity, 562
ppl_new_Int64_Box_from_BD_Shape_-int64_t, 558
ppl_new_Int64_Box_from_BD_Shape_-int64_t_with_complexity, 562
ppl_new_Int64_Box_from_BD_Shape_int8_t, 558
ppl_new_Int64_Box_from_BD_Shape_int8_-t_with_complexity, 562

ppl_new_Int64_Box_from_BD_Shape_long_-double, 560
ppl_new_Int64_Box_from_BD_Shape_long_-double_with_complexity, 564
ppl_new_Int64_Box_from_BD_Shape_mpq_-class, 558
ppl_new_Int64_Box_from_BD_Shape_mpq_-class_with_complexity, 562
ppl_new_Int64_Box_from_BD_Shape_mpz_-class, 558
ppl_new_Int64_Box_from_BD_Shape_mpz_-class_with_complexity, 562
ppl_new_Int64_Box_from_C_Polyhedron, 559
ppl_new_Int64_Box_from_C_Polyhedron_-with_complexity, 563
ppl_new_Int64_Box_from_Congruence_-System, 565
ppl_new_Int64_Box_from_Constraint_-System, 564
ppl_new_Int64_Box_from_Double_Box, 560
ppl_new_Int64_Box_from_Double_Box_-with_complexity, 564
ppl_new_Int64_Box_from_Float_Box, 560
ppl_new_Int64_Box_from_Float_Box_with_-complexity, 563
ppl_new_Int64_Box_from_Generator_-System, 565
ppl_new_Int64_Box_from_Grid, 559
ppl_new_Int64_Box_from_Grid_with_-complexity, 563
ppl_new_Int64_Box_from_Int16_Box, 557
ppl_new_Int64_Box_from_Int16_Box_with_-complexity, 561
ppl_new_Int64_Box_from_Int32_Box, 557
ppl_new_Int64_Box_from_Int32_Box_with_-complexity, 561
ppl_new_Int64_Box_from_Int64_Box, 557
ppl_new_Int64_Box_from_Int64_Box_with_-complexity, 561
ppl_new_Int64_Box_from_Int8_Box, 557
ppl_new_Int64_Box_from_Int8_Box_with_-complexity, 561
ppl_new_Int64_Box_from_Long_Double_-Box, 560
ppl_new_Int64_Box_from_Long_Double_-Box_with_complexity, 564
ppl_new_Int64_Box_from_NNC_Polyhedron, 559
ppl_new_Int64_Box_from_NNC_-Polyhedron_with_complexity, 563
ppl_new_Int64_Box_from_Octagonal_-Shape_double, 560
ppl_new_Int64_Box_from_Octagonal_-Shape_double_with_complexity, 564
ppl_new_Int64_Box_from_Octagonal_-Shape_float, 560
ppl_new_Int64_Box_from_Octagonal_-Shape_float_with_complexity, 564
ppl_new_Int64_Box_from_Octagonal_-Shape_int16_t, 559
ppl_new_Int64_Box_from_Octagonal_-Shape_int16_t_with_complexity, 562
ppl_new_Int64_Box_from_Octagonal_-Shape_int32_t, 559
ppl_new_Int64_Box_from_Octagonal_-Shape_int32_t_with_complexity, 563
ppl_new_Int64_Box_from_Octagonal_-Shape_int64_t, 559
ppl_new_Int64_Box_from_Octagonal_-Shape_int64_t_with_complexity, 563
ppl_new_Int64_Box_from_Octagonal_-Shape_int8_t, 559
ppl_new_Int64_Box_from_Octagonal_-Shape_int8_t_with_complexity, 562
ppl_new_Int64_Box_from_Octagonal_-Shape_long_double, 560
ppl_new_Int64_Box_from_Octagonal_-Shape_long_double_with_complexity, 564
ppl_new_Int64_Box_from_Octagonal_-Shape_mpq_class, 559
ppl_new_Int64_Box_from_Octagonal_-Shape_mpq_class_with_complexity, 563
ppl_new_Int64_Box_from_Octagonal_-Shape_mpz_class, 559
ppl_new_Int64_Box_from_Octagonal_-Shape_mpz_class_with_complexity, 563
ppl_new_Int64_Box_from_Rational_Box, 558
ppl_new_Int64_Box_from_Rational_Box_-with_complexity, 562
ppl_new_Int64_Box_from_space_dimension, 557
ppl_new_Int64_Box_from_Uint16_Box, 557
ppl_new_Int64_Box_from_Uint16_Box_-with_complexity, 561
ppl_new_Int64_Box_from_Uint32_Box, 557
ppl_new_Int64_Box_from_Uint32_Box_-with_complexity, 561
ppl_new_Int64_Box_from_Uint64_Box, 558
ppl_new_Int64_Box_from_Uint64_Box_-with_complexity, 561
ppl_new_Int64_Box_from_Uint8_Box, 557
ppl_new_Int64_Box_from_Uint8_Box_with_-complexity, 561

ppl_new_Int64_Box_from_Z_Box, 558
ppl_new_Int64_Box_from_Z_Box_with_-complexity, 561
ppl_new_Int64_Box_recycle_Congruence_-System, 573
ppl_new_Int64_Box_recycle_Constraint_-System, 573
ppl_new_Int64_Box_recycle_Generator_-System, 573
ppl_one_affine_ranking_function_MS_-Int64_Box, 574
ppl_one_affine_ranking_function_MS_-Int64_Box_2, 574
ppl_one_affine_ranking_function_PR_Int64_-Box, 574
ppl_one_affine_ranking_function_PR_Int64_-Box_2, 574
ppl_termination_test_MS_Int64_Box, 573
ppl_termination_test_MS_Int64_Box_2, 574
ppl_termination_test_PR_Int64_Box, 574
ppl_termination_test_PR_Int64_Box_2, 574
ppl_Int64_Box_time_elapse_assign
ppl_Int64_Box_tag, 569
ppl_Int64_Box_topological_closure_assign
ppl_Int64_Box_tag, 566
ppl_Int64_Box_total_memory_in_bytes
ppl_Int64_Box_tag, 572
ppl_Int64_Box_unconstrain_space_dimension
ppl_Int64_Box_tag, 569
ppl_Int64_Box_unconstrain_space_dimensions
ppl_Int64_Box_tag, 570
ppl_Int64_Box_upper_bound_assign
ppl_Int64_Box_tag, 569
ppl_Int64_Box_upper_bound_assign_if_exact
ppl_Int64_Box_tag, 569
ppl_Int64_Box_widening_assign
ppl_Int64_Box_tag, 572
ppl_Int64_Box_widening_assign_with_tokens
ppl_Int64_Box_tag, 572
ppl_Int64_Box_wrap_assign
ppl_Int64_Box_tag, 573
ppl_Int8_Box_add_congruence
ppl_Int8_Box_tag, 592
ppl_Int8_Box_add_congruences
ppl_Int8_Box_tag, 592
ppl_Int8_Box_add_constraint
ppl_Int8_Box_tag, 592
ppl_Int8_Box_add_constraints
ppl_Int8_Box_tag, 592
ppl_Int8_Box_add_recycled_congruences
ppl_Int8_Box_tag, 598
ppl_Int8_Box_add_recycled_constraints
ppl_Int8_Box_tag, 598
ppl_Int8_Box_add_space_dimensions_and_embed
ppl_Int8_Box_tag, 595
ppl_Int8_Box_add_space_dimensions_and_project
ppl_Int8_Box_tag, 595
ppl_Int8_Box_affine_dimension
ppl_Int8_Box_tag, 589
ppl_Int8_Box_affine_image
ppl_Int8_Box_tag, 594
ppl_Int8_Box_affine_preimage
ppl_Int8_Box_tag, 594
ppl_Int8_Box_ascii_dump
ppl_Int8_Box_tag, 599
ppl_Int8_Box_ascii_load
ppl_Int8_Box_tag, 600
ppl_Int8_Box_bounded_affine_image
ppl_Int8_Box_tag, 594
ppl_Int8_Box_bounded_affine_preimage
ppl_Int8_Box_tag, 594
ppl_Int8_Box_bounds_from_above
ppl_Int8_Box_tag, 591
ppl_Int8_Box_bounds_from_below
ppl_Int8_Box_tag, 591
ppl_Int8_Box_CC76_widening_assign
ppl_Int8_Box_tag, 596
ppl_Int8_Box_CC76_widening_assign_with_-tokens
ppl_Int8_Box_tag, 596
ppl_Int8_Box_concatenate_assign
ppl_Int8_Box_tag, 593
ppl_Int8_Box_constrains
ppl_Int8_Box_tag, 594
ppl_Int8_Box_contains_Int8_Box
ppl_Int8_Box_tag, 592
ppl_Int8_Box_contains_integer_point
ppl_Int8_Box_tag, 590
ppl_Int8_Box_difference_assign
ppl_Int8_Box_tag, 593
ppl_Int8_Box_drop_some_non_integer_points
ppl_Int8_Box_tag, 596
ppl_Int8_Box_drop_some_non_integer_points_2
ppl_Int8_Box_tag, 596
ppl_Int8_Box_equals_Int8_Box
ppl_Int8_Box_tag, 592
ppl_Int8_Box_expand_space_dimension
ppl_Int8_Box_tag, 596
ppl_Int8_Box_external_memory_in_bytes
ppl_Int8_Box_tag, 596
ppl_Int8_Box_fold_space_dimensions
ppl_Int8_Box_tag, 596
ppl_Int8_Box_frequency
ppl_Int8_Box_tag, 591
ppl_Int8_Box_generalized_affine_image
ppl_Int8_Box_tag, 595
ppl_Int8_Box_generalized_affine_image_lhs_rhs
ppl_Int8_Box_tag, 595

ppl_Int8_Box_generalized_affine_preimage
ppl_Int8_Box_tag, 595
ppl_Int8_Box_generalized_affine_preimage_lhs_-
rhs
ppl_Int8_Box_tag, 595
ppl_Int8_Box_get_congruences
ppl_Int8_Box_tag, 590
ppl_Int8_Box_get_constraints
ppl_Int8_Box_tag, 590
ppl_Int8_Box_get_minimized_congruences
ppl_Int8_Box_tag, 590
ppl_Int8_Box_get_minimized_constraints
ppl_Int8_Box_tag, 590
ppl_Int8_Box_intersection_assign
ppl_Int8_Box_tag, 593
ppl_Int8_Box_is_bounded
ppl_Int8_Box_tag, 590
ppl_Int8_Box_is_discrete
ppl_Int8_Box_tag, 591
ppl_Int8_Box_is_disjoint_from_Int8_Box
ppl_Int8_Box_tag, 592
ppl_Int8_Box_is_empty
ppl_Int8_Box_tag, 590
ppl_Int8_Box_is_topologically_closed
ppl_Int8_Box_tag, 590
ppl_Int8_Box_is_universe
ppl_Int8_Box_tag, 590
ppl_Int8_Box_limited_CC76_extrapolation_assign
ppl_Int8_Box_tag, 597
ppl_Int8_Box_limited_CC76_extrapolation_-
assign_with_tokens
ppl_Int8_Box_tag, 597
ppl_Int8_Box_linear_partition
ppl_Int8_Box_tag, 597
ppl_Int8_Box_map_space_dimensions
ppl_Int8_Box_tag, 596
ppl_Int8_Box_maximize
ppl_Int8_Box_tag, 591
ppl_Int8_Box_maximize_with_point
ppl_Int8_Box_tag, 591
ppl_Int8_Box_minimize
ppl_Int8_Box_tag, 591
ppl_Int8_Box_minimize_with_point
ppl_Int8_Box_tag, 591
ppl_Int8_Box_OK
ppl_Int8_Box_tag, 592
ppl_Int8_Box_refine_with_congruence
ppl_Int8_Box_tag, 593
ppl_Int8_Box_refine_with_congruences
ppl_Int8_Box_tag, 593
ppl_Int8_Box_refine_with_constraint
ppl_Int8_Box_tag, 593
ppl_Int8_Box_refine_with_constraints
ppl_Int8_Box_tag, 593
ppl_Int8_Box_relation_with_Congruence
ppl_Int8_Box_tag, 590
ppl_Int8_Box_relation_with_Constraint
ppl_Int8_Box_tag, 589
ppl_Int8_Box_relation_with_Generator
ppl_Int8_Box_tag, 589
ppl_Int8_Box_remove_higher_space_dimensions
ppl_Int8_Box_tag, 595
ppl_Int8_Box_remove_space_dimensions
ppl_Int8_Box_tag, 595
ppl_Int8_Box_simplify_using_context_assign
ppl_Int8_Box_tag, 594
ppl_Int8_Box_space_dimension
ppl_Int8_Box_tag, 589
ppl_Int8_Box_strictly_contains_Int8_Box
ppl_Int8_Box_tag, 592
ppl_Int8_Box_tag, 575
ppl_all_affine_ranking_functions_MS_Int8_-
Box, 598
ppl_all_affine_ranking_functions_MS_Int8_-
Box_2, 599
ppl_all_affine_ranking_functions_PR_Int8_-
Box, 598
ppl_all_affine_ranking_functions_PR_Int8_-
Box_2, 599
ppl_assign_Int8_Box_from_Int8_Box, 598
ppl_delete_Int8_Box, 581
ppl_Int8_Box_add_congruence, 592
ppl_Int8_Box_add_congruences, 592
ppl_Int8_Box_add_constraint, 592
ppl_Int8_Box_add_constraints, 592
ppl_Int8_Box_add_recycled_congruences,
598
ppl_Int8_Box_add_recycled_constraints, 598
ppl_Int8_Box_add_space_dimensions_and_-
embed, 595
ppl_Int8_Box_add_space_dimensions_and_-
project, 595
ppl_Int8_Box_affine_dimension, 589
ppl_Int8_Box_affine_image, 594
ppl_Int8_Box_affine_preimage, 594
ppl_Int8_Box_ascii_dump, 599
ppl_Int8_Box_ascii_load, 600
ppl_Int8_Box_bounded_affine_image, 594
ppl_Int8_Box_bounded_affine_preimage, 594
ppl_Int8_Box_bounds_from_above, 591
ppl_Int8_Box_bounds_from_below, 591
ppl_Int8_Box_CC76_widening_assign, 596
ppl_Int8_Box_CC76_widening_assign_with_-
tokens, 596
ppl_Int8_Box_concatenate_assign, 593
ppl_Int8_Box_constrains, 594
ppl_Int8_Box_contains_Int8_Box, 592
ppl_Int8_Box_contains_integer_point, 590

ppl_Int8_Box_difference_assign, 593
ppl_Int8_Box_drop_some_non_integer_-points, 596
ppl_Int8_Box_drop_some_non_integer_-points_2, 596
ppl_Int8_Box_equals_Int8_Box, 592
ppl_Int8_Box_expand_space_dimension, 596
ppl_Int8_Box_external_memory_in_bytes, 596
ppl_Int8_Box_fold_space_dimensions, 596
ppl_Int8_Box_frequency, 591
ppl_Int8_Box_generalized_affine_image, 595
ppl_Int8_Box_generalized_affine_image_-lhs_rhs, 595
ppl_Int8_Box_generalized_affine_preimage, 595
ppl_Int8_Box_generalized_affine_preimage_-lhs_rhs, 595
ppl_Int8_Box_get_congruences, 590
ppl_Int8_Box_get_constraints, 590
ppl_Int8_Box_get_minimized_congruences, 590
ppl_Int8_Box_get_minimized_constraints, 590
ppl_Int8_Box_intersection_assign, 593
ppl_Int8_Box_is_bounded, 590
ppl_Int8_Box_is_discrete, 591
ppl_Int8_Box_is_disjoint_from_Int8_Box, 592
ppl_Int8_Box_is_empty, 590
ppl_Int8_Box_is_topologically_closed, 590
ppl_Int8_Box_is_universe, 590
ppl_Int8_Box_limited_CC76_extrapolation_-assign, 597
ppl_Int8_Box_limited_CC76_extrapolation_-assign_with_tokens, 597
ppl_Int8_Box_linear_partition, 597
ppl_Int8_Box_map_space_dimensions, 596
ppl_Int8_Box_maximize, 591
ppl_Int8_Box_maximize_with_point, 591
ppl_Int8_Box_minimize, 591
ppl_Int8_Box_minimize_with_point, 591
ppl_Int8_Box_OK, 592
ppl_Int8_Box_refine_with_congruence, 593
ppl_Int8_Box_refine_with_congruences, 593
ppl_Int8_Box_refine_with_constraint, 593
ppl_Int8_Box_refine_with_constraints, 593
ppl_Int8_Box_relation_with_Congruence, 590
ppl_Int8_Box_relation_with_Constraint, 589
ppl_Int8_Box_relation_with_Generator, 589
ppl_Int8_Box_remove_higher_space_-dimensions, 595
ppl_Int8_Box_remove_space_dimensions, 595
ppl_Int8_Box_simplify_using_context_-assign, 594
ppl_Int8_Box_space_dimension, 589
ppl_Int8_Box_strictly_contains_Int8_Box, 592
ppl_Int8_Box_time_elapse_assign, 593
ppl_Int8_Box_topological_closure_assign, 591
ppl_Int8_Box_total_memory_in_bytes, 596
ppl_Int8_Box_unconstrain_space_dimension, 594
ppl_Int8_Box_unconstrain_space_-dimensions, 594
ppl_Int8_Box_upper_bound_assign, 593
ppl_Int8_Box_upper_bound_assign_if_exact, 594
ppl_Int8_Box_widening_assign, 597
ppl_Int8_Box_widening_assign_with_tokens, 597
ppl_Int8_Box_wrap_assign, 597
ppl_io_asprint_Int8_Box, 599
ppl_io_fprint_Int8_Box, 599
ppl_io_print_Int8_Box, 599
ppl_new_Int8_Box_from_BD_Shape_double, 584
ppl_new_Int8_Box_from_BD_Shape_-double_with_complexity, 588
ppl_new_Int8_Box_from_BD_Shape_float, 584
ppl_new_Int8_Box_from_BD_Shape_float_-with_complexity, 588
ppl_new_Int8_Box_from_BD_Shape_int16_t, 582
ppl_new_Int8_Box_from_BD_Shape_int16_-t_with_complexity, 586
ppl_new_Int8_Box_from_BD_Shape_int32_t, 582
ppl_new_Int8_Box_from_BD_Shape_int32_-t_with_complexity, 586
ppl_new_Int8_Box_from_BD_Shape_int64_t, 583
ppl_new_Int8_Box_from_BD_Shape_int64_-t_with_complexity, 586
ppl_new_Int8_Box_from_BD_Shape_int8_t, 582
ppl_new_Int8_Box_from_BD_Shape_int8_t_-with_complexity, 586
ppl_new_Int8_Box_from_BD_Shape_long_-double, 585
ppl_new_Int8_Box_from_BD_Shape_long_-double_with_complexity, 589
ppl_new_Int8_Box_from_BD_Shape_mpq_-class, 583

ppl_new_Int8_Box_from_BD_Shape_mpq_-class_with_complexity, 587
ppl_new_Int8_Box_from_BD_Shape_mpz_-class, 583
ppl_new_Int8_Box_from_BD_Shape_mpz_-class_with_complexity, 586
ppl_new_Int8_Box_from_C_Polyhedron, 584
ppl_new_Int8_Box_from_C_Polyhedron_-with_complexity, 587
ppl_new_Int8_Box_from_Congruence_-System, 589
ppl_new_Int8_Box_from_Constraint_System, 589
ppl_new_Int8_Box_from_Double_Box, 584
ppl_new_Int8_Box_from_Double_Box_-with_complexity, 588
ppl_new_Int8_Box_from_Float_Box, 584
ppl_new_Int8_Box_from_Float_Box_with_-complexity, 588
ppl_new_Int8_Box_from_Generator_System, 589
ppl_new_Int8_Box_from_Grid, 584
ppl_new_Int8_Box_from_Grid_with_-complexity, 588
ppl_new_Int8_Box_from_Int16_Box, 581
ppl_new_Int8_Box_from_Int16_Box_with_-complexity, 585
ppl_new_Int8_Box_from_Int32_Box, 581
ppl_new_Int8_Box_from_Int32_Box_with_-complexity, 585
ppl_new_Int8_Box_from_Int64_Box, 581
ppl_new_Int8_Box_from_Int64_Box_with_-complexity, 585
ppl_new_Int8_Box_from_Int8_Box, 581
ppl_new_Int8_Box_from_Int8_Box_with_-complexity, 585
ppl_new_Int8_Box_from_Long_Double_Box, 585
ppl_new_Int8_Box_from_Long_Double_-Box_with_complexity, 588
ppl_new_Int8_Box_from_NNC_Polyhedron, 584
ppl_new_Int8_Box_from_NNC_Polyhedron_-with_complexity, 588
ppl_new_Int8_Box_from_Octagonal_Shape_-double, 584
ppl_new_Int8_Box_from_Octagonal_Shape_-double_with_complexity, 588
ppl_new_Int8_Box_from_Octagonal_Shape_-float, 584
ppl_new_Int8_Box_from_Octagonal_Shape_-float_with_complexity, 588
ppl_new_Int8_Box_from_Octagonal_Shape_-int16_t, 583
ppl_new_Int8_Box_from_Octagonal_Shape_-int16_t_with_complexity, 587
ppl_new_Int8_Box_from_Octagonal_Shape_-int32_t, 583
ppl_new_Int8_Box_from_Octagonal_Shape_-int32_t_with_complexity, 587
ppl_new_Int8_Box_from_Octagonal_Shape_-int64_t, 583
ppl_new_Int8_Box_from_Octagonal_Shape_-int64_t_with_complexity, 587
ppl_new_Int8_Box_from_Octagonal_Shape_-int8_t, 583
ppl_new_Int8_Box_from_Octagonal_Shape_-int8_t_with_complexity, 587
ppl_new_Int8_Box_from_Octagonal_Shape_-long_double, 585
ppl_new_Int8_Box_from_Octagonal_Shape_-long_double_with_complexity, 589
ppl_new_Int8_Box_from_Octagonal_Shape_-mpq_class, 583
ppl_new_Int8_Box_from_Octagonal_Shape_-mpq_class_with_complexity, 587
ppl_new_Int8_Box_from_Octagonal_Shape_-mpz_class, 583
ppl_new_Int8_Box_from_Octagonal_Shape_-mpz_class_with_complexity, 587
ppl_new_Int8_Box_from_Rational_Box, 582
ppl_new_Int8_Box_from_Rational_Box_-with_complexity, 586
ppl_new_Int8_Box_from_space_dimension, 581
ppl_new_Int8_Box_from_Uint16_Box, 582
ppl_new_Int8_Box_from_Uint16_Box_with_-complexity, 585
ppl_new_Int8_Box_from_Uint32_Box, 582
ppl_new_Int8_Box_from_Uint32_Box_with_-complexity, 586
ppl_new_Int8_Box_from_Uint64_Box, 582
ppl_new_Int8_Box_from_Uint64_Box_with_-complexity, 586
ppl_new_Int8_Box_from_Uint8_Box, 582
ppl_new_Int8_Box_from_Uint8_Box_with_-complexity, 585
ppl_new_Int8_Box_from_Z_Box, 582
ppl_new_Int8_Box_from_Z_Box_with_-complexity, 586
ppl_new_Int8_Box_recycle_Congruence_-System, 597
ppl_new_Int8_Box_recycle_Constraint_-System, 597
ppl_new_Int8_Box_recycle_Generator_-System, 598
ppl_one_affine_ranking_function_MS_Int8_-Box, 598

ppl_one_affine_ranking_function_MS_Int8_-Box_2, 599
ppl_one_affine_ranking_function_PR_Int8_-Box, 598
ppl_one_affine_ranking_function_PR_Int8_-Box_2, 599
ppl_termination_test_MS_Int8_Box, 598
ppl_termination_test_MS_Int8_Box_2, 599
ppl_termination_test_PR_Int8_Box, 598
ppl_termination_test_PR_Int8_Box_2, 599
ppl_Int8_Box_time_elapse_assign
ppl_Int8_Box_tag, 593
ppl_Int8_Box_topological_closure_assign
ppl_Int8_Box_tag, 591
ppl_Int8_Box_total_memory_in_bytes
ppl_Int8_Box_tag, 596
ppl_Int8_Box_unconstrain_space_dimension
ppl_Int8_Box_tag, 594
ppl_Int8_Box_unconstrain_space_dimensions
ppl_Int8_Box_tag, 594
ppl_Int8_Box_upper_bound_assign
ppl_Int8_Box_tag, 593
ppl_Int8_Box_upper_bound_assign_if_exact
ppl_Int8_Box_tag, 594
ppl_Int8_Box_widening_assign
ppl_Int8_Box_tag, 597
ppl_Int8_Box_widening_assign_with_tokens
ppl_Int8_Box_tag, 597
ppl_Int8_Box_wrap_assign
ppl_Int8_Box_tag, 597
ppl_io_asprint_BD_Shape_double
ppl_BD_Shape_double_tag, 88
ppl_io_asprint_BD_Shape_float
ppl_BD_Shape_float_tag, 116
ppl_io_asprint_BD_Shape_int16_t
ppl_BD_Shape_int16_t_tag, 143
ppl_io_asprint_BD_Shape_int32_t
ppl_BD_Shape_int32_t_tag, 171
ppl_io_asprint_BD_Shape_int64_t
ppl_BD_Shape_int64_t_tag, 198
ppl_io_asprint_BD_Shape_int8_t
ppl_BD_Shape_int8_t_tag, 226
ppl_io_asprint_BD_Shape_long_double
ppl_BD_Shape_long_double_tag, 254
ppl_io_asprint_BD_Shape_mpq_class
ppl_BD_Shape_mpq_class_tag, 282
ppl_io_asprint_BD_Shape_mpz_class
ppl_BD_Shape_mpz_class_tag, 311
ppl_io_asprint_Constraints_Product_C_-Polyhedron_Grid
ppl_Constraints_Product_C_Polyhedron_-Grid_tag, 345
ppl_io_asprint_Constraints_Product_Grid_C_-Polyhedron
ppl_Constraints_Product_Grid_C_-Polyhedron_tag, 369
ppl_io_asprint_Constraints_Product_Grid_NNC_-Polyhedron
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 393
ppl_io_asprint_Constraints_Product_NNC_-Polyhedron_Grid
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 418
ppl_io_asprint_Double_Box
ppl_Double_Box_tag, 443
ppl_io_asprint_Float_Box
ppl_Float_Box_tag, 467
ppl_io_asprint_Grid
ppl_Grid_tag, 501
ppl_io_asprint_Int16_Box
ppl_Int16_Box_tag, 526
ppl_io_asprint_Int32_Box
ppl_Int32_Box_tag, 550
ppl_io_asprint_Int64_Box
ppl_Int64_Box_tag, 575
ppl_io_asprint_Int8_Box
ppl_Int8_Box_tag, 599
ppl_io_asprint_Long_Double_Box
ppl_Long_Double_Box_tag, 628
ppl_io_asprint_Octagonal_Shape_double
ppl_Octagonal_Shape_double_tag, 661
ppl_io_asprint_Octagonal_Shape_float
ppl_Octagonal_Shape_float_tag, 689
ppl_io_asprint_Octagonal_Shape_int16_t
ppl_Octagonal_Shape_int16_t_tag, 717
ppl_io_asprint_Octagonal_Shape_int32_t
ppl_Octagonal_Shape_int32_t_tag, 745
ppl_io_asprint_Octagonal_Shape_int64_t
ppl_Octagonal_Shape_int64_t_tag, 773
ppl_io_asprint_Octagonal_Shape_int8_t
ppl_Octagonal_Shape_int8_t_tag, 801
ppl_io_asprint_Octagonal_Shape_long_double
ppl_Octagonal_Shape_long_double_tag, 830
ppl_io_asprint_Octagonal_Shape_mpq_class
ppl_Octagonal_Shape_mpq_class_tag, 860
ppl_io_asprint_Octagonal_Shape_mpz_class
ppl_Octagonal_Shape_mpz_class_tag, 888
ppl_io_asprint_Pointset_Powerset_BD_Shape_-double
ppl_Pointset_Powerset_BD_Shape_double_-tag, 914
ppl_io_asprint_Pointset_Powerset_BD_Shape_-float
ppl_Pointset_Powerset_BD_Shape_float_tag, 933
ppl_io_asprint_Pointset_Powerset_BD_Shape_-int16_t

ppl_Pointset_Powerset_BD_Shape_int16_t_-tag, 951
ppl_io_asprint_Pointset_Powerset_BD_Shape_-int32_t
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 970
ppl_io_asprint_Pointset_Powerset_BD_Shape_-int64_t
ppl_Pointset_Powerset_BD_Shape_int64_t_-tag, 988
ppl_io_asprint_Pointset_Powerset_BD_Shape_-int8_t
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1007
ppl_io_asprint_Pointset_Powerset_BD_Shape_-long_double
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1026
ppl_io_asprint_Pointset_Powerset_BD_Shape_-mpq_class
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1045
ppl_io_asprint_Pointset_Powerset_BD_Shape_-mpz_class
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1063
ppl_io_asprint_Pointset_Powerset_C_Polyhedron
ppl_Pointset_Powerset_C_Polyhedron_tag, 1084
ppl_io_asprint_Pointset_Powerset_Double_Box
ppl_Pointset_Powerset_Double_Box_tag, 1101
ppl_io_asprint_Pointset_Powerset_Float_Box
ppl_Pointset_Powerset_Float_Box_tag, 1118
ppl_io_asprint_Pointset_Powerset_Grid
ppl_Pointset_Powerset_Grid_tag, 1135
ppl_io_asprint_Pointset_Powerset_Int16_Box
ppl_Pointset_Powerset_Int16_Box_tag, 1153
ppl_io_asprint_Pointset_Powerset_Int32_Box
ppl_Pointset_Powerset_Int32_Box_tag, 1170
ppl_io_asprint_Pointset_Powerset_Int64_Box
ppl_Pointset_Powerset_Int64_Box_tag, 1187
ppl_io_asprint_Pointset_Powerset_Int8_Box
ppl_Pointset_Powerset_Int8_Box_tag, 1204
ppl_io_asprint_Pointset_Powerset_Long_Double_-Box
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1221
ppl_io_asprint_Pointset_Powerset_NNC_-Polyhedron
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1240
ppl_io_asprint_Pointset_Powerset_Octagonal_-Shape_double
ppl_Pointset_Powerset_Octagonal_Shape_-double_tag, 1258
ppl_io_asprint_Pointset_Powerset_Octagonal_-Shape_float
ppl_Pointset_Powerset_Octagonal_Shape_-float_tag, 1276
ppl_io_asprint_Pointset_Powerset_Octagonal_-Shape_int16_t
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1295
ppl_io_asprint_Pointset_Powerset_Octagonal_-Shape_int32_t
ppl_Pointset_Powerset_Octagonal_Shape_-int32_t_tag, 1314
ppl_io_asprint_Pointset_Powerset_Octagonal_-Shape_int64_t
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1332
ppl_io_asprint_Pointset_Powerset_Octagonal_-Shape_int8_t
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_tag, 1351
ppl_io_asprint_Pointset_Powerset_Octagonal_-Shape_long_double
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1370
ppl_io_asprint_Pointset_Powerset_Octagonal_-Shape_mpq_class
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_tag, 1389
ppl_io_asprint_Pointset_Powerset_Octagonal_-Shape_mpz_class
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1408
ppl_io_asprint_Pointset_Powerset_Rational_Box
ppl_Pointset_Powerset_Rational_Box_tag, 1426
ppl_io_asprint_Pointset_Powerset_Uint16_Box
ppl_Pointset_Powerset_Uint16_Box_tag, 1443
ppl_io_asprint_Pointset_Powerset_Uint32_Box
ppl_Pointset_Powerset_Uint32_Box_tag, 1461
ppl_io_asprint_Pointset_Powerset_Uint64_Box
ppl_Pointset_Powerset_Uint64_Box_tag, 1478
ppl_io_asprint_Pointset_Powerset_Uint8_Box
ppl_Pointset_Powerset_Uint8_Box_tag, 1495
ppl_io_asprint_Pointset_Powerset_Z_Box
ppl_Pointset_Powerset_Z_Box_tag, 1512
ppl_io_asprint_Polyhedron
ppl_Polyhedron_tag, 1543
ppl_io_asprint_Rational_Box
ppl_Rational_Box_tag, 1593

ppl_io_asprint_Uint16_Box
ppl_Uint16_Box_tag, 1618
ppl_io_asprint_Uint32_Box
ppl_Uint32_Box_tag, 1643
ppl_io_asprint_Uint64_Box
ppl_Uint64_Box_tag, 1668
ppl_io_asprint_Uint8_Box
ppl_Uint8_Box_tag, 1693
ppl_io_asprint_Z_Box
ppl_Z_Box_tag, 1716
ppl_io_fprint_BD_Shape_double
ppl_BD_Shape_double_tag, 88
ppl_io_fprint_BD_Shape_float
ppl_BD_Shape_float_tag, 115
ppl_io_fprint_BD_Shape_int16_t
ppl_BD_Shape_int16_t_tag, 143
ppl_io_fprint_BD_Shape_int32_t
ppl_BD_Shape_int32_t_tag, 171
ppl_io_fprint_BD_Shape_int64_t
ppl_BD_Shape_int64_t_tag, 198
ppl_io_fprint_BD_Shape_int8_t
ppl_BD_Shape_int8_t_tag, 226
ppl_io_fprint_BD_Shape_long_double
ppl_BD_Shape_long_double_tag, 254
ppl_io_fprint_BD_Shape_mpq_class
ppl_BD_Shape_mpq_class_tag, 282
ppl_io_fprint_BD_Shape_mpz_class
ppl_BD_Shape_mpz_class_tag, 311
ppl_io_fprint_Constraints_Product_C_-
Polyhedron_Grid
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 345
ppl_io_fprint_Constraints_Product_Grid_C_-
Polyhedron
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 369
ppl_io_fprint_Constraints_Product_Grid_NNC_-
Polyhedron
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 393
ppl_io_fprint_Constraints_Product_NNC_-
Polyhedron_Grid
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 418
ppl_io_fprint_Double_Box
ppl_Double_Box_tag, 443
ppl_io_fprint_Float_Box
ppl_Float_Box_tag, 467
ppl_io_fprint_Grid
ppl_Grid_tag, 501
ppl_io_fprint_Int16_Box
ppl_Int16_Box_tag, 526
ppl_io_fprint_Int32_Box
ppl_Int32_Box_tag, 550
ppl_io_fprint_Int64_Box
ppl_Int64_Box_tag, 575
ppl_io_fprint_Int8_Box
ppl_Int8_Box_tag, 599
ppl_io_fprint_Long_Double_Box
ppl_Long_Double_Box_tag, 628
ppl_io_fprint_Octagonal_Shape_double
ppl_Octagonal_Shape_double_tag, 661
ppl_io_fprint_Octagonal_Shape_float
ppl_Octagonal_Shape_float_tag, 689
ppl_io_fprint_Octagonal_Shape_int16_t
ppl_Octagonal_Shape_int16_t_tag, 717
ppl_io_fprint_Octagonal_Shape_int32_t
ppl_Octagonal_Shape_int32_t_tag, 745
ppl_io_fprint_Octagonal_Shape_int64_t
ppl_Octagonal_Shape_int64_t_tag, 773
ppl_io_fprint_Octagonal_Shape_int8_t
ppl_Octagonal_Shape_int8_t_tag, 801
ppl_io_fprint_Octagonal_Shape_long_double
ppl_Octagonal_Shape_long_double_tag, 830
ppl_io_fprint_Octagonal_Shape_mpq_class
ppl_Octagonal_Shape_mpq_class_tag, 859
ppl_io_fprint_Octagonal_Shape_mpz_class
ppl_Octagonal_Shape_mpz_class_tag, 888
ppl_io_fprint_Pointset_Powerset_BD_Shape_-
double
ppl_Pointset_Powerset_BD_Shape_double_-
tag, 914
ppl_io_fprint_Pointset_Powerset_BD_Shape_float
ppl_Pointset_Powerset_BD_Shape_float_tag,
933
ppl_io_fprint_Pointset_Powerset_BD_Shape_-
int16_t
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 951
ppl_io_fprint_Pointset_Powerset_BD_Shape_-
int32_t
ppl_Pointset_Powerset_BD_Shape_int32_t_-
tag, 970
ppl_io_fprint_Pointset_Powerset_BD_Shape_-
int64_t
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 988
ppl_io_fprint_Pointset_Powerset_BD_Shape_-
int8_t
ppl_Pointset_Powerset_BD_Shape_int8_t_-
tag, 1007
ppl_io_fprint_Pointset_Powerset_BD_Shape_-
long_double
ppl_Pointset_Powerset_BD_Shape_long_-
double_tag, 1026
ppl_io_fprint_Pointset_Powerset_BD_Shape_-
mpq_class

ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1044
ppl_io_fprint_Pointset_Powerset_BD_Shape_-mpz_class
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1063
ppl_io_fprint_Pointset_Powerset_C_Polyhedron
ppl_Pointset_Powerset_C_Polyhedron_tag, 1084
ppl_io_fprint_Pointset_Powerset_Double_Box
ppl_Pointset_Powerset_Double_Box_tag, 1101
ppl_io_fprint_Pointset_Powerset_Float_Box
ppl_Pointset_Powerset_Float_Box_tag, 1118
ppl_io_fprint_Pointset_Powerset_Grid
ppl_Pointset_Powerset_Grid_tag, 1135
ppl_io_fprint_Pointset_Powerset_Int16_Box
ppl_Pointset_Powerset_Int16_Box_tag, 1152
ppl_io_fprint_Pointset_Powerset_Int32_Box
ppl_Pointset_Powerset_Int32_Box_tag, 1170
ppl_io_fprint_Pointset_Powerset_Int64_Box
ppl_Pointset_Powerset_Int64_Box_tag, 1187
ppl_io_fprint_Pointset_Powerset_Int8_Box
ppl_Pointset_Powerset_Int8_Box_tag, 1203
ppl_io_fprint_Pointset_Powerset_Long_Double_-Box
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1221
ppl_io_fprint_Pointset_Powerset_NNC_-Polyhedron
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1239
ppl_io_fprint_Pointset_Powerset_Octagonal_-Shape_double
ppl_Pointset_Powerset_Octagonal_Shape_-double_tag, 1258
ppl_io_fprint_Pointset_Powerset_Octagonal_-Shape_float
ppl_Pointset_Powerset_Octagonal_Shape_-float_tag, 1276
ppl_io_fprint_Pointset_Powerset_Octagonal_-Shape_int16_t
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1295
ppl_io_fprint_Pointset_Powerset_Octagonal_-Shape_int32_t
ppl_Pointset_Powerset_Octagonal_Shape_-int32_t_tag, 1314
ppl_io_fprint_Pointset_Powerset_Octagonal_-Shape_int64_t
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1332
ppl_io_fprint_Pointset_Powerset_Octagonal_-Shape_int8_t
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_tag, 1351
ppl_io_fprint_Pointset_Powerset_Octagonal_-Shape_long_double
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1370
ppl_io_fprint_Pointset_Powerset_Octagonal_-Shape_mpq_class
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_tag, 1389
ppl_io_fprint_Pointset_Powerset_Octagonal_-Shape_mpz_class
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1408
ppl_io_fprint_Pointset_Powerset_Rational_Box
ppl_Pointset_Powerset_Rational_Box_tag, 1426
ppl_io_fprint_Pointset_Powerset_Uint16_Box
ppl_Pointset_Powerset_Uint16_Box_tag, 1443
ppl_io_fprint_Pointset_Powerset_Uint32_Box
ppl_Pointset_Powerset_Uint32_Box_tag, 1461
ppl_io_fprint_Pointset_Powerset_Uint64_Box
ppl_Pointset_Powerset_Uint64_Box_tag, 1478
ppl_io_fprint_Pointset_Powerset_Uint8_Box
ppl_Pointset_Powerset_Uint8_Box_tag, 1495
ppl_io_fprint_Pointset_Powerset_Z_Box
ppl_Pointset_Powerset_Z_Box_tag, 1512
ppl_io_fprint_Polyhedron
ppl_Polyhedron_tag, 1543
ppl_io_fprint_Rational_Box
ppl_Rational_Box_tag, 1592
ppl_io_fprint_Uint16_Box
ppl_Uint16_Box_tag, 1618
ppl_io_fprint_Uint32_Box
ppl_Uint32_Box_tag, 1643
ppl_io_fprint_Uint64_Box
ppl_Uint64_Box_tag, 1668
ppl_io_fprint_Uint8_Box
ppl_Uint8_Box_tag, 1693
ppl_io_fprint_Z_Box
ppl_Z_Box_tag, 1716
ppl_io_print_BD_Shape_double
ppl_BD_Shape_double_tag, 88
ppl_io_print_BD_Shape_float
ppl_BD_Shape_float_tag, 115
ppl_io_print_BD_Shape_int16_t
ppl_BD_Shape_int16_t_tag, 143
ppl_io_print_BD_Shape_int32_t
ppl_BD_Shape_int32_t_tag, 171
ppl_io_print_BD_Shape_int64_t
ppl_BD_Shape_int64_t_tag, 198

ppl_io_print_BD_Shape_int8_t
ppl_BD_Shape_int8_t_tag, 226
ppl_io_print_BD_Shape_long_double
ppl_BD_Shape_long_double_tag, 254
ppl_io_print_BD_Shape_mpq_class
ppl_BD_Shape_mpq_class_tag, 282
ppl_io_print_BD_Shape_mpz_class
ppl_BD_Shape_mpz_class_tag, 310
ppl_io_print_Constraints_Product_C_Polyhedron_-
Grid
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 345
ppl_io_print_Constraints_Product_Grid_C_-
Polyhedron
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 369
ppl_io_print_Constraints_Product_Grid_NNC_-
Polyhedron
ppl_Constraints_Product_Grid_NNC_-
Polyhedron_tag, 393
ppl_io_print_Constraints_Product_NNC_-
Polyhedron_Grid
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 418
ppl_io_print_Double_Box
ppl_Double_Box_tag, 443
ppl_io_print_Float_Box
ppl_Float_Box_tag, 467
ppl_io_print_Grid
ppl_Grid_tag, 501
ppl_io_print_Int16_Box
ppl_Int16_Box_tag, 526
ppl_io_print_Int32_Box
ppl_Int32_Box_tag, 550
ppl_io_print_Int64_Box
ppl_Int64_Box_tag, 575
ppl_io_print_Int8_Box
ppl_Int8_Box_tag, 599
ppl_io_print_Long_Double_Box
ppl_Long_Double_Box_tag, 628
ppl_io_print_Octagonal_Shape_double
ppl_Octagonal_Shape_double_tag, 661
ppl_io_print_Octagonal_Shape_float
ppl_Octagonal_Shape_float_tag, 688
ppl_io_print_Octagonal_Shape_int16_t
ppl_Octagonal_Shape_int16_t_tag, 717
ppl_io_print_Octagonal_Shape_int32_t
ppl_Octagonal_Shape_int32_t_tag, 745
ppl_io_print_Octagonal_Shape_int64_t
ppl_Octagonal_Shape_int64_t_tag, 773
ppl_io_print_Octagonal_Shape_int8_t
ppl_Octagonal_Shape_int8_t_tag, 801
ppl_io_print_Octagonal_Shape_long_double
ppl_Octagonal_Shape_long_double_tag, 830
ppl_io_print_Octagonal_Shape_mpq_class
ppl_Octagonal_Shape_mpq_class_tag, 859
ppl_io_print_Octagonal_Shape_mpz_class
ppl_Octagonal_Shape_mpz_class_tag, 888
ppl_io_print_Pointset_Powerset_BD_Shape_-
double
ppl_Pointset_Powerset_BD_Shape_double_-
tag, 914
ppl_io_print_Pointset_Powerset_BD_Shape_float
ppl_Pointset_Powerset_BD_Shape_float_tag,
933
ppl_io_print_Pointset_Powerset_BD_Shape_-
int16_t
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 951
ppl_io_print_Pointset_Powerset_BD_Shape_-
int32_t
ppl_Pointset_Powerset_BD_Shape_int32_t_-
tag, 970
ppl_io_print_Pointset_Powerset_BD_Shape_-
int64_t
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 988
ppl_io_print_Pointset_Powerset_BD_Shape_int8_t
ppl_Pointset_Powerset_BD_Shape_int8_t_-
tag, 1007
ppl_io_print_Pointset_Powerset_BD_Shape_-
long_double
ppl_Pointset_Powerset_BD_Shape_long_-
double_tag, 1025
ppl_io_print_Pointset_Powerset_BD_Shape_-
mpq_class
ppl_Pointset_Powerset_BD_Shape_mpq_-
class_tag, 1044
ppl_io_print_Pointset_Powerset_BD_Shape_mpz_-
class
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_tag, 1063
ppl_io_print_Pointset_Powerset_C_Polyhedron
ppl_Pointset_Powerset_C_Polyhedron_tag,
1084
ppl_io_print_Pointset_Powerset_Double_Box
ppl_Pointset_Powerset_Double_Box_tag,
1101
ppl_io_print_Pointset_Powerset_Float_Box
ppl_Pointset_Powerset_Float_Box_tag, 1118
ppl_io_print_Pointset_Powerset_Grid
ppl_Pointset_Powerset_Grid_tag, 1135
ppl_io_print_Pointset_Powerset_Int16_Box
ppl_Pointset_Powerset_Int16_Box_tag, 1152
ppl_io_print_Pointset_Powerset_Int32_Box
ppl_Pointset_Powerset_Int32_Box_tag, 1169
ppl_io_print_Pointset_Powerset_Int64_Box
ppl_Pointset_Powerset_Int64_Box_tag, 1186

ppl_io_print_Pointset_Powerset_Int8_Box
ppl_Pointset_Powerset_Int8_Box_tag, 1203
ppl_io_print_Pointset_Powerset_Long_Double_-
Box
ppl_Pointset_Powerset_Long_Double_Box_-
tag, 1221
ppl_io_print_Pointset_Powerset_NNC_Polyhedron
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1239
ppl_io_print_Pointset_Powerset_Octagonal_-
Shape_double
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1258
ppl_io_print_Pointset_Powerset_Octagonal_-
Shape_float
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1276
ppl_io_print_Pointset_Powerset_Octagonal_-
Shape_int16_t
ppl_Pointset_Powerset_Octagonal_Shape_-
int16_t_tag, 1295
ppl_io_print_Pointset_Powerset_Octagonal_-
Shape_int32_t
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_tag, 1314
ppl_io_print_Pointset_Powerset_Octagonal_-
Shape_int64_t
ppl_Pointset_Powerset_Octagonal_Shape_-
int64_t_tag, 1332
ppl_io_print_Pointset_Powerset_Octagonal_-
Shape_int8_t
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_tag, 1351
ppl_io_print_Pointset_Powerset_Octagonal_-
Shape_long_double
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_tag, 1370
ppl_io_print_Pointset_Powerset_Octagonal_-
Shape_mpq_class
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_tag, 1389
ppl_io_print_Pointset_Powerset_Octagonal_-
Shape_mpz_class
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_tag, 1408
ppl_io_print_Pointset_Powerset_Rational_Box
ppl_Pointset_Powerset_Rational_Box_tag,
1426
ppl_io_print_Pointset_Powerset_Uint16_Box
ppl_Pointset_Powerset_Uint16_Box_tag,
1443
ppl_io_print_Pointset_Powerset_Uint32_Box
ppl_Pointset_Powerset_Uint32_Box_tag,
1461
ppl_io_print_Pointset_Powerset_Uint64_Box
ppl_Pointset_Powerset_Uint64_Box_tag,
1478
ppl_io_print_Pointset_Powerset_Uint8_Box
ppl_Pointset_Powerset_Uint8_Box_tag, 1495
ppl_io_print_Pointset_Powerset_Z_Box
ppl_Pointset_Powerset_Z_Box_tag, 1512
ppl_io_print_Polyhedron
ppl_Polyhedron_tag, 1543
ppl_io_print_Rational_Box
ppl_Rational_Box_tag, 1592
ppl_io_print_Uint16_Box
ppl_Uint16_Box_tag, 1618
ppl_io_print_Uint32_Box
ppl_Uint32_Box_tag, 1643
ppl_io_print_Uint64_Box
ppl_Uint64_Box_tag, 1668
ppl_io_print_Uint8_Box
ppl_Uint8_Box_tag, 1693
ppl_io_print_Z_Box
ppl_Z_Box_tag, 1716
ppl_io_variable_output_function_type
Datatypes, 57
ppl_io_wrap_string
Datatypes, 59
ppl_Linear_Expression_tag, 600
ppl_Long_Double_Box_add_congruence
ppl_Long_Double_Box_tag, 621
ppl_Long_Double_Box_add_congruences
ppl_Long_Double_Box_tag, 621
ppl_Long_Double_Box_add_constraint
ppl_Long_Double_Box_tag, 621
ppl_Long_Double_Box_add_constraints
ppl_Long_Double_Box_tag, 621
ppl_Long_Double_Box_add_recycled_-
congruences
ppl_Long_Double_Box_tag, 626
ppl_Long_Double_Box_add_recycled_constraints
ppl_Long_Double_Box_tag, 626
ppl_Long_Double_Box_add_space_dimensions_-
and_embed
ppl_Long_Double_Box_tag, 624
ppl_Long_Double_Box_add_space_dimensions_-
and_project
ppl_Long_Double_Box_tag, 624
ppl_Long_Double_Box_affine_dimension
ppl_Long_Double_Box_tag, 618
ppl_Long_Double_Box_affine_image
ppl_Long_Double_Box_tag, 623
ppl_Long_Double_Box_affine_preimage
ppl_Long_Double_Box_tag, 623
ppl_Long_Double_Box_ascii_dump
ppl_Long_Double_Box_tag, 628
ppl_Long_Double_Box_ascii_load

ppl_Long_Double_Box_tag, 628
ppl_Long_Double_Box_bounded_affine_image
ppl_Long_Double_Box_tag, 623
ppl_Long_Double_Box_bounded_affine_preimage
ppl_Long_Double_Box_tag, 623
ppl_Long_Double_Box_bounds_from_above
ppl_Long_Double_Box_tag, 619
ppl_Long_Double_Box_bounds_from_below
ppl_Long_Double_Box_tag, 619
ppl_Long_Double_Box_CC76_widening_assign
ppl_Long_Double_Box_tag, 625
ppl_Long_Double_Box_CC76_widening_assign_-
with_tokens
ppl_Long_Double_Box_tag, 625
ppl_Long_Double_Box_concatenate_assign
ppl_Long_Double_Box_tag, 622
ppl_Long_Double_Box_constrains
ppl_Long_Double_Box_tag, 622
ppl_Long_Double_Box_contains_integer_point
ppl_Long_Double_Box_tag, 619
ppl_Long_Double_Box_contains_Long_Double_-
Box
ppl_Long_Double_Box_tag, 620
ppl_Long_Double_Box_difference_assign
ppl_Long_Double_Box_tag, 622
ppl_Long_Double_Box_drop_some_non_integer_-
points
ppl_Long_Double_Box_tag, 624
ppl_Long_Double_Box_drop_some_non_integer_-
points_2
ppl_Long_Double_Box_tag, 625
ppl_Long_Double_Box_equals_Long_Double_-
Box
ppl_Long_Double_Box_tag, 621
ppl_Long_Double_Box_expand_space_dimension
ppl_Long_Double_Box_tag, 624
ppl_Long_Double_Box_external_memory_in_-
bytes
ppl_Long_Double_Box_tag, 625
ppl_Long_Double_Box_fold_space_dimensions
ppl_Long_Double_Box_tag, 624
ppl_Long_Double_Box_frequency
ppl_Long_Double_Box_tag, 620
ppl_Long_Double_Box_generalized_affine_image
ppl_Long_Double_Box_tag, 623
ppl_Long_Double_Box_generalized_affine_-
image_lhs_rhs
ppl_Long_Double_Box_tag, 623
ppl_Long_Double_Box_generalized_affine_-
preimage
ppl_Long_Double_Box_tag, 623
ppl_Long_Double_Box_generalized_affine_-
preimage_lhs_rhs
ppl_Long_Double_Box_tag, 624
ppl_Long_Double_Box_get_congruences
ppl_Long_Double_Box_tag, 618
ppl_Long_Double_Box_get_constraints
ppl_Long_Double_Box_tag, 618
ppl_Long_Double_Box_get_minimized_-
congruences
ppl_Long_Double_Box_tag, 619
ppl_Long_Double_Box_get_minimized_-
constraints
ppl_Long_Double_Box_tag, 618
ppl_Long_Double_Box_intersection_assign
ppl_Long_Double_Box_tag, 622
ppl_Long_Double_Box_is_bounded
ppl_Long_Double_Box_tag, 619
ppl_Long_Double_Box_is_discrete
ppl_Long_Double_Box_tag, 619
ppl_Long_Double_Box_is_disjoint_from_Long_-
Double_Box
ppl_Long_Double_Box_tag, 620
ppl_Long_Double_Box_is_empty
ppl_Long_Double_Box_tag, 619
ppl_Long_Double_Box_is_topologically_closed
ppl_Long_Double_Box_tag, 619
ppl_Long_Double_Box_is_universe
ppl_Long_Double_Box_tag, 619
ppl_Long_Double_Box_limited_CC76_-
extrapolation_assign
ppl_Long_Double_Box_tag, 625
ppl_Long_Double_Box_limited_CC76_-
extrapolation_assign_with_tokens
ppl_Long_Double_Box_tag, 625
ppl_Long_Double_Box_linear_partition
ppl_Long_Double_Box_tag, 626
ppl_Long_Double_Box_map_space_dimensions
ppl_Long_Double_Box_tag, 624
ppl_Long_Double_Box_maximize
ppl_Long_Double_Box_tag, 620
ppl_Long_Double_Box_maximize_with_point
ppl_Long_Double_Box_tag, 620
ppl_Long_Double_Box_minimize
ppl_Long_Double_Box_tag, 620
ppl_Long_Double_Box_minimize_with_point
ppl_Long_Double_Box_tag, 620
ppl_Long_Double_Box_OK
ppl_Long_Double_Box_tag, 621
ppl_Long_Double_Box_refine_with_congruence
ppl_Long_Double_Box_tag, 621
ppl_Long_Double_Box_refine_with_congruences
ppl_Long_Double_Box_tag, 621
ppl_Long_Double_Box_refine_with_constraint
ppl_Long_Double_Box_tag, 621
ppl_Long_Double_Box_refine_with_constraints
ppl_Long_Double_Box_tag, 621
ppl_Long_Double_Box_relation_with_Congruence

ppl_Long_Double_Box_tag, 618
ppl_Long_Double_Box_relation_with_Constraint
ppl_Long_Double_Box_tag, 618
ppl_Long_Double_Box_relation_with_Generator
ppl_Long_Double_Box_tag, 618
ppl_Long_Double_Box_remove_higher_space_-dimensions
ppl_Long_Double_Box_tag, 624
ppl_Long_Double_Box_remove_space_-dimensions
ppl_Long_Double_Box_tag, 624
ppl_Long_Double_Box_simplify_using_context_-assign
ppl_Long_Double_Box_tag, 622
ppl_Long_Double_Box_space_dimension
ppl_Long_Double_Box_tag, 618
ppl_Long_Double_Box_strictly_contains_Long_-Double_Box
ppl_Long_Double_Box_tag, 620
ppl_Long_Double_Box_tag, 602
ppl_all_affine_ranking_functions_MS_Long_-Double_Box, 627
ppl_all_affine_ranking_functions_MS_Long_-Double_Box_2, 628
ppl_all_affine_ranking_functions_PR_Long_-Double_Box, 627
ppl_all_affine_ranking_functions_PR_Long_-Double_Box_2, 628
ppl_assign_Long_Double_Box_from_Long_-Double_Box, 626
ppl_delete_Long_Double_Box, 609
ppl_io_asprint_Long_Double_Box, 628
ppl_io_fprint_Long_Double_Box, 628
ppl_io_print_Long_Double_Box, 628
ppl_Long_Double_Box_add_congruence, 621
ppl_Long_Double_Box_add_congruences, 621
ppl_Long_Double_Box_add_constraint, 621
ppl_Long_Double_Box_add_constraints, 621
ppl_Long_Double_Box_add_recycled_-congruences, 626
ppl_Long_Double_Box_add_recycled_-constraints, 626
ppl_Long_Double_Box_add_space_-dimensions_and_embed, 624
ppl_Long_Double_Box_add_space_-dimensions_and_project, 624
ppl_Long_Double_Box_affine_dimension, 618
ppl_Long_Double_Box_affine_image, 623
ppl_Long_Double_Box_affine_preimage, 623
ppl_Long_Double_Box_ascii_dump, 628
ppl_Long_Double_Box_ascii_load, 628
ppl_Long_Double_Box_bounded_affine_-image, 623
ppl_Long_Double_Box_bounded_affine_-preimage, 623
ppl_Long_Double_Box_bounds_from_above, 619
ppl_Long_Double_Box_bounds_from_below, 619
ppl_Long_Double_Box_CC76_widening_-assign, 625
ppl_Long_Double_Box_CC76_widening_-assign_with_tokens, 625
ppl_Long_Double_Box_concatenate_assign, 622
ppl_Long_Double_Box_constrains, 622
ppl_Long_Double_Box_contains_integer_-point, 619
ppl_Long_Double_Box_contains_Long_-Double_Box, 620
ppl_Long_Double_Box_difference_assign, 622
ppl_Long_Double_Box_drop_some_non_-integer_points, 624
ppl_Long_Double_Box_drop_some_non_-integer_points_2, 625
ppl_Long_Double_Box_equals_Long_-Double_Box, 621
ppl_Long_Double_Box_expand_space_-dimension, 624
ppl_Long_Double_Box_external_memory_-in_bytes, 625
ppl_Long_Double_Box_fold_space_-dimensions, 624
ppl_Long_Double_Box_frequency, 620
ppl_Long_Double_Box_generalized_affine_-image, 623
ppl_Long_Double_Box_generalized_affine_-image_lhs_rhs, 623
ppl_Long_Double_Box_generalized_affine_-preimage, 623
ppl_Long_Double_Box_generalized_affine_-preimage_lhs_rhs, 624
ppl_Long_Double_Box_get_congruences, 618
ppl_Long_Double_Box_get_constraints, 618
ppl_Long_Double_Box_get_minimized_-congruences, 619
ppl_Long_Double_Box_get_minimized_-constraints, 618
ppl_Long_Double_Box_intersection_assign, 622
ppl_Long_Double_Box_is_bounded, 619
ppl_Long_Double_Box_is_discrete, 619
ppl_Long_Double_Box_is_disjoint_from_-Long_Double_Box, 620

ppl_Long_Double_Box_is_empty, 619
ppl_Long_Double_Box_is_topologically_-closed, 619
ppl_Long_Double_Box_is_universe, 619
ppl_Long_Double_Box_limited_CC76_-extrapolation_assign, 625
ppl_Long_Double_Box_limited_CC76_-extrapolation_assign_with_tokens, 625
ppl_Long_Double_Box_linear_partition, 626
ppl_Long_Double_Box_map_space_-dimensions, 624
ppl_Long_Double_Box_maximize, 620
ppl_Long_Double_Box_maximize_with_-point, 620
ppl_Long_Double_Box_minimize, 620
ppl_Long_Double_Box_minimize_with_-point, 620
ppl_Long_Double_Box_OK, 621
ppl_Long_Double_Box_refine_with_-congruence, 621
ppl_Long_Double_Box_refine_with_-congruences, 621
ppl_Long_Double_Box_refine_with_-constraint, 621
ppl_Long_Double_Box_refine_with_-constraints, 621
ppl_Long_Double_Box_relation_with_-Congruence, 618
ppl_Long_Double_Box_relation_with_-Constraint, 618
ppl_Long_Double_Box_relation_with_-Generator, 618
ppl_Long_Double_Box_remove_higher_-space_dimensions, 624
ppl_Long_Double_Box_remove_space_-dimensions, 624
ppl_Long_Double_Box_simplify_using_-context_assign, 622
ppl_Long_Double_Box_space_dimension, 618
ppl_Long_Double_Box_strictly_contains_-Long_Double_Box, 620
ppl_Long_Double_Box_time_elapse_assign, 622
ppl_Long_Double_Box_topological_closure_-assign, 619
ppl_Long_Double_Box_total_memory_in_-bytes, 625
ppl_Long_Double_Box_unconstrain_space_-dimension, 622
ppl_Long_Double_Box_unconstrain_space_-dimensions, 623
ppl_Long_Double_Box_upper_bound_assign, 622
ppl_Long_Double_Box_upper_bound_-assign_if_exact, 622
ppl_Long_Double_Box_widening_assign, 625
ppl_Long_Double_Box_widening_assign_-with_tokens, 625
ppl_Long_Double_Box_wrap_assign, 626
ppl_new_Long_Double_Box_from_BD_-Shape_double, 612
ppl_new_Long_Double_Box_from_BD_-Shape_double_with_complexity, 617
ppl_new_Long_Double_Box_from_BD_-Shape_float, 612
ppl_new_Long_Double_Box_from_BD_-Shape_float_with_complexity, 616
ppl_new_Long_Double_Box_from_BD_-Shape_int16_t, 610
ppl_new_Long_Double_Box_from_BD_-Shape_int16_t_with_complexity, 614
ppl_new_Long_Double_Box_from_BD_-Shape_int32_t, 610
ppl_new_Long_Double_Box_from_BD_-Shape_int32_t_with_complexity, 615
ppl_new_Long_Double_Box_from_BD_-Shape_int64_t, 611
ppl_new_Long_Double_Box_from_BD_-Shape_int64_t_with_complexity, 615
ppl_new_Long_Double_Box_from_BD_-Shape_int8_t, 610
ppl_new_Long_Double_Box_from_BD_-Shape_int8_t_with_complexity, 614
ppl_new_Long_Double_Box_from_BD_-Shape_long_double, 613
ppl_new_Long_Double_Box_from_BD_-Shape_long_double_with_complexity, 617
ppl_new_Long_Double_Box_from_BD_-Shape_mpq_class, 611
ppl_new_Long_Double_Box_from_BD_-Shape_mpq_class_with_complexity, 615
ppl_new_Long_Double_Box_from_BD_-Shape_mpz_class, 611
ppl_new_Long_Double_Box_from_BD_-Shape_mpz_class_with_complexity, 615
ppl_new_Long_Double_Box_from_C_-Polyhedron, 612
ppl_new_Long_Double_Box_from_C_-Polyhedron_with_complexity, 616
ppl_new_Long_Double_Box_from_-Congruence_System, 617
ppl_new_Long_Double_Box_from_-Constraint_System, 617
ppl_new_Long_Double_Box_from_Double_-

Box, 612
ppl_new_Long_Double_Box_from_Double_-Box_with_complexity, 617
ppl_new_Long_Double_Box_from_Float_-Box, 612
ppl_new_Long_Double_Box_from_Float_-Box_with_complexity, 616
ppl_new_Long_Double_Box_from_-Generator_System, 618
ppl_new_Long_Double_Box_from_Grid, 612
ppl_new_Long_Double_Box_from_Grid_-with_complexity, 616
ppl_new_Long_Double_Box_from_Int16_-Box, 609
ppl_new_Long_Double_Box_from_Int16_-Box_with_complexity, 613
ppl_new_Long_Double_Box_from_Int32_-Box, 609
ppl_new_Long_Double_Box_from_Int32_-Box_with_complexity, 613
ppl_new_Long_Double_Box_from_Int64_-Box, 609
ppl_new_Long_Double_Box_from_Int64_-Box_with_complexity, 613
ppl_new_Long_Double_Box_from_Int8_Box, 609
ppl_new_Long_Double_Box_from_Int8_-Box_with_complexity, 613
ppl_new_Long_Double_Box_from_Long_-Double_Box, 613
ppl_new_Long_Double_Box_from_Long_-Double_Box_with_complexity, 617
ppl_new_Long_Double_Box_from_NNC_-Polyhedron, 612
ppl_new_Long_Double_Box_from_NNC_-Polyhedron_with_complexity, 616
ppl_new_Long_Double_Box_from_-Octagonal_Shape_double, 613
ppl_new_Long_Double_Box_from_-Octagonal_Shape_double_with_-complexity, 617
ppl_new_Long_Double_Box_from_-Octagonal_Shape_float, 612
ppl_new_Long_Double_Box_from_-Octagonal_Shape_float_with_-complexity, 616
ppl_new_Long_Double_Box_from_-Octagonal_Shape_int16_t, 611
ppl_new_Long_Double_Box_from_-Octagonal_Shape_int16_t_with_-complexity, 615
ppl_new_Long_Double_Box_from_-Octagonal_Shape_int32_t, 611
ppl_new_Long_Double_Box_from_-Octagonal_Shape_int32_t_with_-complexity, 615
ppl_new_Long_Double_Box_from_-Octagonal_Shape_int64_t, 611
ppl_new_Long_Double_Box_from_-Octagonal_Shape_int64_t_with_-complexity, 615
ppl_new_Long_Double_Box_from_-Octagonal_Shape_int8_t, 611
ppl_new_Long_Double_Box_from_-Octagonal_Shape_int8_t_with_-complexity, 615
ppl_new_Long_Double_Box_from_-Octagonal_Shape_long_double, 613
ppl_new_Long_Double_Box_from_-Octagonal_Shape_long_double_with_-complexity, 617
ppl_new_Long_Double_Box_from_-Octagonal_Shape_mpq_class, 612
ppl_new_Long_Double_Box_from_-Octagonal_Shape_mpq_class_with_-complexity, 616
ppl_new_Long_Double_Box_from_-Octagonal_Shape_mpz_class, 611
ppl_new_Long_Double_Box_from_-Octagonal_Shape_mpz_class_with_-complexity, 616
ppl_new_Long_Double_Box_from_-Rational_Box, 610
ppl_new_Long_Double_Box_from_-Rational_Box_with_complexity, 614
ppl_new_Long_Double_Box_from_space_-dimension, 609
ppl_new_Long_Double_Box_from_Uint16_-Box, 610
ppl_new_Long_Double_Box_from_Uint16_-Box_with_complexity, 614
ppl_new_Long_Double_Box_from_Uint32_-Box, 610
ppl_new_Long_Double_Box_from_Uint32_-Box_with_complexity, 614
ppl_new_Long_Double_Box_from_Uint64_-Box, 610
ppl_new_Long_Double_Box_from_Uint64_-Box_with_complexity, 614
ppl_new_Long_Double_Box_from_Uint8_-Box, 610
ppl_new_Long_Double_Box_from_Uint8_-Box_with_complexity, 614
ppl_new_Long_Double_Box_from_Z_Box, 610
ppl_new_Long_Double_Box_from_Z_Box_-with_complexity, 614
ppl_new_Long_Double_Box_recycle_-

Congruence_System, 626
ppl_new_Long_Double_Box_recycle_-Constraint_System, 626
ppl_new_Long_Double_Box_recycle_-Generator_System, 626
ppl_one_affine_ranking_function_MS_-Long_Double_Box, 627
ppl_one_affine_ranking_function_MS_-Long_Double_Box_2, 627
ppl_one_affine_ranking_function_PR_Long_-Double_Box, 627
ppl_one_affine_ranking_function_PR_Long_-Double_Box_2, 628
ppl_termination_test_MS_Long_Double_Box, 627
ppl_termination_test_MS_Long_Double_-Box_2, 627
ppl_termination_test_PR_Long_Double_Box, 627
ppl_termination_test_PR_Long_Double_-Box_2, 627
ppl_Long_Double_Box_time_elapse_assign
ppl_Long_Double_Box_tag, 622
ppl_Long_Double_Box_topological_closure_-assign
ppl_Long_Double_Box_tag, 619
ppl_Long_Double_Box_total_memory_in_bytes
ppl_Long_Double_Box_tag, 625
ppl_Long_Double_Box_unconstrain_space_-dimension
ppl_Long_Double_Box_tag, 622
ppl_Long_Double_Box_unconstrain_space_-dimensions
ppl_Long_Double_Box_tag, 623
ppl_Long_Double_Box_upper_bound_assign
ppl_Long_Double_Box_tag, 622
ppl_Long_Double_Box_upper_bound_assign_if_-exact
ppl_Long_Double_Box_tag, 622
ppl_Long_Double_Box_widening_assign
ppl_Long_Double_Box_tag, 625
ppl_Long_Double_Box_widening_assign_with_-tokens
ppl_Long_Double_Box_tag, 625
ppl_Long_Double_Box_wrap_assign
ppl_Long_Double_Box_tag, 626
ppl_MIP_Problem_evaluate_objective_function
ppl_MIP_Problem_tag, 632
ppl_MIP_Problem_optimal_value
ppl_MIP_Problem_tag, 633
ppl_MIP_Problem_solve
ppl_MIP_Problem_tag, 632
ppl_MIP_Problem_tag, 629
ppl_MIP_Problem_evaluate_objective_-function, 632
ppl_MIP_Problem_optimal_value, 633
ppl_MIP_Problem_solve, 632
ppl_new_BD_Shape_double_from_BD_Shape_-double
ppl_BD_Shape_double_tag, 72
ppl_new_BD_Shape_double_from_BD_Shape_-double_with_complexity
ppl_BD_Shape_double_tag, 76
ppl_new_BD_Shape_double_from_BD_Shape_-float
ppl_BD_Shape_double_tag, 72
ppl_new_BD_Shape_double_from_BD_Shape_-float_with_complexity
ppl_BD_Shape_double_tag, 76
ppl_new_BD_Shape_double_from_BD_Shape_-int16_t
ppl_BD_Shape_double_tag, 70
ppl_new_BD_Shape_double_from_BD_Shape_-int16_t_with_complexity
ppl_BD_Shape_double_tag, 74
ppl_new_BD_Shape_double_from_BD_Shape_-int32_t
ppl_BD_Shape_double_tag, 70
ppl_new_BD_Shape_double_from_BD_Shape_-int32_t_with_complexity
ppl_BD_Shape_double_tag, 74
ppl_new_BD_Shape_double_from_BD_Shape_-int64_t
ppl_BD_Shape_double_tag, 70
ppl_new_BD_Shape_double_from_BD_Shape_-int64_t_with_complexity
ppl_BD_Shape_double_tag, 74
ppl_new_BD_Shape_double_from_BD_Shape_-int8_t
ppl_BD_Shape_double_tag, 70
ppl_new_BD_Shape_double_from_BD_Shape_-int8_t_with_complexity
ppl_BD_Shape_double_tag, 74
ppl_new_BD_Shape_double_from_BD_Shape_-long_double
ppl_BD_Shape_double_tag, 72
ppl_new_BD_Shape_double_from_BD_Shape_-long_double_with_complexity
ppl_BD_Shape_double_tag, 76
ppl_new_BD_Shape_double_from_BD_Shape_-mpq_class
ppl_BD_Shape_double_tag, 70
ppl_new_BD_Shape_double_from_BD_Shape_-mpq_class_with_complexity
ppl_BD_Shape_double_tag, 74
ppl_new_BD_Shape_double_from_BD_Shape_-mpz_class

ppl_BD_Shape_double_tag, 70
ppl_new_BD_Shape_double_from_BD_Shape_-mpz_class_with_complexity
ppl_BD_Shape_double_tag, 74
ppl_new_BD_Shape_double_from_C_Polyhedron
ppl_BD_Shape_double_tag, 71
ppl_new_BD_Shape_double_from_C_-Polyhedron_with_complexity
ppl_BD_Shape_double_tag, 75
ppl_new_BD_Shape_double_from_Congruence_-System
ppl_BD_Shape_double_tag, 77
ppl_new_BD_Shape_double_from_Constraint_-System
ppl_BD_Shape_double_tag, 77
ppl_new_BD_Shape_double_from_Double_Box
ppl_BD_Shape_double_tag, 72
ppl_new_BD_Shape_double_from_Double_Box_-with_complexity
ppl_BD_Shape_double_tag, 76
ppl_new_BD_Shape_double_from_Float_Box
ppl_BD_Shape_double_tag, 71
ppl_new_BD_Shape_double_from_Float_Box_-with_complexity
ppl_BD_Shape_double_tag, 76
ppl_new_BD_Shape_double_from_Generator_-System
ppl_BD_Shape_double_tag, 77
ppl_new_BD_Shape_double_from_Grid
ppl_BD_Shape_double_tag, 71
ppl_new_BD_Shape_double_from_Grid_with_-complexity
ppl_BD_Shape_double_tag, 75
ppl_new_BD_Shape_double_from_Int16_Box
ppl_BD_Shape_double_tag, 69
ppl_new_BD_Shape_double_from_Int16_Box_-with_complexity
ppl_BD_Shape_double_tag, 73
ppl_new_BD_Shape_double_from_Int32_Box
ppl_BD_Shape_double_tag, 69
ppl_new_BD_Shape_double_from_Int32_Box_-with_complexity
ppl_BD_Shape_double_tag, 73
ppl_new_BD_Shape_double_from_Int64_Box
ppl_BD_Shape_double_tag, 69
ppl_new_BD_Shape_double_from_Int64_Box_-with_complexity
ppl_BD_Shape_double_tag, 73
ppl_new_BD_Shape_double_from_Int8_Box
ppl_BD_Shape_double_tag, 69
ppl_new_BD_Shape_double_from_Int8_Box_-with_complexity
ppl_BD_Shape_double_tag, 72
ppl_new_BD_Shape_double_from_Long_-Double_Box
ppl_BD_Shape_double_tag, 72
ppl_new_BD_Shape_double_from_Long_-Double_Box_with_complexity
ppl_BD_Shape_double_tag, 76
ppl_new_BD_Shape_double_from_NNC_-Polyhedron
ppl_BD_Shape_double_tag, 71
ppl_new_BD_Shape_double_from_NNC_-Polyhedron_with_complexity
ppl_BD_Shape_double_tag, 75
ppl_new_BD_Shape_double_from_Octagonal_-Shape_double
ppl_BD_Shape_double_tag, 72
ppl_new_BD_Shape_double_from_Octagonal_-Shape_double_with_complexity
ppl_BD_Shape_double_tag, 76
ppl_new_BD_Shape_double_from_Octagonal_-Shape_float
ppl_BD_Shape_double_tag, 72
ppl_new_BD_Shape_double_from_Octagonal_-Shape_float_with_complexity
ppl_BD_Shape_double_tag, 76
ppl_new_BD_Shape_double_from_Octagonal_-Shape_int16_t
ppl_BD_Shape_double_tag, 70
ppl_new_BD_Shape_double_from_Octagonal_-Shape_int16_t_with_complexity
ppl_BD_Shape_double_tag, 75
ppl_new_BD_Shape_double_from_Octagonal_-Shape_int32_t
ppl_BD_Shape_double_tag, 71
ppl_new_BD_Shape_double_from_Octagonal_-Shape_int32_t_with_complexity
ppl_BD_Shape_double_tag, 75
ppl_new_BD_Shape_double_from_Octagonal_-Shape_int64_t
ppl_BD_Shape_double_tag, 71
ppl_new_BD_Shape_double_from_Octagonal_-Shape_int64_t_with_complexity
ppl_BD_Shape_double_tag, 75
ppl_new_BD_Shape_double_from_Octagonal_-Shape_int8_t
ppl_BD_Shape_double_tag, 70
ppl_new_BD_Shape_double_from_Octagonal_-Shape_int8_t_with_complexity
ppl_BD_Shape_double_tag, 74
ppl_new_BD_Shape_double_from_Octagonal_-Shape_long_double
ppl_BD_Shape_double_tag, 72
ppl_new_BD_Shape_double_from_Octagonal_-Shape_long_double_with_complexity
ppl_BD_Shape_double_tag, 77

ppl_new_BD_Shape_double_from_Octagonal_-Shape_mpq_class
ppl_BD_Shape_double_tag, 71
ppl_new_BD_Shape_double_from_Octagonal_-Shape_mpq_class_with_complexity
ppl_BD_Shape_double_tag, 75
ppl_new_BD_Shape_double_from_Octagonal_-Shape_mpz_class
ppl_BD_Shape_double_tag, 71
ppl_new_BD_Shape_double_from_Octagonal_-Shape_mpz_class_with_complexity
ppl_BD_Shape_double_tag, 75
ppl_new_BD_Shape_double_from_Rational_Box
ppl_BD_Shape_double_tag, 70
ppl_new_BD_Shape_double_from_Rational_-Box_with_complexity
ppl_BD_Shape_double_tag, 74
ppl_new_BD_Shape_double_from_space_-dimension
ppl_BD_Shape_double_tag, 68
ppl_new_BD_Shape_double_from_Uint16_Box
ppl_BD_Shape_double_tag, 69
ppl_new_BD_Shape_double_from_Uint16_Box_-with_complexity
ppl_BD_Shape_double_tag, 73
ppl_new_BD_Shape_double_from_Uint32_Box
ppl_BD_Shape_double_tag, 69
ppl_new_BD_Shape_double_from_Uint32_Box_-with_complexity
ppl_BD_Shape_double_tag, 73
ppl_new_BD_Shape_double_from_Uint64_Box
ppl_BD_Shape_double_tag, 69
ppl_new_BD_Shape_double_from_Uint64_Box_-with_complexity
ppl_BD_Shape_double_tag, 73
ppl_new_BD_Shape_double_from_Uint8_Box
ppl_BD_Shape_double_tag, 69
ppl_new_BD_Shape_double_from_Uint8_Box_-with_complexity
ppl_BD_Shape_double_tag, 73
ppl_new_BD_Shape_double_from_Z_Box
ppl_BD_Shape_double_tag, 69
ppl_new_BD_Shape_double_from_Z_Box_with_-complexity
ppl_BD_Shape_double_tag, 73
ppl_new_BD_Shape_double_recycle_-Congruence_System
ppl_BD_Shape_double_tag, 86
ppl_new_BD_Shape_double_recycle_Constraint_-System
ppl_BD_Shape_double_tag, 86
ppl_new_BD_Shape_double_recycle_Generator_-System
ppl_BD_Shape_double_tag, 86
ppl_new_BD_Shape_float_from_BD_Shape_-double
ppl_BD_Shape_float_tag, 99
ppl_new_BD_Shape_float_from_BD_Shape_-double_with_complexity
ppl_BD_Shape_float_tag, 103
ppl_new_BD_Shape_float_from_BD_Shape_float
ppl_BD_Shape_float_tag, 99
ppl_new_BD_Shape_float_from_BD_Shape_-float_with_complexity
ppl_BD_Shape_float_tag, 103
ppl_new_BD_Shape_float_from_BD_Shape_-int16_t
ppl_BD_Shape_float_tag, 97
ppl_new_BD_Shape_float_from_BD_Shape_-int16_t_with_complexity
ppl_BD_Shape_float_tag, 101
ppl_new_BD_Shape_float_from_BD_Shape_-int32_t
ppl_BD_Shape_float_tag, 97
ppl_new_BD_Shape_float_from_BD_Shape_-int32_t_with_complexity
ppl_BD_Shape_float_tag, 101
ppl_new_BD_Shape_float_from_BD_Shape_-int64_t
ppl_BD_Shape_float_tag, 97
ppl_new_BD_Shape_float_from_BD_Shape_-int64_t_with_complexity
ppl_BD_Shape_float_tag, 101
ppl_new_BD_Shape_float_from_BD_Shape_int8_t
ppl_BD_Shape_float_tag, 97
ppl_new_BD_Shape_float_from_BD_Shape_int8_-t_with_complexity
ppl_BD_Shape_float_tag, 101
ppl_new_BD_Shape_float_from_BD_Shape_-long_double
ppl_BD_Shape_float_tag, 100
ppl_new_BD_Shape_float_from_BD_Shape_-long_double_with_complexity
ppl_BD_Shape_float_tag, 104
ppl_new_BD_Shape_float_from_BD_Shape_-mpq_class
ppl_BD_Shape_float_tag, 98
ppl_new_BD_Shape_float_from_BD_Shape_-mpq_class_with_complexity
ppl_BD_Shape_float_tag, 102
ppl_new_BD_Shape_float_from_BD_Shape_-mpz_class
ppl_BD_Shape_float_tag, 98
ppl_new_BD_Shape_float_from_BD_Shape_-mpz_class_with_complexity
ppl_BD_Shape_float_tag, 101
ppl_new_BD_Shape_float_from_C_Polyhedron
ppl_BD_Shape_float_tag, 98

ppl_new_BD_Shape_float_from_C_Polyhedron_-
with_complexity
ppl_BD_Shape_float_tag, 102
ppl_new_BD_Shape_float_from_Congruence_-
System
ppl_BD_Shape_float_tag, 104
ppl_new_BD_Shape_float_from_Constraint_-
System
ppl_BD_Shape_float_tag, 104
ppl_new_BD_Shape_float_from_Double_Box
ppl_BD_Shape_float_tag, 99
ppl_new_BD_Shape_float_from_Double_Box_-
with_complexity
ppl_BD_Shape_float_tag, 103
ppl_new_BD_Shape_float_from_Float_Box
ppl_BD_Shape_float_tag, 99
ppl_new_BD_Shape_float_from_Float_Box_-
with_complexity
ppl_BD_Shape_float_tag, 103
ppl_new_BD_Shape_float_from_Generator_-
System
ppl_BD_Shape_float_tag, 104
ppl_new_BD_Shape_float_from_Grid
ppl_BD_Shape_float_tag, 99
ppl_new_BD_Shape_float_from_Grid_with_-
complexity
ppl_BD_Shape_float_tag, 103
ppl_new_BD_Shape_float_from_Int16_Box
ppl_BD_Shape_float_tag, 96
ppl_new_BD_Shape_float_from_Int16_Box_-
with_complexity
ppl_BD_Shape_float_tag, 100
ppl_new_BD_Shape_float_from_Int32_Box
ppl_BD_Shape_float_tag, 96
ppl_new_BD_Shape_float_from_Int32_Box_-
with_complexity
ppl_BD_Shape_float_tag, 100
ppl_new_BD_Shape_float_from_Int64_Box
ppl_BD_Shape_float_tag, 96
ppl_new_BD_Shape_float_from_Int64_Box_-
with_complexity
ppl_BD_Shape_float_tag, 100
ppl_new_BD_Shape_float_from_Int8_Box
ppl_BD_Shape_float_tag, 96
ppl_new_BD_Shape_float_from_Int8_Box_with_-
complexity
ppl_BD_Shape_float_tag, 100
ppl_new_BD_Shape_float_from_Long_Double_-
Box
ppl_BD_Shape_float_tag, 99
ppl_new_BD_Shape_float_from_Long_Double_-
Box_with_complexity
ppl_BD_Shape_float_tag, 104
ppl_new_BD_Shape_float_from_NNC_Polyhedron
ppl_BD_Shape_float_tag, 99
ppl_new_BD_Shape_float_from_NNC_-
Polyhedron_with_complexity
ppl_BD_Shape_float_tag, 103
ppl_new_BD_Shape_float_from_Octagonal_-
Shape_double
ppl_BD_Shape_float_tag, 99
ppl_new_BD_Shape_float_from_Octagonal_-
Shape_double_with_complexity
ppl_BD_Shape_float_tag, 103
ppl_new_BD_Shape_float_from_Octagonal_-
Shape_float
ppl_BD_Shape_float_tag, 99
ppl_new_BD_Shape_float_from_Octagonal_-
Shape_float_with_complexity
ppl_BD_Shape_float_tag, 103
ppl_new_BD_Shape_float_from_Octagonal_-
Shape_int16_t
ppl_BD_Shape_float_tag, 98
ppl_new_BD_Shape_float_from_Octagonal_-
Shape_int16_t_with_complexity
ppl_BD_Shape_float_tag, 102
ppl_new_BD_Shape_float_from_Octagonal_-
Shape_int32_t
ppl_BD_Shape_float_tag, 98
ppl_new_BD_Shape_float_from_Octagonal_-
Shape_int32_t_with_complexity
ppl_BD_Shape_float_tag, 102
ppl_new_BD_Shape_float_from_Octagonal_-
Shape_int64_t
ppl_BD_Shape_float_tag, 98
ppl_new_BD_Shape_float_from_Octagonal_-
Shape_int64_t_with_complexity
ppl_BD_Shape_float_tag, 102
ppl_new_BD_Shape_float_from_Octagonal_-
Shape_int8_t
ppl_BD_Shape_float_tag, 98
ppl_new_BD_Shape_float_from_Octagonal_-
Shape_int8_t_with_complexity
ppl_BD_Shape_float_tag, 102
ppl_new_BD_Shape_float_from_Octagonal_-
Shape_long_double
ppl_BD_Shape_float_tag, 100
ppl_new_BD_Shape_float_from_Octagonal_-
Shape_long_double_with_complexity
ppl_BD_Shape_float_tag, 104
ppl_new_BD_Shape_float_from_Octagonal_-
Shape_mpq_class
ppl_BD_Shape_float_tag, 98
ppl_new_BD_Shape_float_from_Octagonal_-
Shape_mpq_class_with_complexity
ppl_BD_Shape_float_tag, 102
ppl_new_BD_Shape_float_from_Octagonal_-
Shape_mpz_class

ppl_BD_Shape_float_tag, 98
ppl_new_BD_Shape_float_from_Octagonal_-Shape_mpz_class_with_complexity
ppl_BD_Shape_float_tag, 102
ppl_new_BD_Shape_float_from_Rational_Box
ppl_BD_Shape_float_tag, 97
ppl_new_BD_Shape_float_from_Rational_Box_-with_complexity
ppl_BD_Shape_float_tag, 101
ppl_new_BD_Shape_float_from_space_dimension
ppl_BD_Shape_float_tag, 96
ppl_new_BD_Shape_float_from_Uint16_Box
ppl_BD_Shape_float_tag, 97
ppl_new_BD_Shape_float_from_Uint16_Box_-with_complexity
ppl_BD_Shape_float_tag, 100
ppl_new_BD_Shape_float_from_Uint32_Box
ppl_BD_Shape_float_tag, 97
ppl_new_BD_Shape_float_from_Uint32_Box_-with_complexity
ppl_BD_Shape_float_tag, 100
ppl_new_BD_Shape_float_from_Uint64_Box
ppl_BD_Shape_float_tag, 97
ppl_new_BD_Shape_float_from_Uint64_Box_-with_complexity
ppl_BD_Shape_float_tag, 101
ppl_new_BD_Shape_float_from_Uint8_Box
ppl_BD_Shape_float_tag, 96
ppl_new_BD_Shape_float_from_Uint8_Box_-with_complexity
ppl_BD_Shape_float_tag, 100
ppl_new_BD_Shape_float_from_Z_Box
ppl_BD_Shape_float_tag, 97
ppl_new_BD_Shape_float_from_Z_Box_with_-complexity
ppl_BD_Shape_float_tag, 101
ppl_new_BD_Shape_float_recycle_Congruence_-System
ppl_BD_Shape_float_tag, 113
ppl_new_BD_Shape_float_recycle_Constraint_-System
ppl_BD_Shape_float_tag, 113
ppl_new_BD_Shape_float_recycle_Generator_-System
ppl_BD_Shape_float_tag, 114
ppl_new_BD_Shape_int16_t_from_BD_Shape_-double
ppl_BD_Shape_int16_t_tag, 127
ppl_new_BD_Shape_int16_t_from_BD_Shape_-double_with_complexity
ppl_BD_Shape_int16_t_tag, 131
ppl_new_BD_Shape_int16_t_from_BD_Shape_-float
ppl_BD_Shape_int16_t_tag, 126
ppl_new_BD_Shape_int16_t_from_BD_Shape_-float_with_complexity
ppl_BD_Shape_int16_t_tag, 130
ppl_new_BD_Shape_int16_t_from_BD_Shape_-int16_t
ppl_BD_Shape_int16_t_tag, 125
ppl_new_BD_Shape_int16_t_from_BD_Shape_-int16_t_with_complexity
ppl_BD_Shape_int16_t_tag, 128
ppl_new_BD_Shape_int16_t_from_BD_Shape_-int32_t
ppl_BD_Shape_int16_t_tag, 125
ppl_new_BD_Shape_int16_t_from_BD_Shape_-int32_t_with_complexity
ppl_BD_Shape_int16_t_tag, 129
ppl_new_BD_Shape_int16_t_from_BD_Shape_-int64_t
ppl_BD_Shape_int16_t_tag, 125
ppl_new_BD_Shape_int16_t_from_BD_Shape_-int64_t_with_complexity
ppl_BD_Shape_int16_t_tag, 129
ppl_new_BD_Shape_int16_t_from_BD_Shape_-int8_t
ppl_BD_Shape_int16_t_tag, 124
ppl_new_BD_Shape_int16_t_from_BD_Shape_-int8_t_with_complexity
ppl_BD_Shape_int16_t_tag, 128
ppl_new_BD_Shape_int16_t_from_BD_Shape_-long_double
ppl_BD_Shape_int16_t_tag, 127
ppl_new_BD_Shape_int16_t_from_BD_Shape_-long_double_with_complexity
ppl_BD_Shape_int16_t_tag, 131
ppl_new_BD_Shape_int16_t_from_BD_Shape_-mpq_class
ppl_BD_Shape_int16_t_tag, 125
ppl_new_BD_Shape_int16_t_from_BD_Shape_-mpq_class_with_complexity
ppl_BD_Shape_int16_t_tag, 129
ppl_new_BD_Shape_int16_t_from_BD_Shape_-mpz_class
ppl_BD_Shape_int16_t_tag, 125
ppl_new_BD_Shape_int16_t_from_BD_Shape_-mpz_class_with_complexity
ppl_BD_Shape_int16_t_tag, 129
ppl_new_BD_Shape_int16_t_from_C_Polyhedron
ppl_BD_Shape_int16_t_tag, 126
ppl_new_BD_Shape_int16_t_from_C_-Polyhedron_with_complexity
ppl_BD_Shape_int16_t_tag, 130
ppl_new_BD_Shape_int16_t_from_Congruence_-System
ppl_BD_Shape_int16_t_tag, 131

ppl_new_BD_Shape_int16_t_from_Constraint_-System
ppl_BD_Shape_int16_t_tag, 131
ppl_new_BD_Shape_int16_t_from_Double_Box
ppl_BD_Shape_int16_t_tag, 126
ppl_new_BD_Shape_int16_t_from_Double_Box_-with_complexity
ppl_BD_Shape_int16_t_tag, 131
ppl_new_BD_Shape_int16_t_from_Float_Box
ppl_BD_Shape_int16_t_tag, 126
ppl_new_BD_Shape_int16_t_from_Float_Box_-with_complexity
ppl_BD_Shape_int16_t_tag, 130
ppl_new_BD_Shape_int16_t_from_Generator_-System
ppl_BD_Shape_int16_t_tag, 132
ppl_new_BD_Shape_int16_t_from_Grid
ppl_BD_Shape_int16_t_tag, 126
ppl_new_BD_Shape_int16_t_from_Grid_with_-complexity
ppl_BD_Shape_int16_t_tag, 130
ppl_new_BD_Shape_int16_t_from_Int16_Box
ppl_BD_Shape_int16_t_tag, 123
ppl_new_BD_Shape_int16_t_from_Int16_Box_-with_complexity
ppl_BD_Shape_int16_t_tag, 127
ppl_new_BD_Shape_int16_t_from_Int32_Box
ppl_BD_Shape_int16_t_tag, 124
ppl_new_BD_Shape_int16_t_from_Int32_Box_-with_complexity
ppl_BD_Shape_int16_t_tag, 127
ppl_new_BD_Shape_int16_t_from_Int64_Box
ppl_BD_Shape_int16_t_tag, 124
ppl_new_BD_Shape_int16_t_from_Int64_Box_-with_complexity
ppl_BD_Shape_int16_t_tag, 127
ppl_new_BD_Shape_int16_t_from_Int8_Box
ppl_BD_Shape_int16_t_tag, 123
ppl_new_BD_Shape_int16_t_from_Int8_Box_-with_complexity
ppl_BD_Shape_int16_t_tag, 127
ppl_new_BD_Shape_int16_t_from_Long_-Double_Box
ppl_BD_Shape_int16_t_tag, 127
ppl_new_BD_Shape_int16_t_from_Long_-Double_Box_with_complexity
ppl_BD_Shape_int16_t_tag, 131
ppl_new_BD_Shape_int16_t_from_NNC_-Polyhedron
ppl_BD_Shape_int16_t_tag, 126
ppl_new_BD_Shape_int16_t_from_NNC_-Polyhedron_with_complexity
ppl_BD_Shape_int16_t_tag, 130
ppl_new_BD_Shape_int16_t_from_Octagonal_-Shape_double
ppl_BD_Shape_int16_t_tag, 127
ppl_new_BD_Shape_int16_t_from_Octagonal_-Shape_double_with_complexity
ppl_BD_Shape_int16_t_tag, 131
ppl_new_BD_Shape_int16_t_from_Octagonal_-Shape_float
ppl_BD_Shape_int16_t_tag, 126
ppl_new_BD_Shape_int16_t_from_Octagonal_-Shape_float_with_complexity
ppl_BD_Shape_int16_t_tag, 130
ppl_new_BD_Shape_int16_t_from_Octagonal_-Shape_int16_t
ppl_BD_Shape_int16_t_tag, 125
ppl_new_BD_Shape_int16_t_from_Octagonal_-Shape_int16_t_with_complexity
ppl_BD_Shape_int16_t_tag, 129
ppl_new_BD_Shape_int16_t_from_Octagonal_-Shape_int32_t
ppl_BD_Shape_int16_t_tag, 125
ppl_new_BD_Shape_int16_t_from_Octagonal_-Shape_int32_t_with_complexity
ppl_BD_Shape_int16_t_tag, 129
ppl_new_BD_Shape_int16_t_from_Octagonal_-Shape_int64_t
ppl_BD_Shape_int16_t_tag, 125
ppl_new_BD_Shape_int16_t_from_Octagonal_-Shape_int64_t_with_complexity
ppl_BD_Shape_int16_t_tag, 129
ppl_new_BD_Shape_int16_t_from_Octagonal_-Shape_int8_t
ppl_BD_Shape_int16_t_tag, 125
ppl_new_BD_Shape_int16_t_from_Octagonal_-Shape_int8_t_with_complexity
ppl_BD_Shape_int16_t_tag, 129
ppl_new_BD_Shape_int16_t_from_Octagonal_-Shape_long_double
ppl_BD_Shape_int16_t_tag, 127
ppl_new_BD_Shape_int16_t_from_Octagonal_-Shape_long_double_with_complexity
ppl_BD_Shape_int16_t_tag, 131
ppl_new_BD_Shape_int16_t_from_Octagonal_-Shape_mpq_class
ppl_BD_Shape_int16_t_tag, 126
ppl_new_BD_Shape_int16_t_from_Octagonal_-Shape_mpq_class_with_complexity
ppl_BD_Shape_int16_t_tag, 130
ppl_new_BD_Shape_int16_t_from_Octagonal_-Shape_mpz_class
ppl_BD_Shape_int16_t_tag, 126
ppl_new_BD_Shape_int16_t_from_Octagonal_-Shape_mpz_class_with_complexity
ppl_BD_Shape_int16_t_tag, 130

ppl_new_BD_Shape_int16_t_from_Rational_Box ppl_BD_Shape_int16_t_tag, 124
ppl_new_BD_Shape_int16_t_from_Rational_Box_with_complexity ppl_BD_Shape_int16_t_tag, 128
ppl_new_BD_Shape_int16_t_from_space_dimension ppl_BD_Shape_int16_t_tag, 123
ppl_new_BD_Shape_int16_t_from_Uint16_Box ppl_BD_Shape_int16_t_tag, 124
ppl_new_BD_Shape_int16_t_from_Uint16_Box_with_complexity ppl_BD_Shape_int16_t_tag, 128
ppl_new_BD_Shape_int16_t_from_Uint32_Box ppl_BD_Shape_int16_t_tag, 124
ppl_new_BD_Shape_int16_t_from_Uint32_Box_with_complexity ppl_BD_Shape_int16_t_tag, 128
ppl_new_BD_Shape_int16_t_from_Uint64_Box ppl_BD_Shape_int16_t_tag, 124
ppl_new_BD_Shape_int16_t_from_Uint64_Box_with_complexity ppl_BD_Shape_int16_t_tag, 128
ppl_new_BD_Shape_int16_t_from_Uint8_Box ppl_BD_Shape_int16_t_tag, 124
ppl_new_BD_Shape_int16_t_from_Uint8_Box_with_complexity ppl_BD_Shape_int16_t_tag, 128
ppl_new_BD_Shape_int16_t_from_Z_Box ppl_BD_Shape_int16_t_tag, 124
ppl_new_BD_Shape_int16_t_from_Z_Box_with_complexity ppl_BD_Shape_int16_t_tag, 128
ppl_new_BD_Shape_int16_t_recycle_Congruence_System ppl_BD_Shape_int16_t_tag, 141
ppl_new_BD_Shape_int16_t_recycle_Constraint_System ppl_BD_Shape_int16_t_tag, 141
ppl_new_BD_Shape_int16_t_recycle_Generator_System ppl_BD_Shape_int16_t_tag, 141
ppl_new_BD_Shape_int32_t_from_BD_Shape_double ppl_BD_Shape_int32_t_tag, 154
ppl_new_BD_Shape_int32_t_from_BD_Shape_double_with_complexity ppl_BD_Shape_int32_t_tag, 158
ppl_new_BD_Shape_int32_t_from_BD_Shape_float ppl_BD_Shape_int32_t_tag, 154
ppl_new_BD_Shape_int32_t_from_BD_Shape_float_with_complexity ppl_BD_Shape_int32_t_tag, 158
ppl_new_BD_Shape_int32_t_from_BD_Shape_int16_t ppl_BD_Shape_int32_t_tag, 152
ppl_new_BD_Shape_int32_t_from_BD_Shape_int16_t_with_complexity ppl_BD_Shape_int32_t_tag, 156
ppl_new_BD_Shape_int32_t_from_BD_Shape_int32_t ppl_BD_Shape_int32_t_tag, 152
ppl_new_BD_Shape_int32_t_from_BD_Shape_int32_t_with_complexity ppl_BD_Shape_int32_t_tag, 156
ppl_new_BD_Shape_int32_t_from_BD_Shape_int64_t ppl_BD_Shape_int32_t_tag, 152
ppl_new_BD_Shape_int32_t_from_BD_Shape_int64_t_with_complexity ppl_BD_Shape_int32_t_tag, 156
ppl_new_BD_Shape_int32_t_from_BD_Shape_int8_t ppl_BD_Shape_int32_t_tag, 152
ppl_new_BD_Shape_int32_t_from_BD_Shape_int8_t_with_complexity ppl_BD_Shape_int32_t_tag, 156
ppl_new_BD_Shape_int32_t_from_BD_Shape_long_double ppl_BD_Shape_int32_t_tag, 154
ppl_new_BD_Shape_int32_t_from_BD_Shape_long_double_with_complexity ppl_BD_Shape_int32_t_tag, 159
ppl_new_BD_Shape_int32_t_from_BD_Shape_mpq_class ppl_BD_Shape_int32_t_tag, 152
ppl_new_BD_Shape_int32_t_from_BD_Shape_mpq_class_with_complexity ppl_BD_Shape_int32_t_tag, 157
ppl_new_BD_Shape_int32_t_from_BD_Shape_mpz_class ppl_BD_Shape_int32_t_tag, 152
ppl_new_BD_Shape_int32_t_from_BD_Shape_mpz_class_with_complexity ppl_BD_Shape_int32_t_tag, 156
ppl_new_BD_Shape_int32_t_from_C_Polyhedron ppl_BD_Shape_int32_t_tag, 153
ppl_new_BD_Shape_int32_t_from_C_Polyhedron_with_complexity ppl_BD_Shape_int32_t_tag, 157
ppl_new_BD_Shape_int32_t_from_Congruence_System ppl_BD_Shape_int32_t_tag, 159
ppl_new_BD_Shape_int32_t_from_Constraint_System ppl_BD_Shape_int32_t_tag, 159
ppl_new_BD_Shape_int32_t_from_Double_Box

ppl_BD_Shape_int32_t_tag, 154
ppl_new_BD_Shape_int32_t_from_Double_Box_-with_complexity
ppl_BD_Shape_int32_t_tag, 158
ppl_new_BD_Shape_int32_t_from_Float_Box
ppl_BD_Shape_int32_t_tag, 154
ppl_new_BD_Shape_int32_t_from_Float_Box_-with_complexity
ppl_BD_Shape_int32_t_tag, 158
ppl_new_BD_Shape_int32_t_from_Generator_-System
ppl_BD_Shape_int32_t_tag, 159
ppl_new_BD_Shape_int32_t_from_Grid
ppl_BD_Shape_int32_t_tag, 154
ppl_new_BD_Shape_int32_t_from_Grid_with_-complexity
ppl_BD_Shape_int32_t_tag, 158
ppl_new_BD_Shape_int32_t_from_Int16_Box
ppl_BD_Shape_int32_t_tag, 151
ppl_new_BD_Shape_int32_t_from_Int16_Box_-with_complexity
ppl_BD_Shape_int32_t_tag, 155
ppl_new_BD_Shape_int32_t_from_Int32_Box
ppl_BD_Shape_int32_t_tag, 151
ppl_new_BD_Shape_int32_t_from_Int32_Box_-with_complexity
ppl_BD_Shape_int32_t_tag, 155
ppl_new_BD_Shape_int32_t_from_Int64_Box
ppl_BD_Shape_int32_t_tag, 151
ppl_new_BD_Shape_int32_t_from_Int64_Box_-with_complexity
ppl_BD_Shape_int32_t_tag, 155
ppl_new_BD_Shape_int32_t_from_Int8_Box
ppl_BD_Shape_int32_t_tag, 151
ppl_new_BD_Shape_int32_t_from_Int8_Box_-with_complexity
ppl_BD_Shape_int32_t_tag, 155
ppl_new_BD_Shape_int32_t_from_Long_-Double_Box
ppl_BD_Shape_int32_t_tag, 154
ppl_new_BD_Shape_int32_t_from_Long_-Double_Box_with_complexity
ppl_BD_Shape_int32_t_tag, 159
ppl_new_BD_Shape_int32_t_from_NNC_-Polyhedron
ppl_BD_Shape_int32_t_tag, 153
ppl_new_BD_Shape_int32_t_from_NNC_-Polyhedron_with_complexity
ppl_BD_Shape_int32_t_tag, 158
ppl_new_BD_Shape_int32_t_from_Octagonal_-Shape_double
ppl_BD_Shape_int32_t_tag, 154
ppl_new_BD_Shape_int32_t_from_Octagonal_-Shape_double_with_complexity
ppl_BD_Shape_int32_t_tag, 158
ppl_new_BD_Shape_int32_t_from_Octagonal_-Shape_float
ppl_BD_Shape_int32_t_tag, 154
ppl_new_BD_Shape_int32_t_from_Octagonal_-Shape_float_with_complexity
ppl_BD_Shape_int32_t_tag, 158
ppl_new_BD_Shape_int32_t_from_Octagonal_-Shape_int16_t
ppl_BD_Shape_int32_t_tag, 153
ppl_new_BD_Shape_int32_t_from_Octagonal_-Shape_int16_t_with_complexity
ppl_BD_Shape_int32_t_tag, 157
ppl_new_BD_Shape_int32_t_from_Octagonal_-Shape_int32_t
ppl_BD_Shape_int32_t_tag, 153
ppl_new_BD_Shape_int32_t_from_Octagonal_-Shape_int32_t_with_complexity
ppl_BD_Shape_int32_t_tag, 157
ppl_new_BD_Shape_int32_t_from_Octagonal_-Shape_int64_t
ppl_BD_Shape_int32_t_tag, 153
ppl_new_BD_Shape_int32_t_from_Octagonal_-Shape_int64_t_with_complexity
ppl_BD_Shape_int32_t_tag, 157
ppl_new_BD_Shape_int32_t_from_Octagonal_-Shape_int8_t
ppl_BD_Shape_int32_t_tag, 153
ppl_new_BD_Shape_int32_t_from_Octagonal_-Shape_int8_t_with_complexity
ppl_BD_Shape_int32_t_tag, 157
ppl_new_BD_Shape_int32_t_from_Octagonal_-Shape_long_double
ppl_BD_Shape_int32_t_tag, 155
ppl_new_BD_Shape_int32_t_from_Octagonal_-Shape_long_double_with_complexity
ppl_BD_Shape_int32_t_tag, 159
ppl_new_BD_Shape_int32_t_from_Octagonal_-Shape_mpq_class
ppl_BD_Shape_int32_t_tag, 153
ppl_new_BD_Shape_int32_t_from_Octagonal_-Shape_mpq_class_with_complexity
ppl_BD_Shape_int32_t_tag, 157
ppl_new_BD_Shape_int32_t_from_Octagonal_-Shape_mpz_class
ppl_BD_Shape_int32_t_tag, 153
ppl_new_BD_Shape_int32_t_from_Octagonal_-Shape_mpz_class_with_complexity
ppl_BD_Shape_int32_t_tag, 157
ppl_new_BD_Shape_int32_t_from_Rational_Box
ppl_BD_Shape_int32_t_tag, 152
ppl_new_BD_Shape_int32_t_from_Rational_-Box_with_complexity
ppl_BD_Shape_int32_t_tag, 156

ppl_new_BD_Shape_int32_t_from_space_-
dimension
ppl_BD_Shape_int32_t_tag, 151
ppl_new_BD_Shape_int32_t_from_Uint16_Box
ppl_BD_Shape_int32_t_tag, 151
ppl_new_BD_Shape_int32_t_from_Uint16_Box_-
with_complexity
ppl_BD_Shape_int32_t_tag, 155
ppl_new_BD_Shape_int32_t_from_Uint32_Box
ppl_BD_Shape_int32_t_tag, 151
ppl_new_BD_Shape_int32_t_from_Uint32_Box_-
with_complexity
ppl_BD_Shape_int32_t_tag, 155
ppl_new_BD_Shape_int32_t_from_Uint64_Box
ppl_BD_Shape_int32_t_tag, 152
ppl_new_BD_Shape_int32_t_from_Uint64_Box_-
with_complexity
ppl_BD_Shape_int32_t_tag, 156
ppl_new_BD_Shape_int32_t_from_Uint8_Box
ppl_BD_Shape_int32_t_tag, 151
ppl_new_BD_Shape_int32_t_from_Uint8_Box_-
with_complexity
ppl_BD_Shape_int32_t_tag, 155
ppl_new_BD_Shape_int32_t_from_Z_Box
ppl_BD_Shape_int32_t_tag, 152
ppl_new_BD_Shape_int32_t_from_Z_Box_with_-
complexity
ppl_BD_Shape_int32_t_tag, 156
ppl_new_BD_Shape_int32_t_recycle_-
Congruence_System
ppl_BD_Shape_int32_t_tag, 169
ppl_new_BD_Shape_int32_t_recycle_Constraint_-
System
ppl_BD_Shape_int32_t_tag, 169
ppl_new_BD_Shape_int32_t_recycle_Generator_-
System
ppl_BD_Shape_int32_t_tag, 169
ppl_new_BD_Shape_int64_t_from_BD_Shape_-
double
ppl_BD_Shape_int64_t_tag, 182
ppl_new_BD_Shape_int64_t_from_BD_Shape_-
double_with_complexity
ppl_BD_Shape_int64_t_tag, 186
ppl_new_BD_Shape_int64_t_from_BD_Shape_-
float
ppl_BD_Shape_int64_t_tag, 182
ppl_new_BD_Shape_int64_t_from_BD_Shape_-
float_with_complexity
ppl_BD_Shape_int64_t_tag, 186
ppl_new_BD_Shape_int64_t_from_BD_Shape_-
int16_t
ppl_BD_Shape_int64_t_tag, 180
ppl_new_BD_Shape_int64_t_from_BD_Shape_-
int16_t_with_complexity
ppl_BD_Shape_int64_t_tag, 184
ppl_new_BD_Shape_int64_t_from_BD_Shape_-
int32_t
ppl_BD_Shape_int64_t_tag, 180
ppl_new_BD_Shape_int64_t_from_BD_Shape_-
int32_t_with_complexity
ppl_BD_Shape_int64_t_tag, 184
ppl_new_BD_Shape_int64_t_from_BD_Shape_-
int64_t
ppl_BD_Shape_int64_t_tag, 180
ppl_new_BD_Shape_int64_t_from_BD_Shape_-
int64_t_with_complexity
ppl_BD_Shape_int64_t_tag, 184
ppl_new_BD_Shape_int64_t_from_BD_Shape_-
int8_t
ppl_BD_Shape_int64_t_tag, 180
ppl_new_BD_Shape_int64_t_from_BD_Shape_-
int8_t_with_complexity
ppl_BD_Shape_int64_t_tag, 184
ppl_new_BD_Shape_int64_t_from_BD_Shape_-
long_double
ppl_BD_Shape_int64_t_tag, 182
ppl_new_BD_Shape_int64_t_from_BD_Shape_-
long_double_with_complexity
ppl_BD_Shape_int64_t_tag, 186
ppl_new_BD_Shape_int64_t_from_BD_Shape_-
mpq_class
ppl_BD_Shape_int64_t_tag, 180
ppl_new_BD_Shape_int64_t_from_BD_Shape_-
mpq_class_with_complexity
ppl_BD_Shape_int64_t_tag, 184
ppl_new_BD_Shape_int64_t_from_BD_Shape_-
mpz_class
ppl_BD_Shape_int64_t_tag, 180
ppl_new_BD_Shape_int64_t_from_BD_Shape_-
mpz_class_with_complexity
ppl_BD_Shape_int64_t_tag, 184
ppl_new_BD_Shape_int64_t_from_C_Polyhedron
ppl_BD_Shape_int64_t_tag, 181
ppl_new_BD_Shape_int64_t_from_C_-
Polyhedron_with_complexity
ppl_BD_Shape_int64_t_tag, 185
ppl_new_BD_Shape_int64_t_from_Congruence_-
System
ppl_BD_Shape_int64_t_tag, 187
ppl_new_BD_Shape_int64_t_from_Constraint_-
System
ppl_BD_Shape_int64_t_tag, 187
ppl_new_BD_Shape_int64_t_from_Double_Box
ppl_BD_Shape_int64_t_tag, 182
ppl_new_BD_Shape_int64_t_from_Double_Box_-
with_complexity
ppl_BD_Shape_int64_t_tag, 186
ppl_new_BD_Shape_int64_t_from_Float_Box

ppl_BD_Shape_int64_t_tag, 181
ppl_new_BD_Shape_int64_t_from_Float_Box_-with_complexity
ppl_BD_Shape_int64_t_tag, 186
ppl_new_BD_Shape_int64_t_from_Generator_-System
ppl_BD_Shape_int64_t_tag, 187
ppl_new_BD_Shape_int64_t_from_Grid
ppl_BD_Shape_int64_t_tag, 181
ppl_new_BD_Shape_int64_t_from_Grid_with_-complexity
ppl_BD_Shape_int64_t_tag, 185
ppl_new_BD_Shape_int64_t_from_Int16_Box
ppl_BD_Shape_int64_t_tag, 179
ppl_new_BD_Shape_int64_t_from_Int16_Box_-with_complexity
ppl_BD_Shape_int64_t_tag, 183
ppl_new_BD_Shape_int64_t_from_Int32_Box
ppl_BD_Shape_int64_t_tag, 179
ppl_new_BD_Shape_int64_t_from_Int32_Box_-with_complexity
ppl_BD_Shape_int64_t_tag, 183
ppl_new_BD_Shape_int64_t_from_Int64_Box
ppl_BD_Shape_int64_t_tag, 179
ppl_new_BD_Shape_int64_t_from_Int64_Box_-with_complexity
ppl_BD_Shape_int64_t_tag, 183
ppl_new_BD_Shape_int64_t_from_Int8_Box
ppl_BD_Shape_int64_t_tag, 179
ppl_new_BD_Shape_int64_t_from_Int8_Box_-with_complexity
ppl_BD_Shape_int64_t_tag, 182
ppl_new_BD_Shape_int64_t_from_Long_-Double_Box
ppl_BD_Shape_int64_t_tag, 182
ppl_new_BD_Shape_int64_t_from_Long_-Double_Box_with_complexity
ppl_BD_Shape_int64_t_tag, 186
ppl_new_BD_Shape_int64_t_from_NNC_-Polyhedron
ppl_BD_Shape_int64_t_tag, 181
ppl_new_BD_Shape_int64_t_from_NNC_-Polyhedron_with_complexity
ppl_BD_Shape_int64_t_tag, 185
ppl_new_BD_Shape_int64_t_from_Octagonal_-Shape_double
ppl_BD_Shape_int64_t_tag, 182
ppl_new_BD_Shape_int64_t_from_Octagonal_-Shape_double_with_complexity
ppl_BD_Shape_int64_t_tag, 186
ppl_new_BD_Shape_int64_t_from_Octagonal_-Shape_float
ppl_BD_Shape_int64_t_tag, 182
ppl_new_BD_Shape_int64_t_from_Octagonal_-Shape_float_with_complexity
ppl_BD_Shape_int64_t_tag, 186
ppl_new_BD_Shape_int64_t_from_Octagonal_-Shape_int16_t
ppl_BD_Shape_int64_t_tag, 180
ppl_new_BD_Shape_int64_t_from_Octagonal_-Shape_int16_t_with_complexity
ppl_BD_Shape_int64_t_tag, 185
ppl_new_BD_Shape_int64_t_from_Octagonal_-Shape_int32_t
ppl_BD_Shape_int64_t_tag, 181
ppl_new_BD_Shape_int64_t_from_Octagonal_-Shape_int32_t_with_complexity
ppl_BD_Shape_int64_t_tag, 185
ppl_new_BD_Shape_int64_t_from_Octagonal_-Shape_int64_t
ppl_BD_Shape_int64_t_tag, 181
ppl_new_BD_Shape_int64_t_from_Octagonal_-Shape_int64_t_with_complexity
ppl_BD_Shape_int64_t_tag, 185
ppl_new_BD_Shape_int64_t_from_Octagonal_-Shape_int8_t
ppl_BD_Shape_int64_t_tag, 180
ppl_new_BD_Shape_int64_t_from_Octagonal_-Shape_int8_t_with_complexity
ppl_BD_Shape_int64_t_tag, 184
ppl_new_BD_Shape_int64_t_from_Octagonal_-Shape_long_double
ppl_BD_Shape_int64_t_tag, 182
ppl_new_BD_Shape_int64_t_from_Octagonal_-Shape_long_double_with_complexity
ppl_BD_Shape_int64_t_tag, 187
ppl_new_BD_Shape_int64_t_from_Octagonal_-Shape_mpq_class
ppl_BD_Shape_int64_t_tag, 181
ppl_new_BD_Shape_int64_t_from_Octagonal_-Shape_mpq_class_with_complexity
ppl_BD_Shape_int64_t_tag, 185
ppl_new_BD_Shape_int64_t_from_Octagonal_-Shape_mpz_class
ppl_BD_Shape_int64_t_tag, 181
ppl_new_BD_Shape_int64_t_from_Octagonal_-Shape_mpz_class_with_complexity
ppl_BD_Shape_int64_t_tag, 185
ppl_new_BD_Shape_int64_t_from_Rational_Box
ppl_BD_Shape_int64_t_tag, 180
ppl_new_BD_Shape_int64_t_from_Rational_-Box_with_complexity
ppl_BD_Shape_int64_t_tag, 184
ppl_new_BD_Shape_int64_t_from_space_-dimension
ppl_BD_Shape_int64_t_tag, 178
ppl_new_BD_Shape_int64_t_from_Uint16_Box

ppl_BD_Shape_int64_t_tag, 179
ppl_new_BD_Shape_int64_t_from_Uint16_Box_-with_complexity
ppl_BD_Shape_int64_t_tag, 183
ppl_new_BD_Shape_int64_t_from_Uint32_Box
ppl_BD_Shape_int64_t_tag, 179
ppl_new_BD_Shape_int64_t_from_Uint32_Box_-with_complexity
ppl_BD_Shape_int64_t_tag, 183
ppl_new_BD_Shape_int64_t_from_Uint64_Box
ppl_BD_Shape_int64_t_tag, 179
ppl_new_BD_Shape_int64_t_from_Uint64_Box_-with_complexity
ppl_BD_Shape_int64_t_tag, 183
ppl_new_BD_Shape_int64_t_from_Uint8_Box
ppl_BD_Shape_int64_t_tag, 179
ppl_new_BD_Shape_int64_t_from_Uint8_Box_-with_complexity
ppl_BD_Shape_int64_t_tag, 183
ppl_new_BD_Shape_int64_t_from_Z_Box
ppl_BD_Shape_int64_t_tag, 179
ppl_new_BD_Shape_int64_t_from_Z_Box_with_-complexity
ppl_BD_Shape_int64_t_tag, 183
ppl_new_BD_Shape_int64_t_recycle_-Congruence_System
ppl_BD_Shape_int64_t_tag, 196
ppl_new_BD_Shape_int64_t_recycle_Constraint_-System
ppl_BD_Shape_int64_t_tag, 196
ppl_new_BD_Shape_int64_t_recycle_Generator_-System
ppl_BD_Shape_int64_t_tag, 196
ppl_new_BD_Shape_int8_t_from_BD_Shape_-double
ppl_BD_Shape_int8_t_tag, 209
ppl_new_BD_Shape_int8_t_from_BD_Shape_-double_with_complexity
ppl_BD_Shape_int8_t_tag, 213
ppl_new_BD_Shape_int8_t_from_BD_Shape_float
ppl_BD_Shape_int8_t_tag, 209
ppl_new_BD_Shape_int8_t_from_BD_Shape_-float_with_complexity
ppl_BD_Shape_int8_t_tag, 213
ppl_new_BD_Shape_int8_t_from_BD_Shape_-int16_t
ppl_BD_Shape_int8_t_tag, 207
ppl_new_BD_Shape_int8_t_from_BD_Shape_-int16_t_with_complexity
ppl_BD_Shape_int8_t_tag, 211
ppl_new_BD_Shape_int8_t_from_BD_Shape_-int32_t
ppl_BD_Shape_int8_t_tag, 207
ppl_new_BD_Shape_int8_t_from_BD_Shape_-int32_t_with_complexity
ppl_BD_Shape_int8_t_tag, 211
ppl_new_BD_Shape_int8_t_from_BD_Shape_-int64_t
ppl_BD_Shape_int8_t_tag, 208
ppl_new_BD_Shape_int8_t_from_BD_Shape_-int64_t_with_complexity
ppl_BD_Shape_int8_t_tag, 211
ppl_new_BD_Shape_int8_t_from_BD_Shape_-int8_t
ppl_BD_Shape_int8_t_tag, 207
ppl_new_BD_Shape_int8_t_from_BD_Shape_-int8_t_with_complexity
ppl_BD_Shape_int8_t_tag, 211
ppl_new_BD_Shape_int8_t_from_BD_Shape_-long_double
ppl_BD_Shape_int8_t_tag, 210
ppl_new_BD_Shape_int8_t_from_BD_Shape_-long_double_with_complexity
ppl_BD_Shape_int8_t_tag, 214
ppl_new_BD_Shape_int8_t_from_BD_Shape_-mpq_class
ppl_BD_Shape_int8_t_tag, 208
ppl_new_BD_Shape_int8_t_from_BD_Shape_-mpq_class_with_complexity
ppl_BD_Shape_int8_t_tag, 212
ppl_new_BD_Shape_int8_t_from_BD_Shape_-mpz_class
ppl_BD_Shape_int8_t_tag, 208
ppl_new_BD_Shape_int8_t_from_BD_Shape_-mpz_class_with_complexity
ppl_BD_Shape_int8_t_tag, 212
ppl_new_BD_Shape_int8_t_from_C_Polyhedron
ppl_BD_Shape_int8_t_tag, 209
ppl_new_BD_Shape_int8_t_from_C_Polyhedron_-with_complexity
ppl_BD_Shape_int8_t_tag, 213
ppl_new_BD_Shape_int8_t_from_Congruence_-System
ppl_BD_Shape_int8_t_tag, 214
ppl_new_BD_Shape_int8_t_from_Constraint_-System
ppl_BD_Shape_int8_t_tag, 214
ppl_new_BD_Shape_int8_t_from_Double_Box
ppl_BD_Shape_int8_t_tag, 209
ppl_new_BD_Shape_int8_t_from_Double_Box_-with_complexity
ppl_BD_Shape_int8_t_tag, 213
ppl_new_BD_Shape_int8_t_from_Float_Box
ppl_BD_Shape_int8_t_tag, 209
ppl_new_BD_Shape_int8_t_from_Float_Box_-with_complexity
ppl_BD_Shape_int8_t_tag, 213

ppl_new_BD_Shape_int8_t_from_Generator_-System
ppl_BD_Shape_int8_t_tag, 214
ppl_new_BD_Shape_int8_t_from_Grid
ppl_BD_Shape_int8_t_tag, 209
ppl_new_BD_Shape_int8_t_from_Grid_with_-complexity
ppl_BD_Shape_int8_t_tag, 213
ppl_new_BD_Shape_int8_t_from_Int16_Box
ppl_BD_Shape_int8_t_tag, 206
ppl_new_BD_Shape_int8_t_from_Int16_Box_-with_complexity
ppl_BD_Shape_int8_t_tag, 210
ppl_new_BD_Shape_int8_t_from_Int32_Box
ppl_BD_Shape_int8_t_tag, 206
ppl_new_BD_Shape_int8_t_from_Int32_Box_-with_complexity
ppl_BD_Shape_int8_t_tag, 210
ppl_new_BD_Shape_int8_t_from_Int64_Box
ppl_BD_Shape_int8_t_tag, 206
ppl_new_BD_Shape_int8_t_from_Int64_Box_-with_complexity
ppl_BD_Shape_int8_t_tag, 210
ppl_new_BD_Shape_int8_t_from_Int8_Box
ppl_BD_Shape_int8_t_tag, 206
ppl_new_BD_Shape_int8_t_from_Int8_Box_-with_complexity
ppl_BD_Shape_int8_t_tag, 210
ppl_new_BD_Shape_int8_t_from_Long_Double_-Box
ppl_BD_Shape_int8_t_tag, 210
ppl_new_BD_Shape_int8_t_from_Long_Double_-Box_with_complexity
ppl_BD_Shape_int8_t_tag, 214
ppl_new_BD_Shape_int8_t_from_NNC_-Polyhedron
ppl_BD_Shape_int8_t_tag, 209
ppl_new_BD_Shape_int8_t_from_NNC_-Polyhedron_with_complexity
ppl_BD_Shape_int8_t_tag, 213
ppl_new_BD_Shape_int8_t_from_Octagonal_-Shape_double
ppl_BD_Shape_int8_t_tag, 209
ppl_new_BD_Shape_int8_t_from_Octagonal_-Shape_double_with_complexity
ppl_BD_Shape_int8_t_tag, 214
ppl_new_BD_Shape_int8_t_from_Octagonal_-Shape_float
ppl_BD_Shape_int8_t_tag, 209
ppl_new_BD_Shape_int8_t_from_Octagonal_-Shape_float_with_complexity
ppl_BD_Shape_int8_t_tag, 213
ppl_new_BD_Shape_int8_t_from_Octagonal_-Shape_int16_t
ppl_BD_Shape_int8_t_tag, 208
ppl_new_BD_Shape_int8_t_from_Octagonal_-Shape_int16_t_with_complexity
ppl_BD_Shape_int8_t_tag, 212
ppl_new_BD_Shape_int8_t_from_Octagonal_-Shape_int32_t
ppl_BD_Shape_int8_t_tag, 208
ppl_new_BD_Shape_int8_t_from_Octagonal_-Shape_int32_t_with_complexity
ppl_BD_Shape_int8_t_tag, 212
ppl_new_BD_Shape_int8_t_from_Octagonal_-Shape_int64_t
ppl_BD_Shape_int8_t_tag, 208
ppl_new_BD_Shape_int8_t_from_Octagonal_-Shape_int64_t_with_complexity
ppl_BD_Shape_int8_t_tag, 212
ppl_new_BD_Shape_int8_t_from_Octagonal_-Shape_int8_t
ppl_BD_Shape_int8_t_tag, 208
ppl_new_BD_Shape_int8_t_from_Octagonal_-Shape_int8_t_with_complexity
ppl_BD_Shape_int8_t_tag, 212
ppl_new_BD_Shape_int8_t_from_Octagonal_-Shape_long_double
ppl_BD_Shape_int8_t_tag, 210
ppl_new_BD_Shape_int8_t_from_Octagonal_-Shape_long_double_with_complexity
ppl_BD_Shape_int8_t_tag, 214
ppl_new_BD_Shape_int8_t_from_Octagonal_-Shape_mpq_class
ppl_BD_Shape_int8_t_tag, 208
ppl_new_BD_Shape_int8_t_from_Octagonal_-Shape_mpq_class_with_complexity
ppl_BD_Shape_int8_t_tag, 212
ppl_new_BD_Shape_int8_t_from_Octagonal_-Shape_mpz_class
ppl_BD_Shape_int8_t_tag, 208
ppl_new_BD_Shape_int8_t_from_Octagonal_-Shape_mpz_class_with_complexity
ppl_BD_Shape_int8_t_tag, 212
ppl_new_BD_Shape_int8_t_from_Rational_Box
ppl_BD_Shape_int8_t_tag, 207
ppl_new_BD_Shape_int8_t_from_Rational_Box_-with_complexity
ppl_BD_Shape_int8_t_tag, 211
ppl_new_BD_Shape_int8_t_from_space_-dimension
ppl_BD_Shape_int8_t_tag, 206
ppl_new_BD_Shape_int8_t_from_Uint16_Box
ppl_BD_Shape_int8_t_tag, 207
ppl_new_BD_Shape_int8_t_from_Uint16_Box_-with_complexity
ppl_BD_Shape_int8_t_tag, 210
ppl_new_BD_Shape_int8_t_from_Uint32_Box

ppl_BD_Shape_int8_t_tag, 207
ppl_new_BD_Shape_int8_t_from_Uint32_Box_-with_complexity
ppl_BD_Shape_int8_t_tag, 211
ppl_new_BD_Shape_int8_t_from_Uint64_Box
ppl_BD_Shape_int8_t_tag, 207
ppl_new_BD_Shape_int8_t_from_Uint64_Box_-with_complexity
ppl_BD_Shape_int8_t_tag, 211
ppl_new_BD_Shape_int8_t_from_Uint8_Box
ppl_BD_Shape_int8_t_tag, 207
ppl_new_BD_Shape_int8_t_from_Uint8_Box_-with_complexity
ppl_BD_Shape_int8_t_tag, 210
ppl_new_BD_Shape_int8_t_from_Z_Box
ppl_BD_Shape_int8_t_tag, 207
ppl_new_BD_Shape_int8_t_from_Z_Box_with_-complexity
ppl_BD_Shape_int8_t_tag, 211
ppl_new_BD_Shape_int8_t_recycle_Congruence_-System
ppl_BD_Shape_int8_t_tag, 224
ppl_new_BD_Shape_int8_t_recycle_Constraint_-System
ppl_BD_Shape_int8_t_tag, 224
ppl_new_BD_Shape_int8_t_recycle_Generator_-System
ppl_BD_Shape_int8_t_tag, 224
ppl_new_BD_Shape_long_double_from_BD_-Shape_double
ppl_BD_Shape_long_double_tag, 237
ppl_new_BD_Shape_long_double_from_BD_-Shape_double_with_complexity
ppl_BD_Shape_long_double_tag, 241
ppl_new_BD_Shape_long_double_from_BD_-Shape_float
ppl_BD_Shape_long_double_tag, 237
ppl_new_BD_Shape_long_double_from_BD_-Shape_float_with_complexity
ppl_BD_Shape_long_double_tag, 241
ppl_new_BD_Shape_long_double_from_BD_-Shape_int16_t
ppl_BD_Shape_long_double_tag, 235
ppl_new_BD_Shape_long_double_from_BD_-Shape_int16_t_with_complexity
ppl_BD_Shape_long_double_tag, 239
ppl_new_BD_Shape_long_double_from_BD_-Shape_int32_t
ppl_BD_Shape_long_double_tag, 235
ppl_new_BD_Shape_long_double_from_BD_-Shape_int32_t_with_complexity
ppl_BD_Shape_long_double_tag, 239
ppl_new_BD_Shape_long_double_from_BD_-Shape_int64_t
ppl_BD_Shape_long_double_tag, 235
ppl_new_BD_Shape_long_double_from_BD_-Shape_int64_t_with_complexity
ppl_BD_Shape_long_double_tag, 239
ppl_new_BD_Shape_long_double_from_BD_-Shape_int8_t
ppl_BD_Shape_long_double_tag, 235
ppl_new_BD_Shape_long_double_from_BD_-Shape_int8_t_with_complexity
ppl_BD_Shape_long_double_tag, 239
ppl_new_BD_Shape_long_double_from_BD_-Shape_long_double
ppl_BD_Shape_long_double_tag, 237
ppl_new_BD_Shape_long_double_from_BD_-Shape_long_double_with_complexity
ppl_BD_Shape_long_double_tag, 242
ppl_new_BD_Shape_long_double_from_BD_-Shape_mpq_class
ppl_BD_Shape_long_double_tag, 235
ppl_new_BD_Shape_long_double_from_BD_-Shape_mpq_class_with_complexity
ppl_BD_Shape_long_double_tag, 239
ppl_new_BD_Shape_long_double_from_BD_-Shape_mpz_class
ppl_BD_Shape_long_double_tag, 235
ppl_new_BD_Shape_long_double_from_BD_-Shape_mpz_class_with_complexity
ppl_BD_Shape_long_double_tag, 239
ppl_new_BD_Shape_long_double_from_C_-Polyhedron
ppl_BD_Shape_long_double_tag, 236
ppl_new_BD_Shape_long_double_from_C_-Polyhedron_with_complexity
ppl_BD_Shape_long_double_tag, 240
ppl_new_BD_Shape_long_double_from_-Congruence_System
ppl_BD_Shape_long_double_tag, 242
ppl_new_BD_Shape_long_double_from_-Constraint_System
ppl_BD_Shape_long_double_tag, 242
ppl_new_BD_Shape_long_double_from_Double_-Box
ppl_BD_Shape_long_double_tag, 237
ppl_new_BD_Shape_long_double_from_Double_-Box_with_complexity
ppl_BD_Shape_long_double_tag, 241
ppl_new_BD_Shape_long_double_from_Float_-Box
ppl_BD_Shape_long_double_tag, 237
ppl_new_BD_Shape_long_double_from_Float_-Box_with_complexity
ppl_BD_Shape_long_double_tag, 241
ppl_new_BD_Shape_long_double_from_-Generator_System

ppl_BD_Shape_long_double_tag, 242
ppl_new_BD_Shape_long_double_from_Grid
ppl_BD_Shape_long_double_tag, 236
ppl_new_BD_Shape_long_double_from_Grid_-
with_complexity
ppl_BD_Shape_long_double_tag, 241
ppl_new_BD_Shape_long_double_from_Int16_-
Box
ppl_BD_Shape_long_double_tag, 234
ppl_new_BD_Shape_long_double_from_Int16_-
Box_with_complexity
ppl_BD_Shape_long_double_tag, 238
ppl_new_BD_Shape_long_double_from_Int32_-
Box
ppl_BD_Shape_long_double_tag, 234
ppl_new_BD_Shape_long_double_from_Int32_-
Box_with_complexity
ppl_BD_Shape_long_double_tag, 238
ppl_new_BD_Shape_long_double_from_Int64_-
Box
ppl_BD_Shape_long_double_tag, 234
ppl_new_BD_Shape_long_double_from_Int64_-
Box_with_complexity
ppl_BD_Shape_long_double_tag, 238
ppl_new_BD_Shape_long_double_from_Int8_Box
ppl_BD_Shape_long_double_tag, 234
ppl_new_BD_Shape_long_double_from_Int8_-
Box_with_complexity
ppl_BD_Shape_long_double_tag, 238
ppl_new_BD_Shape_long_double_from_Long_-
Double_Box
ppl_BD_Shape_long_double_tag, 237
ppl_new_BD_Shape_long_double_from_Long_-
Double_Box_with_complexity
ppl_BD_Shape_long_double_tag, 241
ppl_new_BD_Shape_long_double_from_NNC_-
Polyhedron
ppl_BD_Shape_long_double_tag, 236
ppl_new_BD_Shape_long_double_from_NNC_-
Polyhedron_with_complexity
ppl_BD_Shape_long_double_tag, 240
ppl_new_BD_Shape_long_double_from_-
Octagonal_Shape_double
ppl_BD_Shape_long_double_tag, 237
ppl_new_BD_Shape_long_double_from_-
Octagonal_Shape_double_with_-
complexity
ppl_BD_Shape_long_double_tag, 241
ppl_new_BD_Shape_long_double_from_-
Octagonal_Shape_float
ppl_BD_Shape_long_double_tag, 237
ppl_new_BD_Shape_long_double_from_-
Octagonal_Shape_float_with_complexity
ppl_BD_Shape_long_double_tag, 241
ppl_new_BD_Shape_long_double_from_-
Octagonal_Shape_int16_t
ppl_BD_Shape_long_double_tag, 236
ppl_new_BD_Shape_long_double_from_-
Octagonal_Shape_int16_t_with_-
complexity
ppl_BD_Shape_long_double_tag, 240
ppl_new_BD_Shape_long_double_from_-
Octagonal_Shape_int32_t
ppl_BD_Shape_long_double_tag, 236
ppl_new_BD_Shape_long_double_from_-
Octagonal_Shape_int32_t_with_-
complexity
ppl_BD_Shape_long_double_tag, 240
ppl_new_BD_Shape_long_double_from_-
Octagonal_Shape_int64_t
ppl_BD_Shape_long_double_tag, 236
ppl_new_BD_Shape_long_double_from_-
Octagonal_Shape_int64_t_with_-
complexity
ppl_BD_Shape_long_double_tag, 240
ppl_new_BD_Shape_long_double_from_-
Octagonal_Shape_int8_t
ppl_BD_Shape_long_double_tag, 235
ppl_new_BD_Shape_long_double_from_-
Octagonal_Shape_int8_t_with_-
complexity
ppl_BD_Shape_long_double_tag, 240
ppl_new_BD_Shape_long_double_from_-
Octagonal_Shape_long_double
ppl_BD_Shape_long_double_tag, 237
ppl_new_BD_Shape_long_double_from_-
Octagonal_Shape_long_double_with_-
complexity
ppl_BD_Shape_long_double_tag, 242
ppl_new_BD_Shape_long_double_from_-
Octagonal_Shape_mpq_class
ppl_BD_Shape_long_double_tag, 236
ppl_new_BD_Shape_long_double_from_-
Octagonal_Shape_mpq_class_with_-
complexity
ppl_BD_Shape_long_double_tag, 240
ppl_new_BD_Shape_long_double_from_-
Octagonal_Shape_mpz_class
ppl_BD_Shape_long_double_tag, 236
ppl_new_BD_Shape_long_double_from_-
Octagonal_Shape_mpz_class_with_-
complexity
ppl_BD_Shape_long_double_tag, 240
ppl_new_BD_Shape_long_double_from_-
Rational_Box
ppl_BD_Shape_long_double_tag, 235
ppl_new_BD_Shape_long_double_from_-
Rational_Box_with_complexity

ppl_BD_Shape_long_double_tag, 239
ppl_new_BD_Shape_long_double_from_space_-dimension
ppl_BD_Shape_long_double_tag, 234
ppl_new_BD_Shape_long_double_from_Uint16_-Box
ppl_BD_Shape_long_double_tag, 234
ppl_new_BD_Shape_long_double_from_Uint16_-Box_with_complexity
ppl_BD_Shape_long_double_tag, 238
ppl_new_BD_Shape_long_double_from_Uint32_-Box
ppl_BD_Shape_long_double_tag, 234
ppl_new_BD_Shape_long_double_from_Uint32_-Box_with_complexity
ppl_BD_Shape_long_double_tag, 238
ppl_new_BD_Shape_long_double_from_Uint64_-Box
ppl_BD_Shape_long_double_tag, 234
ppl_new_BD_Shape_long_double_from_Uint64_-Box_with_complexity
ppl_BD_Shape_long_double_tag, 238
ppl_new_BD_Shape_long_double_from_Uint8_-Box
ppl_BD_Shape_long_double_tag, 234
ppl_new_BD_Shape_long_double_from_Uint8_-Box_with_complexity
ppl_BD_Shape_long_double_tag, 238
ppl_new_BD_Shape_long_double_from_Z_Box
ppl_BD_Shape_long_double_tag, 235
ppl_new_BD_Shape_long_double_from_Z_Box_-with_complexity
ppl_BD_Shape_long_double_tag, 239
ppl_new_BD_Shape_long_double_recycle_-Congruence_System
ppl_BD_Shape_long_double_tag, 252
ppl_new_BD_Shape_long_double_recycle_-Constraint_System
ppl_BD_Shape_long_double_tag, 252
ppl_new_BD_Shape_long_double_recycle_-Generator_System
ppl_BD_Shape_long_double_tag, 252
ppl_new_BD_Shape_mpq_class_from_BD_-Shape_double
ppl_BD_Shape_mpq_class_tag, 265
ppl_new_BD_Shape_mpq_class_from_BD_-Shape_double_with_complexity
ppl_BD_Shape_mpq_class_tag, 269
ppl_new_BD_Shape_mpq_class_from_BD_-Shape_float
ppl_BD_Shape_mpq_class_tag, 265
ppl_new_BD_Shape_mpq_class_from_BD_-Shape_float_with_complexity
ppl_BD_Shape_mpq_class_tag, 269
ppl_new_BD_Shape_mpq_class_from_BD_-Shape_int16_t
ppl_BD_Shape_mpq_class_tag, 263
ppl_new_BD_Shape_mpq_class_from_BD_-Shape_int16_t_with_complexity
ppl_BD_Shape_mpq_class_tag, 267
ppl_new_BD_Shape_mpq_class_from_BD_-Shape_int32_t
ppl_BD_Shape_mpq_class_tag, 263
ppl_new_BD_Shape_mpq_class_from_BD_-Shape_int32_t_with_complexity
ppl_BD_Shape_mpq_class_tag, 267
ppl_new_BD_Shape_mpq_class_from_BD_-Shape_int64_t
ppl_BD_Shape_mpq_class_tag, 263
ppl_new_BD_Shape_mpq_class_from_BD_-Shape_int64_t_with_complexity
ppl_BD_Shape_mpq_class_tag, 267
ppl_new_BD_Shape_mpq_class_from_BD_-Shape_int8_t
ppl_BD_Shape_mpq_class_tag, 263
ppl_new_BD_Shape_mpq_class_from_BD_-Shape_int8_t_with_complexity
ppl_BD_Shape_mpq_class_tag, 267
ppl_new_BD_Shape_mpq_class_from_BD_-Shape_long_double
ppl_BD_Shape_mpq_class_tag, 266
ppl_new_BD_Shape_mpq_class_from_BD_-Shape_long_double_with_complexity
ppl_BD_Shape_mpq_class_tag, 270
ppl_new_BD_Shape_mpq_class_from_BD_-Shape_mpq_class
ppl_BD_Shape_mpq_class_tag, 264
ppl_new_BD_Shape_mpq_class_from_BD_-Shape_mpq_class_with_complexity
ppl_BD_Shape_mpq_class_tag, 268
ppl_new_BD_Shape_mpq_class_from_BD_-Shape_mpz_class
ppl_BD_Shape_mpq_class_tag, 263
ppl_new_BD_Shape_mpq_class_from_BD_-Shape_mpz_class_with_complexity
ppl_BD_Shape_mpq_class_tag, 268
ppl_new_BD_Shape_mpq_class_from_C_-Polyhedron
ppl_BD_Shape_mpq_class_tag, 264
ppl_new_BD_Shape_mpq_class_from_C_-Polyhedron_with_complexity
ppl_BD_Shape_mpq_class_tag, 269
ppl_new_BD_Shape_mpq_class_from_-Congruence_System
ppl_BD_Shape_mpq_class_tag, 270
ppl_new_BD_Shape_mpq_class_from_-Constraint_System
ppl_BD_Shape_mpq_class_tag, 270

ppl_new_BD_Shape_mpq_class_from_Double_-Box
ppl_BD_Shape_mpq_class_tag, 265
ppl_new_BD_Shape_mpq_class_from_Double_-Box_with_complexity
ppl_BD_Shape_mpq_class_tag, 269
ppl_new_BD_Shape_mpq_class_from_Float_Box
ppl_BD_Shape_mpq_class_tag, 265
ppl_new_BD_Shape_mpq_class_from_Float_-Box_with_complexity
ppl_BD_Shape_mpq_class_tag, 269
ppl_new_BD_Shape_mpq_class_from_-Generator_System
ppl_BD_Shape_mpq_class_tag, 270
ppl_new_BD_Shape_mpq_class_from_Grid
ppl_BD_Shape_mpq_class_tag, 265
ppl_new_BD_Shape_mpq_class_from_Grid_-with_complexity
ppl_BD_Shape_mpq_class_tag, 269
ppl_new_BD_Shape_mpq_class_from_Int16_Box
ppl_BD_Shape_mpq_class_tag, 262
ppl_new_BD_Shape_mpq_class_from_Int16_-Box_with_complexity
ppl_BD_Shape_mpq_class_tag, 266
ppl_new_BD_Shape_mpq_class_from_Int32_Box
ppl_BD_Shape_mpq_class_tag, 262
ppl_new_BD_Shape_mpq_class_from_Int32_-Box_with_complexity
ppl_BD_Shape_mpq_class_tag, 266
ppl_new_BD_Shape_mpq_class_from_Int64_Box
ppl_BD_Shape_mpq_class_tag, 262
ppl_new_BD_Shape_mpq_class_from_Int64_-Box_with_complexity
ppl_BD_Shape_mpq_class_tag, 266
ppl_new_BD_Shape_mpq_class_from_Int8_Box
ppl_BD_Shape_mpq_class_tag, 262
ppl_new_BD_Shape_mpq_class_from_Int8_Box_-with_complexity
ppl_BD_Shape_mpq_class_tag, 266
ppl_new_BD_Shape_mpq_class_from_Long_-Double_Box
ppl_BD_Shape_mpq_class_tag, 265
ppl_new_BD_Shape_mpq_class_from_Long_-Double_Box_with_complexity
ppl_BD_Shape_mpq_class_tag, 270
ppl_new_BD_Shape_mpq_class_from_NNC_-Polyhedron
ppl_BD_Shape_mpq_class_tag, 265
ppl_new_BD_Shape_mpq_class_from_NNC_-Polyhedron_with_complexity
ppl_BD_Shape_mpq_class_tag, 269
ppl_new_BD_Shape_mpq_class_from_-Octagonal_Shape_double
ppl_BD_Shape_mpq_class_tag, 265
ppl_new_BD_Shape_mpq_class_from_-Octagonal_Shape_double_with_-complexity
ppl_BD_Shape_mpq_class_tag, 270
ppl_new_BD_Shape_mpq_class_from_-Octagonal_Shape_float
ppl_BD_Shape_mpq_class_tag, 265
ppl_new_BD_Shape_mpq_class_from_-Octagonal_Shape_float_with_complexity
ppl_BD_Shape_mpq_class_tag, 269
ppl_new_BD_Shape_mpq_class_from_-Octagonal_Shape_int16_t
ppl_BD_Shape_mpq_class_tag, 264
ppl_new_BD_Shape_mpq_class_from_-Octagonal_Shape_int16_t_with_-complexity
ppl_BD_Shape_mpq_class_tag, 268
ppl_new_BD_Shape_mpq_class_from_-Octagonal_Shape_int32_t
ppl_BD_Shape_mpq_class_tag, 264
ppl_new_BD_Shape_mpq_class_from_-Octagonal_Shape_int32_t_with_-complexity
ppl_BD_Shape_mpq_class_tag, 268
ppl_new_BD_Shape_mpq_class_from_-Octagonal_Shape_int64_t
ppl_BD_Shape_mpq_class_tag, 264
ppl_new_BD_Shape_mpq_class_from_-Octagonal_Shape_int64_t_with_-complexity
ppl_BD_Shape_mpq_class_tag, 268
ppl_new_BD_Shape_mpq_class_from_-Octagonal_Shape_int8_t
ppl_BD_Shape_mpq_class_tag, 264
ppl_new_BD_Shape_mpq_class_from_-Octagonal_Shape_int8_t_with_-complexity
ppl_BD_Shape_mpq_class_tag, 268
ppl_new_BD_Shape_mpq_class_from_-Octagonal_Shape_long_double
ppl_BD_Shape_mpq_class_tag, 266
ppl_new_BD_Shape_mpq_class_from_-Octagonal_Shape_long_double_with_-complexity
ppl_BD_Shape_mpq_class_tag, 270
ppl_new_BD_Shape_mpq_class_from_-Octagonal_Shape_mpq_class
ppl_BD_Shape_mpq_class_tag, 264
ppl_new_BD_Shape_mpq_class_from_-Octagonal_Shape_mpq_class_with_-complexity
ppl_BD_Shape_mpq_class_tag, 268
ppl_new_BD_Shape_mpq_class_from_-Octagonal_Shape_mpz_class

ppl_BD_Shape_mpq_class_tag, 264
ppl_new_BD_Shape_mpq_class_from_-Octagonal_Shape_mpz_class_with_-complexity
ppl_BD_Shape_mpq_class_tag, 268
ppl_new_BD_Shape_mpq_class_from_Rational_-Box
ppl_BD_Shape_mpq_class_tag, 263
ppl_new_BD_Shape_mpq_class_from_Rational_-Box_with_complexity
ppl_BD_Shape_mpq_class_tag, 267
ppl_new_BD_Shape_mpq_class_from_space_-dimension
ppl_BD_Shape_mpq_class_tag, 262
ppl_new_BD_Shape_mpq_class_from_Uint16_-Box
ppl_BD_Shape_mpq_class_tag, 262
ppl_new_BD_Shape_mpq_class_from_Uint16_-Box_with_complexity
ppl_BD_Shape_mpq_class_tag, 266
ppl_new_BD_Shape_mpq_class_from_Uint32_-Box
ppl_BD_Shape_mpq_class_tag, 263
ppl_new_BD_Shape_mpq_class_from_Uint32_-Box_with_complexity
ppl_BD_Shape_mpq_class_tag, 267
ppl_new_BD_Shape_mpq_class_from_Uint64_-Box
ppl_BD_Shape_mpq_class_tag, 263
ppl_new_BD_Shape_mpq_class_from_Uint64_-Box_with_complexity
ppl_BD_Shape_mpq_class_tag, 267
ppl_new_BD_Shape_mpq_class_from_Uint8_Box
ppl_BD_Shape_mpq_class_tag, 262
ppl_new_BD_Shape_mpq_class_from_Uint8_-Box_with_complexity
ppl_BD_Shape_mpq_class_tag, 266
ppl_new_BD_Shape_mpq_class_from_Z_Box
ppl_BD_Shape_mpq_class_tag, 263
ppl_new_BD_Shape_mpq_class_from_Z_Box_-with_complexity
ppl_BD_Shape_mpq_class_tag, 267
ppl_new_BD_Shape_mpq_class_recycle_-Congruence_System
ppl_BD_Shape_mpq_class_tag, 280
ppl_new_BD_Shape_mpq_class_recycle_-Constraint_System
ppl_BD_Shape_mpq_class_tag, 280
ppl_new_BD_Shape_mpq_class_recycle_-Generator_System
ppl_BD_Shape_mpq_class_tag, 280
ppl_new_BD_Shape_mpz_class_from_BD_-Shape_double
ppl_BD_Shape_mpz_class_tag, 294
ppl_new_BD_Shape_mpz_class_from_BD_-Shape_double_with_complexity
ppl_BD_Shape_mpz_class_tag, 298
ppl_new_BD_Shape_mpz_class_from_BD_-Shape_float
ppl_BD_Shape_mpz_class_tag, 293
ppl_new_BD_Shape_mpz_class_from_BD_-Shape_float_with_complexity
ppl_BD_Shape_mpz_class_tag, 297
ppl_new_BD_Shape_mpz_class_from_BD_-Shape_int16_t
ppl_BD_Shape_mpz_class_tag, 291
ppl_new_BD_Shape_mpz_class_from_BD_-Shape_int16_t_with_complexity
ppl_BD_Shape_mpz_class_tag, 296
ppl_new_BD_Shape_mpz_class_from_BD_-Shape_int32_t
ppl_BD_Shape_mpz_class_tag, 292
ppl_new_BD_Shape_mpz_class_from_BD_-Shape_int32_t_with_complexity
ppl_BD_Shape_mpz_class_tag, 296
ppl_new_BD_Shape_mpz_class_from_BD_-Shape_int64_t
ppl_BD_Shape_mpz_class_tag, 292
ppl_new_BD_Shape_mpz_class_from_BD_-Shape_int64_t_with_complexity
ppl_BD_Shape_mpz_class_tag, 296
ppl_new_BD_Shape_mpz_class_from_BD_-Shape_int8_t
ppl_BD_Shape_mpz_class_tag, 291
ppl_new_BD_Shape_mpz_class_from_BD_-Shape_int8_t_with_complexity
ppl_BD_Shape_mpz_class_tag, 295
ppl_new_BD_Shape_mpz_class_from_BD_-Shape_long_double
ppl_BD_Shape_mpz_class_tag, 294
ppl_new_BD_Shape_mpz_class_from_BD_-Shape_long_double_with_complexity
ppl_BD_Shape_mpz_class_tag, 298
ppl_new_BD_Shape_mpz_class_from_BD_-Shape_mpq_class
ppl_BD_Shape_mpz_class_tag, 292
ppl_new_BD_Shape_mpz_class_from_BD_-Shape_mpq_class_with_complexity
ppl_BD_Shape_mpz_class_tag, 296
ppl_new_BD_Shape_mpz_class_from_BD_-Shape_mpz_class
ppl_BD_Shape_mpz_class_tag, 292
ppl_new_BD_Shape_mpz_class_from_BD_-Shape_mpz_class_with_complexity
ppl_BD_Shape_mpz_class_tag, 296
ppl_new_BD_Shape_mpz_class_from_C_-Polyhedron
ppl_BD_Shape_mpz_class_tag, 293

ppl_new_BD_Shape_mpz_class_from_C_-
Polyhedron_with_complexity
ppl_BD_Shape_mpz_class_tag, 297
ppl_new_BD_Shape_mpz_class_from_-
Congruence_System
ppl_BD_Shape_mpz_class_tag, 299
ppl_new_BD_Shape_mpz_class_from_-
Constraint_System
ppl_BD_Shape_mpz_class_tag, 298
ppl_new_BD_Shape_mpz_class_from_Double_-
Box
ppl_BD_Shape_mpz_class_tag, 293
ppl_new_BD_Shape_mpz_class_from_Double_-
Box_with_complexity
ppl_BD_Shape_mpz_class_tag, 298
ppl_new_BD_Shape_mpz_class_from_Float_Box
ppl_BD_Shape_mpz_class_tag, 293
ppl_new_BD_Shape_mpz_class_from_Float_-
Box_with_complexity
ppl_BD_Shape_mpz_class_tag, 297
ppl_new_BD_Shape_mpz_class_from_Generator_-
System
ppl_BD_Shape_mpz_class_tag, 299
ppl_new_BD_Shape_mpz_class_from_Grid
ppl_BD_Shape_mpz_class_tag, 293
ppl_new_BD_Shape_mpz_class_from_Grid_-
with_complexity
ppl_BD_Shape_mpz_class_tag, 297
ppl_new_BD_Shape_mpz_class_from_Int16_Box
ppl_BD_Shape_mpz_class_tag, 290
ppl_new_BD_Shape_mpz_class_from_Int16_-
Box_with_complexity
ppl_BD_Shape_mpz_class_tag, 294
ppl_new_BD_Shape_mpz_class_from_Int32_Box
ppl_BD_Shape_mpz_class_tag, 290
ppl_new_BD_Shape_mpz_class_from_Int32_-
Box_with_complexity
ppl_BD_Shape_mpz_class_tag, 294
ppl_new_BD_Shape_mpz_class_from_Int64_Box
ppl_BD_Shape_mpz_class_tag, 291
ppl_new_BD_Shape_mpz_class_from_Int64_-
Box_with_complexity
ppl_BD_Shape_mpz_class_tag, 295
ppl_new_BD_Shape_mpz_class_from_Int8_Box
ppl_BD_Shape_mpz_class_tag, 290
ppl_new_BD_Shape_mpz_class_from_Int8_Box_-
with_complexity
ppl_BD_Shape_mpz_class_tag, 294
ppl_new_BD_Shape_mpz_class_from_Long_-
Double_Box
ppl_BD_Shape_mpz_class_tag, 294
ppl_new_BD_Shape_mpz_class_from_Long_-
Double_Box_with_complexity
ppl_BD_Shape_mpz_class_tag, 298
ppl_new_BD_Shape_mpz_class_from_NNC_-
Polyhedron
ppl_BD_Shape_mpz_class_tag, 293
ppl_new_BD_Shape_mpz_class_from_NNC_-
Polyhedron_with_complexity
ppl_BD_Shape_mpz_class_tag, 297
ppl_new_BD_Shape_mpz_class_from_-
Octagonal_Shape_double
ppl_BD_Shape_mpz_class_tag, 294
ppl_new_BD_Shape_mpz_class_from_-
Octagonal_Shape_double_with_-
complexity
ppl_BD_Shape_mpz_class_tag, 298
ppl_new_BD_Shape_mpz_class_from_-
Octagonal_Shape_float
ppl_BD_Shape_mpz_class_tag, 293
ppl_new_BD_Shape_mpz_class_from_-
Octagonal_Shape_float_with_complexity
ppl_BD_Shape_mpz_class_tag, 298
ppl_new_BD_Shape_mpz_class_from_-
Octagonal_Shape_int16_t
ppl_BD_Shape_mpz_class_tag, 292
ppl_new_BD_Shape_mpz_class_from_-
Octagonal_Shape_int16_t_with_-
complexity
ppl_BD_Shape_mpz_class_tag, 296
ppl_new_BD_Shape_mpz_class_from_-
Octagonal_Shape_int32_t
ppl_BD_Shape_mpz_class_tag, 292
ppl_new_BD_Shape_mpz_class_from_-
Octagonal_Shape_int32_t_with_-
complexity
ppl_BD_Shape_mpz_class_tag, 296
ppl_new_BD_Shape_mpz_class_from_-
Octagonal_Shape_int64_t
ppl_BD_Shape_mpz_class_tag, 292
ppl_new_BD_Shape_mpz_class_from_-
Octagonal_Shape_int64_t_with_-
complexity
ppl_BD_Shape_mpz_class_tag, 297
ppl_new_BD_Shape_mpz_class_from_-
Octagonal_Shape_int8_t
ppl_BD_Shape_mpz_class_tag, 292
ppl_new_BD_Shape_mpz_class_from_-
Octagonal_Shape_int8_t_with_-
complexity
ppl_BD_Shape_mpz_class_tag, 296
ppl_new_BD_Shape_mpz_class_from_-
Octagonal_Shape_long_double
ppl_BD_Shape_mpz_class_tag, 294
ppl_new_BD_Shape_mpz_class_from_-
Octagonal_Shape_long_double_with_-
complexity
ppl_BD_Shape_mpz_class_tag, 298

ppl_new_BD_Shape_mpz_class_from_-
Octagonal_Shape_mpq_class
ppl_BD_Shape_mpz_class_tag, 293
ppl_new_BD_Shape_mpz_class_from_-
Octagonal_Shape_mpq_class_with_-
complexity
ppl_BD_Shape_mpz_class_tag, 297
ppl_new_BD_Shape_mpz_class_from_-
Octagonal_Shape_mpz_class
ppl_BD_Shape_mpz_class_tag, 293
ppl_new_BD_Shape_mpz_class_from_-
Octagonal_Shape_mpz_class_with_-
complexity
ppl_BD_Shape_mpz_class_tag, 297
ppl_new_BD_Shape_mpz_class_from_Rational_-
Box
ppl_BD_Shape_mpz_class_tag, 291
ppl_new_BD_Shape_mpz_class_from_Rational_-
Box_with_complexity
ppl_BD_Shape_mpz_class_tag, 295
ppl_new_BD_Shape_mpz_class_from_space_-
dimension
ppl_BD_Shape_mpz_class_tag, 290
ppl_new_BD_Shape_mpz_class_from_Uint16_-
Box
ppl_BD_Shape_mpz_class_tag, 291
ppl_new_BD_Shape_mpz_class_from_Uint16_-
Box_with_complexity
ppl_BD_Shape_mpz_class_tag, 295
ppl_new_BD_Shape_mpz_class_from_Uint32_-
Box
ppl_BD_Shape_mpz_class_tag, 291
ppl_new_BD_Shape_mpz_class_from_Uint32_-
Box_with_complexity
ppl_BD_Shape_mpz_class_tag, 295
ppl_new_BD_Shape_mpz_class_from_Uint64_-
Box
ppl_BD_Shape_mpz_class_tag, 291
ppl_new_BD_Shape_mpz_class_from_Uint64_-
Box_with_complexity
ppl_BD_Shape_mpz_class_tag, 295
ppl_new_BD_Shape_mpz_class_from_Uint8_Box
ppl_BD_Shape_mpz_class_tag, 291
ppl_new_BD_Shape_mpz_class_from_Uint8_-
Box_with_complexity
ppl_BD_Shape_mpz_class_tag, 295
ppl_new_BD_Shape_mpz_class_from_Z_Box
ppl_BD_Shape_mpz_class_tag, 291
ppl_new_BD_Shape_mpz_class_from_Z_Box_-
with_complexity
ppl_BD_Shape_mpz_class_tag, 295
ppl_new_BD_Shape_mpz_class_recycle_-
Congruence_System
ppl_BD_Shape_mpz_class_tag, 308
ppl_new_BD_Shape_mpz_class_recycle_-
Constraint_System
ppl_BD_Shape_mpz_class_tag, 308
ppl_new_BD_Shape_mpz_class_recycle_-
Generator_System
ppl_BD_Shape_mpz_class_tag, 309
ppl_new_C_Polyhedron_from_BD_Shape_double
ppl_Polyhedron_tag, 1554
ppl_new_C_Polyhedron_from_BD_Shape_-
double_with_complexity
ppl_Polyhedron_tag, 1562
ppl_new_C_Polyhedron_from_BD_Shape_float
ppl_Polyhedron_tag, 1554
ppl_new_C_Polyhedron_from_BD_Shape_float_-
with_complexity
ppl_Polyhedron_tag, 1561
ppl_new_C_Polyhedron_from_BD_Shape_int16_t
ppl_Polyhedron_tag, 1551
ppl_new_C_Polyhedron_from_BD_Shape_int16_-
t_with_complexity
ppl_Polyhedron_tag, 1558
ppl_new_C_Polyhedron_from_BD_Shape_int32_t
ppl_Polyhedron_tag, 1551
ppl_new_C_Polyhedron_from_BD_Shape_int32_-
t_with_complexity
ppl_Polyhedron_tag, 1558
ppl_new_C_Polyhedron_from_BD_Shape_int64_t
ppl_Polyhedron_tag, 1551
ppl_new_C_Polyhedron_from_BD_Shape_int64_-
t_with_complexity
ppl_Polyhedron_tag, 1559
ppl_new_C_Polyhedron_from_BD_Shape_int8_t
ppl_Polyhedron_tag, 1551
ppl_new_C_Polyhedron_from_BD_Shape_int8_t_-
with_complexity
ppl_Polyhedron_tag, 1558
ppl_new_C_Polyhedron_from_BD_Shape_long_-
double
ppl_Polyhedron_tag, 1555
ppl_new_C_Polyhedron_from_BD_Shape_long_-
double_with_complexity
ppl_Polyhedron_tag, 1563
ppl_new_C_Polyhedron_from_BD_Shape_mpq_-
class
ppl_Polyhedron_tag, 1552
ppl_new_C_Polyhedron_from_BD_Shape_mpq_-
class_with_complexity
ppl_Polyhedron_tag, 1559
ppl_new_C_Polyhedron_from_BD_Shape_mpz_-
class
ppl_Polyhedron_tag, 1552
ppl_new_C_Polyhedron_from_BD_Shape_mpz_-
class_with_complexity
ppl_Polyhedron_tag, 1559

ppl_new_C_Polyhedron_from_C_Polyhedron
ppl_Polyhedron_tag, 1529
ppl_new_C_Polyhedron_from_C_Polyhedron_-
with_complexity
ppl_Polyhedron_tag, 1529
ppl_new_C_Polyhedron_from_Congruence_-
System
ppl_Polyhedron_tag, 1529
ppl_new_C_Polyhedron_from_Constraint_System
ppl_Polyhedron_tag, 1529
ppl_new_C_Polyhedron_from_Double_Box
ppl_Polyhedron_tag, 1554
ppl_new_C_Polyhedron_from_Double_Box_-
with_complexity
ppl_Polyhedron_tag, 1562
ppl_new_C_Polyhedron_from_Float_Box
ppl_Polyhedron_tag, 1554
ppl_new_C_Polyhedron_from_Float_Box_with_-
complexity
ppl_Polyhedron_tag, 1561
ppl_new_C_Polyhedron_from_Generator_System
ppl_Polyhedron_tag, 1544
ppl_new_C_Polyhedron_from_Grid
ppl_Polyhedron_tag, 1553
ppl_new_C_Polyhedron_from_Grid_with_-
complexity
ppl_Polyhedron_tag, 1561
ppl_new_C_Polyhedron_from_Int16_Box
ppl_Polyhedron_tag, 1549
ppl_new_C_Polyhedron_from_Int16_Box_with_-
complexity
ppl_Polyhedron_tag, 1556
ppl_new_C_Polyhedron_from_Int32_Box
ppl_Polyhedron_tag, 1549
ppl_new_C_Polyhedron_from_Int32_Box_with_-
complexity
ppl_Polyhedron_tag, 1556
ppl_new_C_Polyhedron_from_Int64_Box
ppl_Polyhedron_tag, 1549
ppl_new_C_Polyhedron_from_Int64_Box_with_-
complexity
ppl_Polyhedron_tag, 1556
ppl_new_C_Polyhedron_from_Int8_Box
ppl_Polyhedron_tag, 1549
ppl_new_C_Polyhedron_from_Int8_Box_with_-
complexity
ppl_Polyhedron_tag, 1556
ppl_new_C_Polyhedron_from_Long_Double_Box
ppl_Polyhedron_tag, 1555
ppl_new_C_Polyhedron_from_Long_Double_-
Box_with_complexity
ppl_Polyhedron_tag, 1563
ppl_new_C_Polyhedron_from_NNC_Polyhedron
ppl_Polyhedron_tag, 1532
ppl_new_C_Polyhedron_from_NNC_Polyhedron_-
with_complexity
ppl_Polyhedron_tag, 1532
ppl_new_C_Polyhedron_from_Octagonal_Shape_-
double
ppl_Polyhedron_tag, 1555
ppl_new_C_Polyhedron_from_Octagonal_Shape_-
double_with_complexity
ppl_Polyhedron_tag, 1562
ppl_new_C_Polyhedron_from_Octagonal_Shape_-
float
ppl_Polyhedron_tag, 1554
ppl_new_C_Polyhedron_from_Octagonal_Shape_-
float_with_complexity
ppl_Polyhedron_tag, 1562
ppl_new_C_Polyhedron_from_Octagonal_Shape_-
int16_t
ppl_Polyhedron_tag, 1552
ppl_new_C_Polyhedron_from_Octagonal_Shape_-
int16_t_with_complexity
ppl_Polyhedron_tag, 1560
ppl_new_C_Polyhedron_from_Octagonal_Shape_-
int32_t
ppl_Polyhedron_tag, 1552
ppl_new_C_Polyhedron_from_Octagonal_Shape_-
int32_t_with_complexity
ppl_Polyhedron_tag, 1560
ppl_new_C_Polyhedron_from_Octagonal_Shape_-
int64_t
ppl_Polyhedron_tag, 1553
ppl_new_C_Polyhedron_from_Octagonal_Shape_-
int64_t_with_complexity
ppl_Polyhedron_tag, 1560
ppl_new_C_Polyhedron_from_Octagonal_Shape_-
int8_t
ppl_Polyhedron_tag, 1552
ppl_new_C_Polyhedron_from_Octagonal_Shape_-
int8_t_with_complexity
ppl_Polyhedron_tag, 1559
ppl_new_C_Polyhedron_from_Octagonal_Shape_-
long_double
ppl_Polyhedron_tag, 1555
ppl_new_C_Polyhedron_from_Octagonal_Shape_-
long_double_with_complexity
ppl_Polyhedron_tag, 1563
ppl_new_C_Polyhedron_from_Octagonal_Shape_-
mpq_class
ppl_Polyhedron_tag, 1553
ppl_new_C_Polyhedron_from_Octagonal_Shape_-
mpq_class_with_complexity
ppl_Polyhedron_tag, 1561
ppl_new_C_Polyhedron_from_Octagonal_Shape_-
mpz_class
ppl_Polyhedron_tag, 1553

ppl_new_C_Polyhedron_from_Octagonal_Shape_-
mpz_class_with_complexity
ppl_Polyhedron_tag, 1560
ppl_new_C_Polyhedron_from_Rational_Box
ppl_Polyhedron_tag, 1550
ppl_new_C_Polyhedron_from_Rational_Box_-
with_complexity
ppl_Polyhedron_tag, 1558
ppl_new_C_Polyhedron_from_space_dimension
ppl_Polyhedron_tag, 1529
ppl_new_C_Polyhedron_from_Uint16_Box
ppl_Polyhedron_tag, 1550
ppl_new_C_Polyhedron_from_Uint16_Box_with_-
complexity
ppl_Polyhedron_tag, 1557
ppl_new_C_Polyhedron_from_Uint32_Box
ppl_Polyhedron_tag, 1550
ppl_new_C_Polyhedron_from_Uint32_Box_with_-
complexity
ppl_Polyhedron_tag, 1557
ppl_new_C_Polyhedron_from_Uint64_Box
ppl_Polyhedron_tag, 1550
ppl_new_C_Polyhedron_from_Uint64_Box_with_-
complexity
ppl_Polyhedron_tag, 1557
ppl_new_C_Polyhedron_from_Uint8_Box
ppl_Polyhedron_tag, 1549
ppl_new_C_Polyhedron_from_Uint8_Box_with_-
complexity
ppl_Polyhedron_tag, 1556
ppl_new_C_Polyhedron_from_Z_Box
ppl_Polyhedron_tag, 1550
ppl_new_C_Polyhedron_from_Z_Box_with_-
complexity
ppl_Polyhedron_tag, 1557
ppl_new_C_Polyhedron_recycle_Congruence_-
System
ppl_Polyhedron_tag, 1530
ppl_new_C_Polyhedron_recycle_Constraint_-
System
ppl_Polyhedron_tag, 1529
ppl_new_C_Polyhedron_recycle_Generator_-
System
ppl_Polyhedron_tag, 1544
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_BD_Shape_double
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 332
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_BD_Shape_double_with_-
complexity
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 336
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_BD_Shape_float
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 331
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_BD_Shape_float_with_-
complexity
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 336
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_BD_Shape_int16_t
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 329
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_BD_Shape_int16_t_with_-
complexity
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 334
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_BD_Shape_int32_t
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 330
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_BD_Shape_int32_t_with_-
complexity
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 334
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_BD_Shape_int64_t
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 330
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_BD_Shape_int64_t_with_-
complexity
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 334
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_BD_Shape_int8_t
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 329
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_BD_Shape_int8_t_with_-
complexity
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 334
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_BD_Shape_long_double
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 332
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_BD_Shape_long_double_-
with_complexity
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 336

ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_BD_Shape_mpq_class
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 330
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_BD_Shape_mpq_class_-
with_complexity
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 334
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_BD_Shape_mpz_class
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 330
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_BD_Shape_mpz_class_-
with_complexity
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 334
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_C_Polyhedron
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 331
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_C_Polyhedron_with_-
complexity
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 335
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Congruence_System
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 337
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Constraint_System
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 337
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Constraints_Product_C_-
Polyhedron_Grid
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 332
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Double_Box
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 332
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Double_Box_with_-
complexity
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 336
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Float_Box
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 331
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Float_Box_with_complexity
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 336
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Grid
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 331
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Grid_with_complexity
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 335
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Int16_Box
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 328
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Int16_Box_with_complexity
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 333
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Int32_Box
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 328
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Int32_Box_with_complexity
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 333
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Int64_Box
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 328
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Int64_Box_with_complexity
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 333
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Int8_Box
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 328
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Int8_Box_with_complexity
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 332
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Long_Double_Box
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 332
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Long_Double_Box_with_-
complexity
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 336
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_NNC_Polyhedron

ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 331
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_NNC_Polyhedron_with_-
complexity
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 335
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Octagonal_Shape_double
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 332
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Octagonal_Shape_double_-
with_complexity
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 336
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Octagonal_Shape_float
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 331
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Octagonal_Shape_float_-
with_complexity
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 336
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Octagonal_Shape_int16_t
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 330
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Octagonal_Shape_int16_t_-
with_complexity
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 335
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Octagonal_Shape_int32_t
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 330
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Octagonal_Shape_int32_t_-
with_complexity
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 335
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Octagonal_Shape_int64_t
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 330
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Octagonal_Shape_int64_t_-
with_complexity
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 335
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Octagonal_Shape_int8_t
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 330
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Octagonal_Shape_int8_t_-
with_complexity
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 334
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Octagonal_Shape_long_-
double
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 332
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Octagonal_Shape_mpq_class
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 331
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Octagonal_Shape_mpz_class
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 331
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Rational_Box
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 329
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Rational_Box_with_-
complexity
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 334
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_space_dimension
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 328
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Uint16_Box
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 329
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Uint16_Box_with_-
complexity
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 333
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Uint32_Box
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 329
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Uint32_Box_with_-
complexity
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 333
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Uint64_Box
ppl_Constraints_Product_C_Polyhedron_-

Grid_tag, 329
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Uint64_Box_with_-
complexity
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 333
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Uint8_Box
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 329
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Uint8_Box_with_complexity
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 333
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Z_Box
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 329
ppl_new_Constraints_Product_C_Polyhedron_-
Grid_from_Z_Box_with_complexity
ppl_Constraints_Product_C_Polyhedron_-
Grid_tag, 333
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_BD_Shape_double
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 356
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_BD_Shape_double_-
with_complexity
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 360
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_BD_Shape_float
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 355
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_BD_Shape_float_-
with_complexity
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 360
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_BD_Shape_int16_t
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 353
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_BD_Shape_int16_t_-
with_complexity
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 358
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_BD_Shape_int32_t
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 354
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_BD_Shape_int32_t_-
with_complexity
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 358
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_BD_Shape_int64_t
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 354
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_BD_Shape_int64_t_-
with_complexity
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 358
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_BD_Shape_int8_t
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 353
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_BD_Shape_int8_-
t_with_complexity
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 358
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_BD_Shape_long_-
double
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 356
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_BD_Shape_long_-
double_with_complexity
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 360
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_BD_Shape_mpq_class
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 354
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_BD_Shape_mpq_-
class_with_complexity
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 358
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_BD_Shape_mpz_class
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 354
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_BD_Shape_mpz_-
class_with_complexity
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 358
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_C_Polyhedron
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 355

ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_C_Polyhedron_-
with_complexity
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 359
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Congruence_System
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 361
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Constraint_System
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 361
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Constraints_Product_-
Grid_C_Polyhedron
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 356
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Double_Box
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 356
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Double_Box_with_-
complexity
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 360
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Float_Box
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 355
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Float_Box_with_-
complexity
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 360
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Grid
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 355
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Grid_with_complexity
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 359
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Int16_Box
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 352
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Int16_Box_with_-
complexity
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 357
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Int32_Box
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 352
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Int32_Box_with_-
complexity
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 357
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Int64_Box
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 352
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Int64_Box_with_-
complexity
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 357
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Int8_Box
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 352
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Int8_Box_with_-
complexity
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 356
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Long_Double_Box
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 356
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Long_Double_-
Box_with_complexity
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 360
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_NNC_Polyhedron
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 355
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_NNC_Polyhedron_-
with_complexity
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 359
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Octagonal_Shape_-
double
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 356
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Octagonal_Shape_-
double_with_complexity
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 360

ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Octagonal_Shape_-
float
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 355
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Octagonal_Shape_-
float_with_complexity
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 360
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Octagonal_Shape_-
int16_t
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 354
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Octagonal_Shape_-
int16_t_with_complexity
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 359
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Octagonal_Shape_-
int32_t
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 354
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Octagonal_Shape_-
int32_t_with_complexity
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 359
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Octagonal_Shape_-
int64_t
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 354
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Octagonal_Shape_-
int64_t_with_complexity
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 359
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Octagonal_Shape_-
int8_t
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 354
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Octagonal_Shape_-
int8_t_with_complexity
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 358
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Octagonal_Shape_-
long_double
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 356
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Octagonal_Shape_-
mpq_class
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 355
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Octagonal_Shape_-
mpz_class
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 355
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Rational_Box
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 353
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Rational_Box_-
with_complexity
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 358
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_space_dimension
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 352
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Uint16_Box
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 353
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Uint16_Box_with_-
complexity
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 357
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Uint32_Box
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 353
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Uint32_Box_with_-
complexity
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 357
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Uint64_Box
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 353
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Uint64_Box_with_-
complexity
ppl_Constraints_Product_Grid_C_-
Polyhedron_tag, 357
ppl_new_Constraints_Product_Grid_C_-
Polyhedron_from_Uint8_Box
ppl_Constraints_Product_Grid_C_-

Polyhedron_tag, 353
ppl_new_Constraints_Product_Grid_C_-Polyhedron_from_Uint8_Box_with_-complexity
ppl_Constraints_Product_Grid_C_-Polyhedron_tag, 357
ppl_new_Constraints_Product_Grid_C_-Polyhedron_from_Z_Box
ppl_Constraints_Product_Grid_C_-Polyhedron_tag, 353
ppl_new_Constraints_Product_Grid_C_-Polyhedron_from_Z_Box_with_-complexity
ppl_Constraints_Product_Grid_C_-Polyhedron_tag, 357
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_BD_Shape_double
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 380
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_BD_Shape_double_-with_complexity
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 384
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_BD_Shape_float
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 380
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_BD_Shape_float_-with_complexity
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 384
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_BD_Shape_int16_t
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 378
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_BD_Shape_int16_t_-with_complexity
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 382
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_BD_Shape_int32_t
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 378
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_BD_Shape_int32_t_-with_complexity
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 382
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_BD_Shape_int64_t
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 378
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_BD_Shape_int64_t_-with_complexity
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 382
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_BD_Shape_int8_t
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 378
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_BD_Shape_int8_t_-with_complexity
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 382
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_BD_Shape_long_-double
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 380
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_BD_Shape_mpq_class
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 378
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_BD_Shape_mpq_-class_with_complexity
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 383
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_BD_Shape_mpz_class
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 378
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_BD_Shape_mpz_-class_with_complexity
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 383
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_C_Polyhedron
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 379
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_C_Polyhedron_with_-complexity
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 384
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Congruence_System
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 385
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Constraint_System
ppl_Constraints_Product_Grid_NNC_-

Polyhedron_tag, 385
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Constraints_Product_-Grid_NNC_Polyhedron
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 381
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Double_Box
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 380
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Double_Box_with_-complexity
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 384
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Float_Box
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 380
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Float_Box_with_-complexity
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 384
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Grid
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 379
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Grid_with_complexity
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 384
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Int16_Box
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 377
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Int16_Box_with_-complexity
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 381
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Int32_Box
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 377
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Int32_Box_with_-complexity
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 381
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Int64_Box
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 377
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Int64_Box_with_-complexity
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 381
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Int8_Box
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 376
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Int8_Box_with_-complexity
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 381
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Long_Double_Box
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 380
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Long_Double_Box_-with_complexity
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 385
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_NNC_Polyhedron
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 379
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_NNC_Polyhedron_-with_complexity
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 384
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Octagonal_Shape_-double
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 380
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Octagonal_Shape_-double_with_complexity
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 385
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Octagonal_Shape_-float
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 380
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Octagonal_Shape_-float_with_complexity
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 384
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Octagonal_Shape_-

int16_t
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 379
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Octagonal_Shape_-int32_t
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 379
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Octagonal_Shape_-int64_t
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 379
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Octagonal_Shape_-int8_t
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 378
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Octagonal_Shape_-long_double
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 381
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Octagonal_Shape_-mpq_class
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 379
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Octagonal_Shape_-mpz_class
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 379
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Rational_Box
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 378
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Rational_Box_with_-complexity
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 382
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_space_dimension
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 376
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Uint16_Box
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 377
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Uint16_Box_with_-complexity
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 381
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Uint32_Box
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 377
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Uint32_Box_with_-complexity
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 382
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Uint64_Box
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 377
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Uint64_Box_with_-complexity
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 382
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Uint8_Box
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 377
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Uint8_Box_with_-complexity
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 381
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Z_Box
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 377
ppl_new_Constraints_Product_Grid_NNC_-Polyhedron_from_Z_Box_with_-complexity
ppl_Constraints_Product_Grid_NNC_-Polyhedron_tag, 382
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_BD_Shape_double
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 404
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_BD_Shape_double_with_-complexity
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 409
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_BD_Shape_float
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 404
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_BD_Shape_float_with_-complexity
ppl_Constraints_Product_NNC_Polyhedron_-

Grid_tag, 408
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_BD_Shape_int16_t
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 402
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_BD_Shape_int16_t_with_-complexity
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 407
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_BD_Shape_int32_t
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 402
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_BD_Shape_int32_t_with_-complexity
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 407
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_BD_Shape_int64_t
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 402
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_BD_Shape_int64_t_with_-complexity
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 407
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_BD_Shape_int8_t
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 402
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_BD_Shape_int8_t_with_-complexity
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 406
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_BD_Shape_long_double
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 405
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_BD_Shape_mpq_class
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 403
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_BD_Shape_mpq_class_-with_complexity
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 407
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_BD_Shape_mpz_class
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 403
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_BD_Shape_mpz_class_-with_complexity
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 407
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_C_Polyhedron
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 404
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_C_Polyhedron_with_-complexity
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 408
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_Congruence_System
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 410
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_Constraint_System
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 410
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_Constraints_Product_NNC_-Polyhedron_Grid
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 405
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_Double_Box
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 404
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_Double_Box_with_-complexity
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 409
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_Float_Box
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 404
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_Float_Box_with_complexity
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 408
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_Grid
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 404
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_Grid_with_complexity
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 408
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_Int16_Box

ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 401
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_Int16_Box_with_complexity
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 405
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_Int32_Box
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 401
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_Int32_Box_with_complexity
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 405
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_Int64_Box
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 401
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_Int64_Box_with_complexity
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 406
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_Int8_Box
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 401
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_Int8_Box_with_complexity
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 405
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_Long_Double_Box
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 405
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_Long_Double_Box_with_-complexity
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 409
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_NNC_Polyhedron
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 404
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_NNC_Polyhedron_with_-complexity
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 408
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_Octagonal_Shape_double
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 405
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_Octagonal_Shape_double_-with_complexity
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 409
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_Octagonal_Shape_float
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 404
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_Octagonal_Shape_float_-with_complexity
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 409
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_Octagonal_Shape_int16_t
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 403
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_Octagonal_Shape_int32_t
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 403
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_Octagonal_Shape_int64_t
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 403
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_Octagonal_Shape_int8_t
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 403
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_Octagonal_Shape_long_-double
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 405
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_Octagonal_Shape_mpq_class
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 403
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_Octagonal_Shape_mpz_class
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 403
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_Rational_Box
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 402
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_Rational_Box_with_-complexity
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 406
ppl_new_Constraints_Product_NNC_Polyhedron_-Grid_from_space_dimension
ppl_Constraints_Product_NNC_Polyhedron_-Grid_tag, 401

ppl_new_Constraints_Product_NNC_Polyhedron_-
Grid_from_Uint16_Box
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 401
ppl_new_Constraints_Product_NNC_Polyhedron_-
Grid_from_Uint16_Box_with_-
complexity
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 406
ppl_new_Constraints_Product_NNC_Polyhedron_-
Grid_from_Uint32_Box
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 402
ppl_new_Constraints_Product_NNC_Polyhedron_-
Grid_from_Uint32_Box_with_-
complexity
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 406
ppl_new_Constraints_Product_NNC_Polyhedron_-
Grid_from_Uint64_Box
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 402
ppl_new_Constraints_Product_NNC_Polyhedron_-
Grid_from_Uint64_Box_with_-
complexity
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 406
ppl_new_Constraints_Product_NNC_Polyhedron_-
Grid_from_Uint8_Box
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 401
ppl_new_Constraints_Product_NNC_Polyhedron_-
Grid_from_Uint8_Box_with_complexity
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 406
ppl_new_Constraints_Product_NNC_Polyhedron_-
Grid_from_Z_Box
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 402
ppl_new_Constraints_Product_NNC_Polyhedron_-
Grid_from_Z_Box_with_complexity
ppl_Constraints_Product_NNC_Polyhedron_-
Grid_tag, 406
ppl_new_Double_Box_from_BD_Shape_double
ppl_Double_Box_tag, 428
ppl_new_Double_Box_from_BD_Shape_double_-
with_complexity
ppl_Double_Box_tag, 432
ppl_new_Double_Box_from_BD_Shape_float
ppl_Double_Box_tag, 428
ppl_new_Double_Box_from_BD_Shape_float_-
with_complexity
ppl_Double_Box_tag, 432
ppl_new_Double_Box_from_BD_Shape_int16_t
ppl_Double_Box_tag, 426
ppl_new_Double_Box_from_BD_Shape_int16_t_-
with_complexity
ppl_Double_Box_tag, 430
ppl_new_Double_Box_from_BD_Shape_int32_t
ppl_Double_Box_tag, 426
ppl_new_Double_Box_from_BD_Shape_int32_t_-
with_complexity
ppl_Double_Box_tag, 430
ppl_new_Double_Box_from_BD_Shape_int64_t
ppl_Double_Box_tag, 426
ppl_new_Double_Box_from_BD_Shape_int64_t_-
with_complexity
ppl_Double_Box_tag, 430
ppl_new_Double_Box_from_BD_Shape_int8_t
ppl_Double_Box_tag, 426
ppl_new_Double_Box_from_BD_Shape_int8_t_-
with_complexity
ppl_Double_Box_tag, 430
ppl_new_Double_Box_from_BD_Shape_long_-
double
ppl_Double_Box_tag, 428
ppl_new_Double_Box_from_BD_Shape_long_-
double_with_complexity
ppl_Double_Box_tag, 432
ppl_new_Double_Box_from_BD_Shape_mpq_-
class
ppl_Double_Box_tag, 426
ppl_new_Double_Box_from_BD_Shape_mpq_-
class_with_complexity
ppl_Double_Box_tag, 430
ppl_new_Double_Box_from_BD_Shape_mpz_-
class
ppl_Double_Box_tag, 426
ppl_new_Double_Box_from_BD_Shape_mpz_-
class_with_complexity
ppl_Double_Box_tag, 430
ppl_new_Double_Box_from_C_Polyhedron
ppl_Double_Box_tag, 427
ppl_new_Double_Box_from_C_Polyhedron_-
with_complexity
ppl_Double_Box_tag, 431
ppl_new_Double_Box_from_Congruence_System
ppl_Double_Box_tag, 433
ppl_new_Double_Box_from_Constraint_System
ppl_Double_Box_tag, 433
ppl_new_Double_Box_from_Double_Box
ppl_Double_Box_tag, 428
ppl_new_Double_Box_from_Double_Box_with_-
complexity
ppl_Double_Box_tag, 432
ppl_new_Double_Box_from_Float_Box
ppl_Double_Box_tag, 427

ppl_new_Double_Box_from_Float_Box_with_-complexity
ppl_Double_Box_tag, 431
ppl_new_Double_Box_from_Generator_System
ppl_Double_Box_tag, 433
ppl_new_Double_Box_from_Grid
ppl_Double_Box_tag, 427
ppl_new_Double_Box_from_Grid_with_-complexity
ppl_Double_Box_tag, 431
ppl_new_Double_Box_from_Int16_Box
ppl_Double_Box_tag, 425
ppl_new_Double_Box_from_Int16_Box_with_-complexity
ppl_Double_Box_tag, 429
ppl_new_Double_Box_from_Int32_Box
ppl_Double_Box_tag, 425
ppl_new_Double_Box_from_Int32_Box_with_-complexity
ppl_Double_Box_tag, 429
ppl_new_Double_Box_from_Int64_Box
ppl_Double_Box_tag, 425
ppl_new_Double_Box_from_Int64_Box_with_-complexity
ppl_Double_Box_tag, 429
ppl_new_Double_Box_from_Int8_Box
ppl_Double_Box_tag, 425
ppl_new_Double_Box_from_Int8_Box_with_-complexity
ppl_Double_Box_tag, 428
ppl_new_Double_Box_from_Long_Double_Box
ppl_Double_Box_tag, 428
ppl_new_Double_Box_from_Long_Double_Box_-with_complexity
ppl_Double_Box_tag, 432
ppl_new_Double_Box_from_NNC_Polyhedron
ppl_Double_Box_tag, 427
ppl_new_Double_Box_from_NNC_Polyhedron_-with_complexity
ppl_Double_Box_tag, 431
ppl_new_Double_Box_from_Octagonal_Shape_-double
ppl_Double_Box_tag, 428
ppl_new_Double_Box_from_Octagonal_Shape_-double_with_complexity
ppl_Double_Box_tag, 432
ppl_new_Double_Box_from_Octagonal_Shape_-float
ppl_Double_Box_tag, 428
ppl_new_Double_Box_from_Octagonal_Shape_-float_with_complexity
ppl_Double_Box_tag, 432
ppl_new_Double_Box_from_Octagonal_Shape_-int16_t
ppl_Double_Box_tag, 427
ppl_new_Double_Box_from_Octagonal_Shape_-int16_t_with_complexity
ppl_Double_Box_tag, 430
ppl_new_Double_Box_from_Octagonal_Shape_-int32_t
ppl_Double_Box_tag, 427
ppl_new_Double_Box_from_Octagonal_Shape_-int32_t_with_complexity
ppl_Double_Box_tag, 431
ppl_new_Double_Box_from_Octagonal_Shape_-int64_t
ppl_Double_Box_tag, 427
ppl_new_Double_Box_from_Octagonal_Shape_-int64_t_with_complexity
ppl_Double_Box_tag, 431
ppl_new_Double_Box_from_Octagonal_Shape_-int8_t
ppl_Double_Box_tag, 426
ppl_new_Double_Box_from_Octagonal_Shape_-int8_t_with_complexity
ppl_Double_Box_tag, 430
ppl_new_Double_Box_from_Octagonal_Shape_-long_double
ppl_Double_Box_tag, 428
ppl_new_Double_Box_from_Octagonal_Shape_-long_double_with_complexity
ppl_Double_Box_tag, 432
ppl_new_Double_Box_from_Octagonal_Shape_-mpq_class
ppl_Double_Box_tag, 427
ppl_new_Double_Box_from_Octagonal_Shape_-mpq_class_with_complexity
ppl_Double_Box_tag, 431
ppl_new_Double_Box_from_Octagonal_Shape_-mpz_class
ppl_Double_Box_tag, 427
ppl_new_Double_Box_from_Octagonal_Shape_-mpz_class_with_complexity
ppl_Double_Box_tag, 431
ppl_new_Double_Box_from_Rational_Box
ppl_Double_Box_tag, 426
ppl_new_Double_Box_from_Rational_Box_with_-complexity
ppl_Double_Box_tag, 429
ppl_new_Double_Box_from_space_dimension
ppl_Double_Box_tag, 425
ppl_new_Double_Box_from_Uint16_Box
ppl_Double_Box_tag, 425
ppl_new_Double_Box_from_Uint16_Box_with_-complexity
ppl_Double_Box_tag, 429
ppl_new_Double_Box_from_Uint32_Box
ppl_Double_Box_tag, 425

ppl_new_Double_Box_from_Uint32_Box_with_-complexity
ppl_Double_Box_tag, 429
ppl_new_Double_Box_from_Uint64_Box
ppl_Double_Box_tag, 425
ppl_new_Double_Box_from_Uint64_Box_with_-complexity
ppl_Double_Box_tag, 429
ppl_new_Double_Box_from_Uint8_Box
ppl_Double_Box_tag, 425
ppl_new_Double_Box_from_Uint8_Box_with_-complexity
ppl_Double_Box_tag, 429
ppl_new_Double_Box_from_Z_Box
ppl_Double_Box_tag, 426
ppl_new_Double_Box_from_Z_Box_with_-complexity
ppl_Double_Box_tag, 429
ppl_new_Double_Box_recycle_Congruence_-System
ppl_Double_Box_tag, 441
ppl_new_Double_Box_recycle_Constraint_System
ppl_Double_Box_tag, 441
ppl_new_Double_Box_recycle_Generator_System
ppl_Double_Box_tag, 441
ppl_new_Float_Box_from_BD_Shape_double
ppl_Float_Box_tag, 453
ppl_new_Float_Box_from_BD_Shape_double_-with_complexity
ppl_Float_Box_tag, 456
ppl_new_Float_Box_from_BD_Shape_float
ppl_Float_Box_tag, 452
ppl_new_Float_Box_from_BD_Shape_float_-with_complexity
ppl_Float_Box_tag, 456
ppl_new_Float_Box_from_BD_Shape_int16_t
ppl_Float_Box_tag, 451
ppl_new_Float_Box_from_BD_Shape_int16_t_-with_complexity
ppl_Float_Box_tag, 454
ppl_new_Float_Box_from_BD_Shape_int32_t
ppl_Float_Box_tag, 451
ppl_new_Float_Box_from_BD_Shape_int32_t_-with_complexity
ppl_Float_Box_tag, 455
ppl_new_Float_Box_from_BD_Shape_int64_t
ppl_Float_Box_tag, 451
ppl_new_Float_Box_from_BD_Shape_int64_t_-with_complexity
ppl_Float_Box_tag, 455
ppl_new_Float_Box_from_BD_Shape_int8_t
ppl_Float_Box_tag, 451
ppl_new_Float_Box_from_BD_Shape_int8_t_-with_complexity
ppl_Float_Box_tag, 454
ppl_new_Float_Box_from_BD_Shape_long_-double
ppl_Float_Box_tag, 453
ppl_new_Float_Box_from_BD_Shape_long_-double_with_complexity
ppl_Float_Box_tag, 457
ppl_new_Float_Box_from_BD_Shape_mpq_class
ppl_Float_Box_tag, 451
ppl_new_Float_Box_from_BD_Shape_mpq_-class_with_complexity
ppl_Float_Box_tag, 455
ppl_new_Float_Box_from_BD_Shape_mpz_class
ppl_Float_Box_tag, 451
ppl_new_Float_Box_from_BD_Shape_mpz_-class_with_complexity
ppl_Float_Box_tag, 455
ppl_new_Float_Box_from_C_Polyhedron
ppl_Float_Box_tag, 452
ppl_new_Float_Box_from_C_Polyhedron_with_-complexity
ppl_Float_Box_tag, 456
ppl_new_Float_Box_from_Congruence_System
ppl_Float_Box_tag, 457
ppl_new_Float_Box_from_Constraint_System
ppl_Float_Box_tag, 457
ppl_new_Float_Box_from_Double_Box
ppl_Float_Box_tag, 453
ppl_new_Float_Box_from_Double_Box_with_-complexity
ppl_Float_Box_tag, 456
ppl_new_Float_Box_from_Float_Box
ppl_Float_Box_tag, 452
ppl_new_Float_Box_from_Float_Box_with_-complexity
ppl_Float_Box_tag, 456
ppl_new_Float_Box_from_Generator_System
ppl_Float_Box_tag, 457
ppl_new_Float_Box_from_Grid
ppl_Float_Box_tag, 452
ppl_new_Float_Box_from_Grid_with_complexity
ppl_Float_Box_tag, 456
ppl_new_Float_Box_from_Int16_Box
ppl_Float_Box_tag, 450
ppl_new_Float_Box_from_Int16_Box_with_-complexity
ppl_Float_Box_tag, 453
ppl_new_Float_Box_from_Int32_Box
ppl_Float_Box_tag, 450
ppl_new_Float_Box_from_Int32_Box_with_-complexity
ppl_Float_Box_tag, 453
ppl_new_Float_Box_from_Int64_Box
ppl_Float_Box_tag, 450

ppl_new_Float_Box_from_Int64_Box_with_-complexity
ppl_Float_Box_tag, 454
ppl_new_Float_Box_from_Int8_Box
ppl_Float_Box_tag, 449
ppl_new_Float_Box_from_Int8_Box_with_-complexity
ppl_Float_Box_tag, 453
ppl_new_Float_Box_from_Long_Double_Box
ppl_Float_Box_tag, 453
ppl_new_Float_Box_from_Long_Double_Box_-with_complexity
ppl_Float_Box_tag, 457
ppl_new_Float_Box_from_NNC_Polyhedron
ppl_Float_Box_tag, 452
ppl_new_Float_Box_from_NNC_Polyhedron_-with_complexity
ppl_Float_Box_tag, 456
ppl_new_Float_Box_from_Octagonal_Shape_-double
ppl_Float_Box_tag, 453
ppl_new_Float_Box_from_Octagonal_Shape_-double_with_complexity
ppl_Float_Box_tag, 457
ppl_new_Float_Box_from_Octagonal_Shape_float
ppl_Float_Box_tag, 452
ppl_new_Float_Box_from_Octagonal_Shape_-float_with_complexity
ppl_Float_Box_tag, 456
ppl_new_Float_Box_from_Octagonal_Shape_-int16_t
ppl_Float_Box_tag, 451
ppl_new_Float_Box_from_Octagonal_Shape_-int16_t_with_complexity
ppl_Float_Box_tag, 455
ppl_new_Float_Box_from_Octagonal_Shape_-int32_t
ppl_Float_Box_tag, 451
ppl_new_Float_Box_from_Octagonal_Shape_-int32_t_with_complexity
ppl_Float_Box_tag, 455
ppl_new_Float_Box_from_Octagonal_Shape_-int64_t
ppl_Float_Box_tag, 452
ppl_new_Float_Box_from_Octagonal_Shape_-int64_t_with_complexity
ppl_Float_Box_tag, 455
ppl_new_Float_Box_from_Octagonal_Shape_-int8_t
ppl_Float_Box_tag, 451
ppl_new_Float_Box_from_Octagonal_Shape_-int8_t_with_complexity
ppl_Float_Box_tag, 455
ppl_new_Float_Box_from_Octagonal_Shape_-long_double
ppl_Float_Box_tag, 453
ppl_new_Float_Box_from_Octagonal_Shape_-long_double_with_complexity
ppl_Float_Box_tag, 457
ppl_new_Float_Box_from_Octagonal_Shape_-mpq_class
ppl_Float_Box_tag, 452
ppl_new_Float_Box_from_Octagonal_Shape_-mpq_class_with_complexity
ppl_Float_Box_tag, 456
ppl_new_Float_Box_from_Octagonal_Shape_-mpz_class
ppl_Float_Box_tag, 452
ppl_new_Float_Box_from_Octagonal_Shape_-mpz_class_with_complexity
ppl_Float_Box_tag, 455
ppl_new_Float_Box_from_Rational_Box
ppl_Float_Box_tag, 450
ppl_new_Float_Box_from_Rational_Box_with_-complexity
ppl_Float_Box_tag, 454
ppl_new_Float_Box_from_space_dimension
ppl_Float_Box_tag, 449
ppl_new_Float_Box_from_Uint16_Box
ppl_Float_Box_tag, 450
ppl_new_Float_Box_from_Uint16_Box_with_-complexity
ppl_Float_Box_tag, 454
ppl_new_Float_Box_from_Uint32_Box
ppl_Float_Box_tag, 450
ppl_new_Float_Box_from_Uint32_Box_with_-complexity
ppl_Float_Box_tag, 454
ppl_new_Float_Box_from_Uint64_Box
ppl_Float_Box_tag, 450
ppl_new_Float_Box_from_Uint64_Box_with_-complexity
ppl_Float_Box_tag, 454
ppl_new_Float_Box_from_Uint8_Box
ppl_Float_Box_tag, 450
ppl_new_Float_Box_from_Uint8_Box_with_-complexity
ppl_Float_Box_tag, 454
ppl_new_Float_Box_from_Z_Box
ppl_Float_Box_tag, 450
ppl_new_Float_Box_from_Z_Box_with_-complexity
ppl_Float_Box_tag, 454
ppl_new_Float_Box_recycle_Congruence_System
ppl_Float_Box_tag, 466
ppl_new_Float_Box_recycle_Constraint_System
ppl_Float_Box_tag, 465

ppl_new_Float_Box_recycle_Generator_System
ppl_Float_Box_tag, 466
ppl_new_Grid_from_BD_Shape_double
ppl_Grid_tag, 485
ppl_new_Grid_from_BD_Shape_double_with_-
complexity
ppl_Grid_tag, 489
ppl_new_Grid_from_BD_Shape_float
ppl_Grid_tag, 485
ppl_new_Grid_from_BD_Shape_float_with_-
complexity
ppl_Grid_tag, 489
ppl_new_Grid_from_BD_Shape_int16_t
ppl_Grid_tag, 484
ppl_new_Grid_from_BD_Shape_int16_t_with_-
complexity
ppl_Grid_tag, 487
ppl_new_Grid_from_BD_Shape_int32_t
ppl_Grid_tag, 484
ppl_new_Grid_from_BD_Shape_int32_t_with_-
complexity
ppl_Grid_tag, 487
ppl_new_Grid_from_BD_Shape_int64_t
ppl_Grid_tag, 484
ppl_new_Grid_from_BD_Shape_int64_t_with_-
complexity
ppl_Grid_tag, 487
ppl_new_Grid_from_BD_Shape_int8_t
ppl_Grid_tag, 483
ppl_new_Grid_from_BD_Shape_int8_t_with_-
complexity
ppl_Grid_tag, 487
ppl_new_Grid_from_BD_Shape_long_double
ppl_Grid_tag, 486
ppl_new_Grid_from_BD_Shape_long_double_-
with_complexity
ppl_Grid_tag, 490
ppl_new_Grid_from_BD_Shape_mpq_class
ppl_Grid_tag, 484
ppl_new_Grid_from_BD_Shape_mpq_class_-
with_complexity
ppl_Grid_tag, 488
ppl_new_Grid_from_BD_Shape_mpz_class
ppl_Grid_tag, 484
ppl_new_Grid_from_BD_Shape_mpz_class_-
with_complexity
ppl_Grid_tag, 488
ppl_new_Grid_from_C_Polyhedron
ppl_Grid_tag, 485
ppl_new_Grid_from_C_Polyhedron_with_-
complexity
ppl_Grid_tag, 488
ppl_new_Grid_from_Congruence_System
ppl_Grid_tag, 490
ppl_new_Grid_from_Constraint_System
ppl_Grid_tag, 490
ppl_new_Grid_from_Double_Box
ppl_Grid_tag, 485
ppl_new_Grid_from_Double_Box_with_-
complexity
ppl_Grid_tag, 489
ppl_new_Grid_from_Float_Box
ppl_Grid_tag, 485
ppl_new_Grid_from_Float_Box_with_complexity
ppl_Grid_tag, 489
ppl_new_Grid_from_Grid
ppl_Grid_tag, 485
ppl_new_Grid_from_Grid_Generator_System
ppl_Grid_tag, 490
ppl_new_Grid_from_Grid_with_complexity
ppl_Grid_tag, 489
ppl_new_Grid_from_Int16_Box
ppl_Grid_tag, 482
ppl_new_Grid_from_Int16_Box_with_complexity
ppl_Grid_tag, 486
ppl_new_Grid_from_Int32_Box
ppl_Grid_tag, 483
ppl_new_Grid_from_Int32_Box_with_complexity
ppl_Grid_tag, 486
ppl_new_Grid_from_Int64_Box
ppl_Grid_tag, 483
ppl_new_Grid_from_Int64_Box_with_complexity
ppl_Grid_tag, 486
ppl_new_Grid_from_Int8_Box
ppl_Grid_tag, 482
ppl_new_Grid_from_Int8_Box_with_complexity
ppl_Grid_tag, 486
ppl_new_Grid_from_Long_Double_Box
ppl_Grid_tag, 486
ppl_new_Grid_from_Long_Double_Box_with_-
complexity
ppl_Grid_tag, 489
ppl_new_Grid_from_NNC_Polyhedron
ppl_Grid_tag, 485
ppl_new_Grid_from_NNC_Polyhedron_with_-
complexity
ppl_Grid_tag, 489
ppl_new_Grid_from_Octagonal_Shape_double
ppl_Grid_tag, 486
ppl_new_Grid_from_Octagonal_Shape_double_-
with_complexity
ppl_Grid_tag, 489
ppl_new_Grid_from_Octagonal_Shape_float
ppl_Grid_tag, 485
ppl_new_Grid_from_Octagonal_Shape_float_-
with_complexity
ppl_Grid_tag, 489
ppl_new_Grid_from_Octagonal_Shape_int16_t

ppl_Grid_tag, 484
ppl_new_Grid_from_Octagonal_Shape_int16_t_-with_complexity
ppl_Grid_tag, 488
ppl_new_Grid_from_Octagonal_Shape_int32_t
ppl_Grid_tag, 484
ppl_new_Grid_from_Octagonal_Shape_int32_t_-with_complexity
ppl_Grid_tag, 488
ppl_new_Grid_from_Octagonal_Shape_int64_t
ppl_Grid_tag, 484
ppl_new_Grid_from_Octagonal_Shape_int64_t_-with_complexity
ppl_Grid_tag, 488
ppl_new_Grid_from_Octagonal_Shape_int8_t
ppl_Grid_tag, 484
ppl_new_Grid_from_Octagonal_Shape_int8_t_-with_complexity
ppl_Grid_tag, 488
ppl_new_Grid_from_Octagonal_Shape_long_-double
ppl_Grid_tag, 486
ppl_new_Grid_from_Octagonal_Shape_long_-double_with_complexity
ppl_Grid_tag, 490
ppl_new_Grid_from_Octagonal_Shape_mpq_class
ppl_Grid_tag, 485
ppl_new_Grid_from_Octagonal_Shape_mpq_-class_with_complexity
ppl_Grid_tag, 488
ppl_new_Grid_from_Octagonal_Shape_mpz_class
ppl_Grid_tag, 485
ppl_new_Grid_from_Octagonal_Shape_mpz_-class_with_complexity
ppl_Grid_tag, 488
ppl_new_Grid_from_Rational_Box
ppl_Grid_tag, 483
ppl_new_Grid_from_Rational_Box_with_-complexity
ppl_Grid_tag, 487
ppl_new_Grid_from_space_dimension
ppl_Grid_tag, 482
ppl_new_Grid_from_Uint16_Box
ppl_Grid_tag, 483
ppl_new_Grid_from_Uint16_Box_with_-complexity
ppl_Grid_tag, 487
ppl_new_Grid_from_Uint32_Box
ppl_Grid_tag, 483
ppl_new_Grid_from_Uint32_Box_with_-complexity
ppl_Grid_tag, 487
ppl_new_Grid_from_Uint64_Box
ppl_Grid_tag, 483
ppl_new_Grid_from_Uint64_Box_with_-complexity
ppl_Grid_tag, 487
ppl_new_Grid_from_Uint8_Box
ppl_Grid_tag, 483
ppl_new_Grid_from_Uint8_Box_with_complexity
ppl_Grid_tag, 486
ppl_new_Grid_from_Z_Box
ppl_Grid_tag, 483
ppl_new_Grid_from_Z_Box_with_complexity
ppl_Grid_tag, 487
ppl_new_Grid_recycle_Congruence_System
ppl_Grid_tag, 499
ppl_new_Grid_recycle_Constraint_System
ppl_Grid_tag, 499
ppl_new_Grid_recycle_Grid_Generator_System
ppl_Grid_tag, 499
ppl_new_Int16_Box_from_BD_Shape_double
ppl_Int16_Box_tag, 511
ppl_new_Int16_Box_from_BD_Shape_double_-with_complexity
ppl_Int16_Box_tag, 515
ppl_new_Int16_Box_from_BD_Shape_float
ppl_Int16_Box_tag, 511
ppl_new_Int16_Box_from_BD_Shape_float_-with_complexity
ppl_Int16_Box_tag, 514
ppl_new_Int16_Box_from_BD_Shape_int16_t
ppl_Int16_Box_tag, 509
ppl_new_Int16_Box_from_BD_Shape_int16_t_-with_complexity
ppl_Int16_Box_tag, 513
ppl_new_Int16_Box_from_BD_Shape_int32_t
ppl_Int16_Box_tag, 509
ppl_new_Int16_Box_from_BD_Shape_int32_t_-with_complexity
ppl_Int16_Box_tag, 513
ppl_new_Int16_Box_from_BD_Shape_int64_t
ppl_Int16_Box_tag, 509
ppl_new_Int16_Box_from_BD_Shape_int64_t_-with_complexity
ppl_Int16_Box_tag, 513
ppl_new_Int16_Box_from_BD_Shape_int8_t
ppl_Int16_Box_tag, 509
ppl_new_Int16_Box_from_BD_Shape_int8_t_-with_complexity
ppl_Int16_Box_tag, 513
ppl_new_Int16_Box_from_BD_Shape_long_-double
ppl_Int16_Box_tag, 511
ppl_new_Int16_Box_from_BD_Shape_long_-double_with_complexity
ppl_Int16_Box_tag, 515
ppl_new_Int16_Box_from_BD_Shape_mpq_class

ppl_Int16_Box_tag, 509
ppl_new_Int16_Box_from_BD_Shape_mpq_-class_with_complexity
ppl_Int16_Box_tag, 513
ppl_new_Int16_Box_from_BD_Shape_mpz_class
ppl_Int16_Box_tag, 509
ppl_new_Int16_Box_from_BD_Shape_mpz_-class_with_complexity
ppl_Int16_Box_tag, 513
ppl_new_Int16_Box_from_C_Polyhedron
ppl_Int16_Box_tag, 510
ppl_new_Int16_Box_from_C_Polyhedron_with_-complexity
ppl_Int16_Box_tag, 514
ppl_new_Int16_Box_from_Congruence_System
ppl_Int16_Box_tag, 515
ppl_new_Int16_Box_from_Constraint_System
ppl_Int16_Box_tag, 515
ppl_new_Int16_Box_from_Double_Box
ppl_Int16_Box_tag, 511
ppl_new_Int16_Box_from_Double_Box_with_-complexity
ppl_Int16_Box_tag, 515
ppl_new_Int16_Box_from_Float_Box
ppl_Int16_Box_tag, 510
ppl_new_Int16_Box_from_Float_Box_with_-complexity
ppl_Int16_Box_tag, 514
ppl_new_Int16_Box_from_Generator_System
ppl_Int16_Box_tag, 515
ppl_new_Int16_Box_from_Grid
ppl_Int16_Box_tag, 510
ppl_new_Int16_Box_from_Grid_with_complexity
ppl_Int16_Box_tag, 514
ppl_new_Int16_Box_from_Int16_Box
ppl_Int16_Box_tag, 508
ppl_new_Int16_Box_from_Int16_Box_with_-complexity
ppl_Int16_Box_tag, 512
ppl_new_Int16_Box_from_Int32_Box
ppl_Int16_Box_tag, 508
ppl_new_Int16_Box_from_Int32_Box_with_-complexity
ppl_Int16_Box_tag, 512
ppl_new_Int16_Box_from_Int64_Box
ppl_Int16_Box_tag, 508
ppl_new_Int16_Box_from_Int64_Box_with_-complexity
ppl_Int16_Box_tag, 512
ppl_new_Int16_Box_from_Int8_Box
ppl_Int16_Box_tag, 508
ppl_new_Int16_Box_from_Int8_Box_with_-complexity
ppl_Int16_Box_tag, 511
ppl_new_Int16_Box_from_Long_Double_Box
ppl_Int16_Box_tag, 511
ppl_new_Int16_Box_from_Long_Double_Box_-with_complexity
ppl_Int16_Box_tag, 515
ppl_new_Int16_Box_from_NNC_Polyhedron
ppl_Int16_Box_tag, 510
ppl_new_Int16_Box_from_NNC_Polyhedron_-with_complexity
ppl_Int16_Box_tag, 514
ppl_new_Int16_Box_from_Octagonal_Shape_-double
ppl_Int16_Box_tag, 511
ppl_new_Int16_Box_from_Octagonal_Shape_-double_with_complexity
ppl_Int16_Box_tag, 515
ppl_new_Int16_Box_from_Octagonal_Shape_float
ppl_Int16_Box_tag, 511
ppl_new_Int16_Box_from_Octagonal_Shape_-float_with_complexity
ppl_Int16_Box_tag, 514
ppl_new_Int16_Box_from_Octagonal_Shape_-int16_t
ppl_Int16_Box_tag, 510
ppl_new_Int16_Box_from_Octagonal_Shape_-int16_t_with_complexity
ppl_Int16_Box_tag, 513
ppl_new_Int16_Box_from_Octagonal_Shape_-int32_t
ppl_Int16_Box_tag, 510
ppl_new_Int16_Box_from_Octagonal_Shape_-int32_t_with_complexity
ppl_Int16_Box_tag, 513
ppl_new_Int16_Box_from_Octagonal_Shape_-int64_t
ppl_Int16_Box_tag, 510
ppl_new_Int16_Box_from_Octagonal_Shape_-int64_t_with_complexity
ppl_Int16_Box_tag, 514
ppl_new_Int16_Box_from_Octagonal_Shape_-int8_t
ppl_Int16_Box_tag, 509
ppl_new_Int16_Box_from_Octagonal_Shape_-int8_t_with_complexity
ppl_Int16_Box_tag, 513
ppl_new_Int16_Box_from_Octagonal_Shape_-long_double
ppl_Int16_Box_tag, 511
ppl_new_Int16_Box_from_Octagonal_Shape_-long_double_with_complexity
ppl_Int16_Box_tag, 515
ppl_new_Int16_Box_from_Octagonal_Shape_-mpq_class
ppl_Int16_Box_tag, 510

ppl_new_Int16_Box_from_Octagonal_Shape_-
mpq_class_with_complexity
ppl_Int16_Box_tag, 514
ppl_new_Int16_Box_from_Octagonal_Shape_-
mpz_class
ppl_Int16_Box_tag, 510
ppl_new_Int16_Box_from_Octagonal_Shape_-
mpz_class_with_complexity
ppl_Int16_Box_tag, 514
ppl_new_Int16_Box_from_Rational_Box
ppl_Int16_Box_tag, 509
ppl_new_Int16_Box_from_Rational_Box_with_-
complexity
ppl_Int16_Box_tag, 512
ppl_new_Int16_Box_from_space_dimension
ppl_Int16_Box_tag, 508
ppl_new_Int16_Box_from_Uint16_Box
ppl_Int16_Box_tag, 508
ppl_new_Int16_Box_from_Uint16_Box_with_-
complexity
ppl_Int16_Box_tag, 512
ppl_new_Int16_Box_from_Uint32_Box
ppl_Int16_Box_tag, 508
ppl_new_Int16_Box_from_Uint32_Box_with_-
complexity
ppl_Int16_Box_tag, 512
ppl_new_Int16_Box_from_Uint64_Box
ppl_Int16_Box_tag, 508
ppl_new_Int16_Box_from_Uint64_Box_with_-
complexity
ppl_Int16_Box_tag, 512
ppl_new_Int16_Box_from_Uint8_Box
ppl_Int16_Box_tag, 508
ppl_new_Int16_Box_from_Uint8_Box_with_-
complexity
ppl_Int16_Box_tag, 512
ppl_new_Int16_Box_from_Z_Box
ppl_Int16_Box_tag, 509
ppl_new_Int16_Box_from_Z_Box_with_-
complexity
ppl_Int16_Box_tag, 512
ppl_new_Int16_Box_recycle_Congruence_System
ppl_Int16_Box_tag, 524
ppl_new_Int16_Box_recycle_Constraint_System
ppl_Int16_Box_tag, 524
ppl_new_Int16_Box_recycle_Generator_System
ppl_Int16_Box_tag, 524
ppl_new_Int32_Box_from_BD_Shape_double
ppl_Int32_Box_tag, 535
ppl_new_Int32_Box_from_BD_Shape_double_-
with_complexity
ppl_Int32_Box_tag, 539
ppl_new_Int32_Box_from_BD_Shape_float
ppl_Int32_Box_tag, 535
ppl_new_Int32_Box_from_BD_Shape_float_-
with_complexity
ppl_Int32_Box_tag, 539
ppl_new_Int32_Box_from_BD_Shape_int16_t
ppl_Int32_Box_tag, 533
ppl_new_Int32_Box_from_BD_Shape_int16_t_-
with_complexity
ppl_Int32_Box_tag, 537
ppl_new_Int32_Box_from_BD_Shape_int32_t
ppl_Int32_Box_tag, 533
ppl_new_Int32_Box_from_BD_Shape_int32_t_-
with_complexity
ppl_Int32_Box_tag, 537
ppl_new_Int32_Box_from_BD_Shape_int64_t
ppl_Int32_Box_tag, 534
ppl_new_Int32_Box_from_BD_Shape_int64_t_-
with_complexity
ppl_Int32_Box_tag, 537
ppl_new_Int32_Box_from_BD_Shape_int8_t
ppl_Int32_Box_tag, 533
ppl_new_Int32_Box_from_BD_Shape_int8_t_-
with_complexity
ppl_Int32_Box_tag, 537
ppl_new_Int32_Box_from_BD_Shape_long_-
double
ppl_Int32_Box_tag, 536
ppl_new_Int32_Box_from_BD_Shape_long_-
double_with_complexity
ppl_Int32_Box_tag, 540
ppl_new_Int32_Box_from_BD_Shape_mpq_class
ppl_Int32_Box_tag, 534
ppl_new_Int32_Box_from_BD_Shape_mpq_-
class_with_complexity
ppl_Int32_Box_tag, 538
ppl_new_Int32_Box_from_BD_Shape_mpz_class
ppl_Int32_Box_tag, 534
ppl_new_Int32_Box_from_BD_Shape_mpz_-
class_with_complexity
ppl_Int32_Box_tag, 537
ppl_new_Int32_Box_from_C_Polyhedron
ppl_Int32_Box_tag, 535
ppl_new_Int32_Box_from_C_Polyhedron_with_-
complexity
ppl_Int32_Box_tag, 538
ppl_new_Int32_Box_from_Congruence_System
ppl_Int32_Box_tag, 540
ppl_new_Int32_Box_from_Constraint_System
ppl_Int32_Box_tag, 540
ppl_new_Int32_Box_from_Double_Box
ppl_Int32_Box_tag, 535
ppl_new_Int32_Box_from_Double_Box_with_-
complexity
ppl_Int32_Box_tag, 539
ppl_new_Int32_Box_from_Float_Box

ppl_Int32_Box_tag, 535
ppl_new_Int32_Box_from_Float_Box_with_-complexity
ppl_Int32_Box_tag, 539
ppl_new_Int32_Box_from_Generator_System
ppl_Int32_Box_tag, 540
ppl_new_Int32_Box_from_Grid
ppl_Int32_Box_tag, 535
ppl_new_Int32_Box_from_Grid_with_complexity
ppl_Int32_Box_tag, 539
ppl_new_Int32_Box_from_Int16_Box
ppl_Int32_Box_tag, 532
ppl_new_Int32_Box_from_Int16_Box_with_-complexity
ppl_Int32_Box_tag, 536
ppl_new_Int32_Box_from_Int32_Box
ppl_Int32_Box_tag, 532
ppl_new_Int32_Box_from_Int32_Box_with_-complexity
ppl_Int32_Box_tag, 536
ppl_new_Int32_Box_from_Int64_Box
ppl_Int32_Box_tag, 532
ppl_new_Int32_Box_from_Int64_Box_with_-complexity
ppl_Int32_Box_tag, 536
ppl_new_Int32_Box_from_Int8_Box
ppl_Int32_Box_tag, 532
ppl_new_Int32_Box_from_Int8_Box_with_-complexity
ppl_Int32_Box_tag, 536
ppl_new_Int32_Box_from_Long_Double_Box
ppl_Int32_Box_tag, 536
ppl_new_Int32_Box_from_Long_Double_Box_-with_complexity
ppl_Int32_Box_tag, 539
ppl_new_Int32_Box_from_NNC_Polyhedron
ppl_Int32_Box_tag, 535
ppl_new_Int32_Box_from_NNC_Polyhedron_-with_complexity
ppl_Int32_Box_tag, 539
ppl_new_Int32_Box_from_Octagonal_Shape_-double
ppl_Int32_Box_tag, 535
ppl_new_Int32_Box_from_Octagonal_Shape_-double_with_complexity
ppl_Int32_Box_tag, 539
ppl_new_Int32_Box_from_Octagonal_Shape_float
ppl_Int32_Box_tag, 535
ppl_new_Int32_Box_from_Octagonal_Shape_-float_with_complexity
ppl_Int32_Box_tag, 539
ppl_new_Int32_Box_from_Octagonal_Shape_-int16_t
ppl_Int32_Box_tag, 534
ppl_new_Int32_Box_from_Octagonal_Shape_-int16_t_with_complexity
ppl_Int32_Box_tag, 538
ppl_new_Int32_Box_from_Octagonal_Shape_-int32_t
ppl_Int32_Box_tag, 534
ppl_new_Int32_Box_from_Octagonal_Shape_-int32_t_with_complexity
ppl_Int32_Box_tag, 538
ppl_new_Int32_Box_from_Octagonal_Shape_-int64_t
ppl_Int32_Box_tag, 534
ppl_new_Int32_Box_from_Octagonal_Shape_-int64_t_with_complexity
ppl_Int32_Box_tag, 538
ppl_new_Int32_Box_from_Octagonal_Shape_-int8_t
ppl_Int32_Box_tag, 534
ppl_new_Int32_Box_from_Octagonal_Shape_-int8_t_with_complexity
ppl_Int32_Box_tag, 538
ppl_new_Int32_Box_from_Octagonal_Shape_-long_double
ppl_Int32_Box_tag, 536
ppl_new_Int32_Box_from_Octagonal_Shape_-long_double_with_complexity
ppl_Int32_Box_tag, 540
ppl_new_Int32_Box_from_Octagonal_Shape_-mpq_class
ppl_Int32_Box_tag, 534
ppl_new_Int32_Box_from_Octagonal_Shape_-mpq_class_with_complexity
ppl_Int32_Box_tag, 538
ppl_new_Int32_Box_from_Octagonal_Shape_-mpz_class
ppl_Int32_Box_tag, 534
ppl_new_Int32_Box_from_Octagonal_Shape_-mpz_class_with_complexity
ppl_Int32_Box_tag, 538
ppl_new_Int32_Box_from_Rational_Box
ppl_Int32_Box_tag, 533
ppl_new_Int32_Box_from_Rational_Box_with_-complexity
ppl_Int32_Box_tag, 537
ppl_new_Int32_Box_from_space_dimension
ppl_Int32_Box_tag, 532
ppl_new_Int32_Box_from_Uint16_Box
ppl_Int32_Box_tag, 533
ppl_new_Int32_Box_from_Uint16_Box_with_-complexity
ppl_Int32_Box_tag, 536
ppl_new_Int32_Box_from_Uint32_Box
ppl_Int32_Box_tag, 533

ppl_new_Int32_Box_from_Uint32_Box_with_-complexity
ppl_Int32_Box_tag, 537
ppl_new_Int32_Box_from_Uint64_Box
ppl_Int32_Box_tag, 533
ppl_new_Int32_Box_from_Uint64_Box_with_-complexity
ppl_Int32_Box_tag, 537
ppl_new_Int32_Box_from_Uint8_Box
ppl_Int32_Box_tag, 533
ppl_new_Int32_Box_from_Uint8_Box_with_-complexity
ppl_Int32_Box_tag, 536
ppl_new_Int32_Box_from_Z_Box
ppl_Int32_Box_tag, 533
ppl_new_Int32_Box_from_Z_Box_with_-complexity
ppl_Int32_Box_tag, 537
ppl_new_Int32_Box_recycle_Congruence_System
ppl_Int32_Box_tag, 548
ppl_new_Int32_Box_recycle_Constraint_System
ppl_Int32_Box_tag, 548
ppl_new_Int32_Box_recycle_Generator_System
ppl_Int32_Box_tag, 549
ppl_new_Int64_Box_from_BD_Shape_double
ppl_Int64_Box_tag, 560
ppl_new_Int64_Box_from_BD_Shape_double_-with_complexity
ppl_Int64_Box_tag, 564
ppl_new_Int64_Box_from_BD_Shape_float
ppl_Int64_Box_tag, 560
ppl_new_Int64_Box_from_BD_Shape_float_-with_complexity
ppl_Int64_Box_tag, 564
ppl_new_Int64_Box_from_BD_Shape_int16_t
ppl_Int64_Box_tag, 558
ppl_new_Int64_Box_from_BD_Shape_int16_t_-with_complexity
ppl_Int64_Box_tag, 562
ppl_new_Int64_Box_from_BD_Shape_int32_t
ppl_Int64_Box_tag, 558
ppl_new_Int64_Box_from_BD_Shape_int32_t_-with_complexity
ppl_Int64_Box_tag, 562
ppl_new_Int64_Box_from_BD_Shape_int64_t
ppl_Int64_Box_tag, 558
ppl_new_Int64_Box_from_BD_Shape_int64_t_-with_complexity
ppl_Int64_Box_tag, 562
ppl_new_Int64_Box_from_BD_Shape_int8_t
ppl_Int64_Box_tag, 558
ppl_new_Int64_Box_from_BD_Shape_int8_t_-with_complexity
ppl_Int64_Box_tag, 562
ppl_new_Int64_Box_from_BD_Shape_long_-double
ppl_Int64_Box_tag, 560
ppl_new_Int64_Box_from_BD_Shape_long_-double_with_complexity
ppl_Int64_Box_tag, 564
ppl_new_Int64_Box_from_BD_Shape_mpq_class
ppl_Int64_Box_tag, 558
ppl_new_Int64_Box_from_BD_Shape_mpq_-class_with_complexity
ppl_Int64_Box_tag, 562
ppl_new_Int64_Box_from_BD_Shape_mpz_class
ppl_Int64_Box_tag, 558
ppl_new_Int64_Box_from_BD_Shape_mpz_-class_with_complexity
ppl_Int64_Box_tag, 562
ppl_new_Int64_Box_from_C_Polyhedron
ppl_Int64_Box_tag, 559
ppl_new_Int64_Box_from_C_Polyhedron_with_-complexity
ppl_Int64_Box_tag, 563
ppl_new_Int64_Box_from_Congruence_System
ppl_Int64_Box_tag, 565
ppl_new_Int64_Box_from_Constraint_System
ppl_Int64_Box_tag, 564
ppl_new_Int64_Box_from_Double_Box
ppl_Int64_Box_tag, 560
ppl_new_Int64_Box_from_Double_Box_with_-complexity
ppl_Int64_Box_tag, 564
ppl_new_Int64_Box_from_Float_Box
ppl_Int64_Box_tag, 560
ppl_new_Int64_Box_from_Float_Box_with_-complexity
ppl_Int64_Box_tag, 563
ppl_new_Int64_Box_from_Generator_System
ppl_Int64_Box_tag, 565
ppl_new_Int64_Box_from_Grid
ppl_Int64_Box_tag, 559
ppl_new_Int64_Box_from_Grid_with_complexity
ppl_Int64_Box_tag, 563
ppl_new_Int64_Box_from_Int16_Box
ppl_Int64_Box_tag, 557
ppl_new_Int64_Box_from_Int16_Box_with_-complexity
ppl_Int64_Box_tag, 561
ppl_new_Int64_Box_from_Int32_Box
ppl_Int64_Box_tag, 557
ppl_new_Int64_Box_from_Int32_Box_with_-complexity
ppl_Int64_Box_tag, 561
ppl_new_Int64_Box_from_Int64_Box
ppl_Int64_Box_tag, 557

ppl_new_Int64_Box_from_Int64_Box_with_-complexity
ppl_Int64_Box_tag, 561
ppl_new_Int64_Box_from_Int8_Box
ppl_Int64_Box_tag, 557
ppl_new_Int64_Box_from_Int8_Box_with_-complexity
ppl_Int64_Box_tag, 561
ppl_new_Int64_Box_from_Long_Double_Box
ppl_Int64_Box_tag, 560
ppl_new_Int64_Box_from_Long_Double_Box_-with_complexity
ppl_Int64_Box_tag, 564
ppl_new_Int64_Box_from_NNC_Polyhedron
ppl_Int64_Box_tag, 559
ppl_new_Int64_Box_from_NNC_Polyhedron_-with_complexity
ppl_Int64_Box_tag, 563
ppl_new_Int64_Box_from_Octagonal_Shape_-double
ppl_Int64_Box_tag, 560
ppl_new_Int64_Box_from_Octagonal_Shape_-double_with_complexity
ppl_Int64_Box_tag, 564
ppl_new_Int64_Box_from_Octagonal_Shape_float
ppl_Int64_Box_tag, 560
ppl_new_Int64_Box_from_Octagonal_Shape_-float_with_complexity
ppl_Int64_Box_tag, 564
ppl_new_Int64_Box_from_Octagonal_Shape_-int16_t
ppl_Int64_Box_tag, 559
ppl_new_Int64_Box_from_Octagonal_Shape_-int16_t_with_complexity
ppl_Int64_Box_tag, 562
ppl_new_Int64_Box_from_Octagonal_Shape_-int32_t
ppl_Int64_Box_tag, 559
ppl_new_Int64_Box_from_Octagonal_Shape_-int32_t_with_complexity
ppl_Int64_Box_tag, 563
ppl_new_Int64_Box_from_Octagonal_Shape_-int64_t
ppl_Int64_Box_tag, 559
ppl_new_Int64_Box_from_Octagonal_Shape_-int64_t_with_complexity
ppl_Int64_Box_tag, 563
ppl_new_Int64_Box_from_Octagonal_Shape_-int8_t
ppl_Int64_Box_tag, 559
ppl_new_Int64_Box_from_Octagonal_Shape_-int8_t_with_complexity
ppl_Int64_Box_tag, 562
ppl_new_Int64_Box_from_Octagonal_Shape_-long_double
ppl_Int64_Box_tag, 560
ppl_new_Int64_Box_from_Octagonal_Shape_-long_double_with_complexity
ppl_Int64_Box_tag, 564
ppl_new_Int64_Box_from_Octagonal_Shape_-mpq_class
ppl_Int64_Box_tag, 559
ppl_new_Int64_Box_from_Octagonal_Shape_-mpq_class_with_complexity
ppl_Int64_Box_tag, 563
ppl_new_Int64_Box_from_Octagonal_Shape_-mpz_class
ppl_Int64_Box_tag, 559
ppl_new_Int64_Box_from_Octagonal_Shape_-mpz_class_with_complexity
ppl_Int64_Box_tag, 563
ppl_new_Int64_Box_from_Rational_Box
ppl_Int64_Box_tag, 558
ppl_new_Int64_Box_from_Rational_Box_with_-complexity
ppl_Int64_Box_tag, 562
ppl_new_Int64_Box_from_space_dimension
ppl_Int64_Box_tag, 557
ppl_new_Int64_Box_from_Uint16_Box
ppl_Int64_Box_tag, 557
ppl_new_Int64_Box_from_Uint16_Box_with_-complexity
ppl_Int64_Box_tag, 561
ppl_new_Int64_Box_from_Uint32_Box
ppl_Int64_Box_tag, 557
ppl_new_Int64_Box_from_Uint32_Box_with_-complexity
ppl_Int64_Box_tag, 561
ppl_new_Int64_Box_from_Uint64_Box
ppl_Int64_Box_tag, 558
ppl_new_Int64_Box_from_Uint64_Box_with_-complexity
ppl_Int64_Box_tag, 561
ppl_new_Int64_Box_from_Uint8_Box
ppl_Int64_Box_tag, 557
ppl_new_Int64_Box_from_Uint8_Box_with_-complexity
ppl_Int64_Box_tag, 561
ppl_new_Int64_Box_from_Z_Box
ppl_Int64_Box_tag, 558
ppl_new_Int64_Box_from_Z_Box_with_-complexity
ppl_Int64_Box_tag, 561
ppl_new_Int64_Box_recycle_Congruence_System
ppl_Int64_Box_tag, 573
ppl_new_Int64_Box_recycle_Constraint_System
ppl_Int64_Box_tag, 573

ppl_new_Int64_Box_recycle_Generator_System
ppl_Int64_Box_tag, 573
ppl_new_Int8_Box_from_BD_Shape_double
ppl_Int8_Box_tag, 584
ppl_new_Int8_Box_from_BD_Shape_double_-
with_complexity
ppl_Int8_Box_tag, 588
ppl_new_Int8_Box_from_BD_Shape_float
ppl_Int8_Box_tag, 584
ppl_new_Int8_Box_from_BD_Shape_float_with_-
complexity
ppl_Int8_Box_tag, 588
ppl_new_Int8_Box_from_BD_Shape_int16_t
ppl_Int8_Box_tag, 582
ppl_new_Int8_Box_from_BD_Shape_int16_t_-
with_complexity
ppl_Int8_Box_tag, 586
ppl_new_Int8_Box_from_BD_Shape_int32_t
ppl_Int8_Box_tag, 582
ppl_new_Int8_Box_from_BD_Shape_int32_t_-
with_complexity
ppl_Int8_Box_tag, 586
ppl_new_Int8_Box_from_BD_Shape_int64_t
ppl_Int8_Box_tag, 583
ppl_new_Int8_Box_from_BD_Shape_int64_t_-
with_complexity
ppl_Int8_Box_tag, 586
ppl_new_Int8_Box_from_BD_Shape_int8_t
ppl_Int8_Box_tag, 582
ppl_new_Int8_Box_from_BD_Shape_int8_t_-
with_complexity
ppl_Int8_Box_tag, 586
ppl_new_Int8_Box_from_BD_Shape_long_double
ppl_Int8_Box_tag, 585
ppl_new_Int8_Box_from_BD_Shape_long_-
double_with_complexity
ppl_Int8_Box_tag, 589
ppl_new_Int8_Box_from_BD_Shape_mpq_class
ppl_Int8_Box_tag, 583
ppl_new_Int8_Box_from_BD_Shape_mpq_class_-
with_complexity
ppl_Int8_Box_tag, 587
ppl_new_Int8_Box_from_BD_Shape_mpz_class
ppl_Int8_Box_tag, 583
ppl_new_Int8_Box_from_BD_Shape_mpz_class_-
with_complexity
ppl_Int8_Box_tag, 586
ppl_new_Int8_Box_from_C_Polyhedron
ppl_Int8_Box_tag, 584
ppl_new_Int8_Box_from_C_Polyhedron_with_-
complexity
ppl_Int8_Box_tag, 587
ppl_new_Int8_Box_from_Congruence_System
ppl_Int8_Box_tag, 589
ppl_new_Int8_Box_from_Constraint_System
ppl_Int8_Box_tag, 589
ppl_new_Int8_Box_from_Double_Box
ppl_Int8_Box_tag, 584
ppl_new_Int8_Box_from_Double_Box_with_-
complexity
ppl_Int8_Box_tag, 588
ppl_new_Int8_Box_from_Float_Box
ppl_Int8_Box_tag, 584
ppl_new_Int8_Box_from_Float_Box_with_-
complexity
ppl_Int8_Box_tag, 588
ppl_new_Int8_Box_from_Generator_System
ppl_Int8_Box_tag, 589
ppl_new_Int8_Box_from_Grid
ppl_Int8_Box_tag, 584
ppl_new_Int8_Box_from_Grid_with_complexity
ppl_Int8_Box_tag, 588
ppl_new_Int8_Box_from_Int16_Box
ppl_Int8_Box_tag, 581
ppl_new_Int8_Box_from_Int16_Box_with_-
complexity
ppl_Int8_Box_tag, 585
ppl_new_Int8_Box_from_Int32_Box
ppl_Int8_Box_tag, 581
ppl_new_Int8_Box_from_Int32_Box_with_-
complexity
ppl_Int8_Box_tag, 585
ppl_new_Int8_Box_from_Int64_Box
ppl_Int8_Box_tag, 581
ppl_new_Int8_Box_from_Int64_Box_with_-
complexity
ppl_Int8_Box_tag, 585
ppl_new_Int8_Box_from_Int8_Box
ppl_Int8_Box_tag, 581
ppl_new_Int8_Box_from_Int8_Box_with_-
complexity
ppl_Int8_Box_tag, 585
ppl_new_Int8_Box_from_Long_Double_Box
ppl_Int8_Box_tag, 585
ppl_new_Int8_Box_from_Long_Double_Box_-
with_complexity
ppl_Int8_Box_tag, 588
ppl_new_Int8_Box_from_NNC_Polyhedron
ppl_Int8_Box_tag, 584
ppl_new_Int8_Box_from_NNC_Polyhedron_-
with_complexity
ppl_Int8_Box_tag, 588
ppl_new_Int8_Box_from_Octagonal_Shape_-
double
ppl_Int8_Box_tag, 584
ppl_new_Int8_Box_from_Octagonal_Shape_-
double_with_complexity
ppl_Int8_Box_tag, 588

ppl_new_Int8_Box_from_Octagonal_Shape_float
ppl_Int8_Box_tag, 584
ppl_new_Int8_Box_from_Octagonal_Shape_-
float_with_complexity
ppl_Int8_Box_tag, 588
ppl_new_Int8_Box_from_Octagonal_Shape_-
int16_t
ppl_Int8_Box_tag, 583
ppl_new_Int8_Box_from_Octagonal_Shape_-
int16_t_with_complexity
ppl_Int8_Box_tag, 587
ppl_new_Int8_Box_from_Octagonal_Shape_-
int32_t
ppl_Int8_Box_tag, 583
ppl_new_Int8_Box_from_Octagonal_Shape_-
int32_t_with_complexity
ppl_Int8_Box_tag, 587
ppl_new_Int8_Box_from_Octagonal_Shape_-
int64_t
ppl_Int8_Box_tag, 583
ppl_new_Int8_Box_from_Octagonal_Shape_-
int64_t_with_complexity
ppl_Int8_Box_tag, 587
ppl_new_Int8_Box_from_Octagonal_Shape_int8_t
ppl_Int8_Box_tag, 583
ppl_new_Int8_Box_from_Octagonal_Shape_int8_-
t_with_complexity
ppl_Int8_Box_tag, 587
ppl_new_Int8_Box_from_Octagonal_Shape_-
long_double
ppl_Int8_Box_tag, 585
ppl_new_Int8_Box_from_Octagonal_Shape_-
long_double_with_complexity
ppl_Int8_Box_tag, 589
ppl_new_Int8_Box_from_Octagonal_Shape_-
mpq_class
ppl_Int8_Box_tag, 583
ppl_new_Int8_Box_from_Octagonal_Shape_-
mpq_class_with_complexity
ppl_Int8_Box_tag, 587
ppl_new_Int8_Box_from_Octagonal_Shape_-
mpz_class
ppl_Int8_Box_tag, 583
ppl_new_Int8_Box_from_Octagonal_Shape_-
mpz_class_with_complexity
ppl_Int8_Box_tag, 587
ppl_new_Int8_Box_from_Rational_Box
ppl_Int8_Box_tag, 582
ppl_new_Int8_Box_from_Rational_Box_with_-
complexity
ppl_Int8_Box_tag, 586
ppl_new_Int8_Box_from_space_dimension
ppl_Int8_Box_tag, 581
ppl_new_Int8_Box_from_Uint16_Box
ppl_Int8_Box_tag, 582
ppl_new_Int8_Box_from_Uint16_Box_with_-
complexity
ppl_Int8_Box_tag, 585
ppl_new_Int8_Box_from_Uint32_Box
ppl_Int8_Box_tag, 582
ppl_new_Int8_Box_from_Uint32_Box_with_-
complexity
ppl_Int8_Box_tag, 586
ppl_new_Int8_Box_from_Uint64_Box
ppl_Int8_Box_tag, 582
ppl_new_Int8_Box_from_Uint64_Box_with_-
complexity
ppl_Int8_Box_tag, 586
ppl_new_Int8_Box_from_Uint8_Box
ppl_Int8_Box_tag, 582
ppl_new_Int8_Box_from_Uint8_Box_with_-
complexity
ppl_Int8_Box_tag, 585
ppl_new_Int8_Box_from_Z_Box
ppl_Int8_Box_tag, 582
ppl_new_Int8_Box_from_Z_Box_with_complexity
ppl_Int8_Box_tag, 586
ppl_new_Int8_Box_recycle_Congruence_System
ppl_Int8_Box_tag, 597
ppl_new_Int8_Box_recycle_Constraint_System
ppl_Int8_Box_tag, 597
ppl_new_Int8_Box_recycle_Generator_System
ppl_Int8_Box_tag, 598
ppl_new_Long_Double_Box_from_BD_Shape_-
double
ppl_Long_Double_Box_tag, 612
ppl_new_Long_Double_Box_from_BD_Shape_-
double_with_complexity
ppl_Long_Double_Box_tag, 617
ppl_new_Long_Double_Box_from_BD_Shape_-
float
ppl_Long_Double_Box_tag, 612
ppl_new_Long_Double_Box_from_BD_Shape_-
float_with_complexity
ppl_Long_Double_Box_tag, 616
ppl_new_Long_Double_Box_from_BD_Shape_-
int16_t
ppl_Long_Double_Box_tag, 610
ppl_new_Long_Double_Box_from_BD_Shape_-
int16_t_with_complexity
ppl_Long_Double_Box_tag, 614
ppl_new_Long_Double_Box_from_BD_Shape_-
int32_t
ppl_Long_Double_Box_tag, 610
ppl_new_Long_Double_Box_from_BD_Shape_-
int32_t_with_complexity
ppl_Long_Double_Box_tag, 615

ppl_new_Long_Double_Box_from_BD_Shape_-int64_t
ppl_Long_Double_Box_tag, 611
ppl_new_Long_Double_Box_from_BD_Shape_-int64_t_with_complexity
ppl_Long_Double_Box_tag, 615
ppl_new_Long_Double_Box_from_BD_Shape_-int8_t
ppl_Long_Double_Box_tag, 610
ppl_new_Long_Double_Box_from_BD_Shape_-int8_t_with_complexity
ppl_Long_Double_Box_tag, 614
ppl_new_Long_Double_Box_from_BD_Shape_-long_double
ppl_Long_Double_Box_tag, 613
ppl_new_Long_Double_Box_from_BD_Shape_-long_double_with_complexity
ppl_Long_Double_Box_tag, 617
ppl_new_Long_Double_Box_from_BD_Shape_-mpq_class
ppl_Long_Double_Box_tag, 611
ppl_new_Long_Double_Box_from_BD_Shape_-mpq_class_with_complexity
ppl_Long_Double_Box_tag, 615
ppl_new_Long_Double_Box_from_BD_Shape_-mpz_class
ppl_Long_Double_Box_tag, 611
ppl_new_Long_Double_Box_from_BD_Shape_-mpz_class_with_complexity
ppl_Long_Double_Box_tag, 615
ppl_new_Long_Double_Box_from_C_Polyhedron
ppl_Long_Double_Box_tag, 612
ppl_new_Long_Double_Box_from_C_-Polyhedron_with_complexity
ppl_Long_Double_Box_tag, 616
ppl_new_Long_Double_Box_from_Congruence_-System
ppl_Long_Double_Box_tag, 617
ppl_new_Long_Double_Box_from_Constraint_-System
ppl_Long_Double_Box_tag, 617
ppl_new_Long_Double_Box_from_Double_Box
ppl_Long_Double_Box_tag, 612
ppl_new_Long_Double_Box_from_Double_Box_-with_complexity
ppl_Long_Double_Box_tag, 617
ppl_new_Long_Double_Box_from_Float_Box
ppl_Long_Double_Box_tag, 612
ppl_new_Long_Double_Box_from_Float_Box_-with_complexity
ppl_Long_Double_Box_tag, 616
ppl_new_Long_Double_Box_from_Generator_-System
ppl_Long_Double_Box_tag, 618
ppl_new_Long_Double_Box_from_Grid
ppl_Long_Double_Box_tag, 612
ppl_new_Long_Double_Box_from_Grid_with_-complexity
ppl_Long_Double_Box_tag, 616
ppl_new_Long_Double_Box_from_Int16_Box
ppl_Long_Double_Box_tag, 609
ppl_new_Long_Double_Box_from_Int16_Box_-with_complexity
ppl_Long_Double_Box_tag, 613
ppl_new_Long_Double_Box_from_Int32_Box
ppl_Long_Double_Box_tag, 609
ppl_new_Long_Double_Box_from_Int32_Box_-with_complexity
ppl_Long_Double_Box_tag, 613
ppl_new_Long_Double_Box_from_Int64_Box
ppl_Long_Double_Box_tag, 609
ppl_new_Long_Double_Box_from_Int64_Box_-with_complexity
ppl_Long_Double_Box_tag, 613
ppl_new_Long_Double_Box_from_Int8_Box
ppl_Long_Double_Box_tag, 609
ppl_new_Long_Double_Box_from_Int8_Box_-with_complexity
ppl_Long_Double_Box_tag, 613
ppl_new_Long_Double_Box_from_Long_-Double_Box
ppl_Long_Double_Box_tag, 613
ppl_new_Long_Double_Box_from_Long_-Double_Box_with_complexity
ppl_Long_Double_Box_tag, 617
ppl_new_Long_Double_Box_from_NNC_-Polyhedron
ppl_Long_Double_Box_tag, 612
ppl_new_Long_Double_Box_from_NNC_-Polyhedron_with_complexity
ppl_Long_Double_Box_tag, 616
ppl_new_Long_Double_Box_from_Octagonal_-Shape_double
ppl_Long_Double_Box_tag, 613
ppl_new_Long_Double_Box_from_Octagonal_-Shape_double_with_complexity
ppl_Long_Double_Box_tag, 617
ppl_new_Long_Double_Box_from_Octagonal_-Shape_float
ppl_Long_Double_Box_tag, 612
ppl_new_Long_Double_Box_from_Octagonal_-Shape_float_with_complexity
ppl_Long_Double_Box_tag, 616
ppl_new_Long_Double_Box_from_Octagonal_-Shape_int16_t
ppl_Long_Double_Box_tag, 611
ppl_new_Long_Double_Box_from_Octagonal_-Shape_int16_t_with_complexity

ppl_Long_Double_Box_tag, 615
ppl_new_Long_Double_Box_from_Octagonal_-Shape_int32_t
ppl_Long_Double_Box_tag, 611
ppl_new_Long_Double_Box_from_Octagonal_-Shape_int32_t_with_complexity
ppl_Long_Double_Box_tag, 615
ppl_new_Long_Double_Box_from_Octagonal_-Shape_int64_t
ppl_Long_Double_Box_tag, 611
ppl_new_Long_Double_Box_from_Octagonal_-Shape_int64_t_with_complexity
ppl_Long_Double_Box_tag, 615
ppl_new_Long_Double_Box_from_Octagonal_-Shape_int8_t
ppl_Long_Double_Box_tag, 611
ppl_new_Long_Double_Box_from_Octagonal_-Shape_int8_t_with_complexity
ppl_Long_Double_Box_tag, 615
ppl_new_Long_Double_Box_from_Octagonal_-Shape_long_double
ppl_Long_Double_Box_tag, 613
ppl_new_Long_Double_Box_from_Octagonal_-Shape_long_double_with_complexity
ppl_Long_Double_Box_tag, 617
ppl_new_Long_Double_Box_from_Octagonal_-Shape_mpq_class
ppl_Long_Double_Box_tag, 612
ppl_new_Long_Double_Box_from_Octagonal_-Shape_mpq_class_with_complexity
ppl_Long_Double_Box_tag, 616
ppl_new_Long_Double_Box_from_Octagonal_-Shape_mpz_class
ppl_Long_Double_Box_tag, 611
ppl_new_Long_Double_Box_from_Octagonal_-Shape_mpz_class_with_complexity
ppl_Long_Double_Box_tag, 616
ppl_new_Long_Double_Box_from_Rational_Box
ppl_Long_Double_Box_tag, 610
ppl_new_Long_Double_Box_from_Rational_-Box_with_complexity
ppl_Long_Double_Box_tag, 614
ppl_new_Long_Double_Box_from_space_-dimension
ppl_Long_Double_Box_tag, 609
ppl_new_Long_Double_Box_from_Uint16_Box
ppl_Long_Double_Box_tag, 610
ppl_new_Long_Double_Box_from_Uint16_Box_-with_complexity
ppl_Long_Double_Box_tag, 614
ppl_new_Long_Double_Box_from_Uint32_Box
ppl_Long_Double_Box_tag, 610
ppl_new_Long_Double_Box_from_Uint32_Box_-with_complexity
ppl_Long_Double_Box_tag, 614
ppl_new_Long_Double_Box_from_Uint64_Box
ppl_Long_Double_Box_tag, 610
ppl_new_Long_Double_Box_from_Uint64_Box_-with_complexity
ppl_Long_Double_Box_tag, 614
ppl_new_Long_Double_Box_from_Uint8_Box
ppl_Long_Double_Box_tag, 610
ppl_new_Long_Double_Box_from_Uint8_Box_-with_complexity
ppl_Long_Double_Box_tag, 614
ppl_new_Long_Double_Box_from_Z_Box
ppl_Long_Double_Box_tag, 610
ppl_new_Long_Double_Box_from_Z_Box_with_-complexity
ppl_Long_Double_Box_tag, 614
ppl_new_Long_Double_Box_recycle_-Congruence_System
ppl_Long_Double_Box_tag, 626
ppl_new_Long_Double_Box_recycle_Constraint_-System
ppl_Long_Double_Box_tag, 626
ppl_new_Long_Double_Box_recycle_Generator_-System
ppl_Long_Double_Box_tag, 626
ppl_new_NNC_Polyhedron_from_BD_Shape_-double
ppl_Polyhedron_tag, 1555
ppl_new_NNC_Polyhedron_from_BD_Shape_-double_with_complexity
ppl_Polyhedron_tag, 1562
ppl_new_NNC_Polyhedron_from_BD_Shape_float
ppl_Polyhedron_tag, 1554
ppl_new_NNC_Polyhedron_from_BD_Shape_-float_with_complexity
ppl_Polyhedron_tag, 1561
ppl_new_NNC_Polyhedron_from_BD_Shape_-int16_t
ppl_Polyhedron_tag, 1551
ppl_new_NNC_Polyhedron_from_BD_Shape_-int16_t_with_complexity
ppl_Polyhedron_tag, 1558
ppl_new_NNC_Polyhedron_from_BD_Shape_-int32_t
ppl_Polyhedron_tag, 1551
ppl_new_NNC_Polyhedron_from_BD_Shape_-int32_t_with_complexity
ppl_Polyhedron_tag, 1558
ppl_new_NNC_Polyhedron_from_BD_Shape_-int64_t
ppl_Polyhedron_tag, 1551
ppl_new_NNC_Polyhedron_from_BD_Shape_-int64_t_with_complexity
ppl_Polyhedron_tag, 1559

ppl_new_NNC_Polyhedron_from_BD_Shape_-
int8_t
ppl_Polyhedron_tag, 1551
ppl_new_NNC_Polyhedron_from_BD_Shape_-
int8_t_with_complexity
ppl_Polyhedron_tag, 1558
ppl_new_NNC_Polyhedron_from_BD_Shape_-
long_double
ppl_Polyhedron_tag, 1555
ppl_new_NNC_Polyhedron_from_BD_Shape_-
long_double_with_complexity
ppl_Polyhedron_tag, 1563
ppl_new_NNC_Polyhedron_from_BD_Shape_-
mpq_class
ppl_Polyhedron_tag, 1552
ppl_new_NNC_Polyhedron_from_BD_Shape_-
mpq_class_with_complexity
ppl_Polyhedron_tag, 1559
ppl_new_NNC_Polyhedron_from_BD_Shape_-
mpz_class
ppl_Polyhedron_tag, 1552
ppl_new_NNC_Polyhedron_from_BD_Shape_-
mpz_class_with_complexity
ppl_Polyhedron_tag, 1559
ppl_new_NNC_Polyhedron_from_C_Polyhedron
ppl_Polyhedron_tag, 1532
ppl_new_NNC_Polyhedron_from_C_Polyhedron_-
with_complexity
ppl_Polyhedron_tag, 1532
ppl_new_NNC_Polyhedron_from_Congruence_-
System
ppl_Polyhedron_tag, 1531
ppl_new_NNC_Polyhedron_from_Constraint_-
System
ppl_Polyhedron_tag, 1531
ppl_new_NNC_Polyhedron_from_Double_Box
ppl_Polyhedron_tag, 1554
ppl_new_NNC_Polyhedron_from_Double_Box_-
with_complexity
ppl_Polyhedron_tag, 1562
ppl_new_NNC_Polyhedron_from_Float_Box
ppl_Polyhedron_tag, 1554
ppl_new_NNC_Polyhedron_from_Float_Box_-
with_complexity
ppl_Polyhedron_tag, 1561
ppl_new_NNC_Polyhedron_from_Generator_-
System
ppl_Polyhedron_tag, 1544
ppl_new_NNC_Polyhedron_from_Grid
ppl_Polyhedron_tag, 1553
ppl_new_NNC_Polyhedron_from_Grid_with_-
complexity
ppl_Polyhedron_tag, 1561
ppl_new_NNC_Polyhedron_from_Int16_Box
ppl_Polyhedron_tag, 1549
ppl_new_NNC_Polyhedron_from_Int16_Box_-
with_complexity
ppl_Polyhedron_tag, 1556
ppl_new_NNC_Polyhedron_from_Int32_Box
ppl_Polyhedron_tag, 1549
ppl_new_NNC_Polyhedron_from_Int32_Box_-
with_complexity
ppl_Polyhedron_tag, 1556
ppl_new_NNC_Polyhedron_from_Int64_Box
ppl_Polyhedron_tag, 1549
ppl_new_NNC_Polyhedron_from_Int64_Box_-
with_complexity
ppl_Polyhedron_tag, 1556
ppl_new_NNC_Polyhedron_from_Int8_Box
ppl_Polyhedron_tag, 1549
ppl_new_NNC_Polyhedron_from_Int8_Box_-
with_complexity
ppl_Polyhedron_tag, 1556
ppl_new_NNC_Polyhedron_from_Long_Double_-
Box
ppl_Polyhedron_tag, 1555
ppl_new_NNC_Polyhedron_from_Long_Double_-
Box_with_complexity
ppl_Polyhedron_tag, 1563
ppl_new_NNC_Polyhedron_from_NNC_-
Polyhedron
ppl_Polyhedron_tag, 1530
ppl_new_NNC_Polyhedron_from_NNC_-
Polyhedron_with_complexity
ppl_Polyhedron_tag, 1530
ppl_new_NNC_Polyhedron_from_Octagonal_-
Shape_double
ppl_Polyhedron_tag, 1555
ppl_new_NNC_Polyhedron_from_Octagonal_-
Shape_double_with_complexity
ppl_Polyhedron_tag, 1562
ppl_new_NNC_Polyhedron_from_Octagonal_-
Shape_float
ppl_Polyhedron_tag, 1554
ppl_new_NNC_Polyhedron_from_Octagonal_-
Shape_float_with_complexity
ppl_Polyhedron_tag, 1562
ppl_new_NNC_Polyhedron_from_Octagonal_-
Shape_int16_t
ppl_Polyhedron_tag, 1552
ppl_new_NNC_Polyhedron_from_Octagonal_-
Shape_int16_t_with_complexity
ppl_Polyhedron_tag, 1560
ppl_new_NNC_Polyhedron_from_Octagonal_-
Shape_int32_t
ppl_Polyhedron_tag, 1553
ppl_new_NNC_Polyhedron_from_Octagonal_-
Shape_int32_t_with_complexity

ppl_Polyhedron_tag, 1560
ppl_new_NNC_Polyhedron_from_Octagonal_-Shape_int64_t
ppl_Polyhedron_tag, 1553
ppl_new_NNC_Polyhedron_from_Octagonal_-Shape_int64_t_with_complexity
ppl_Polyhedron_tag, 1560
ppl_new_NNC_Polyhedron_from_Octagonal_-Shape_int8_t
ppl_Polyhedron_tag, 1552
ppl_new_NNC_Polyhedron_from_Octagonal_-Shape_int8_t_with_complexity
ppl_Polyhedron_tag, 1559
ppl_new_NNC_Polyhedron_from_Octagonal_-Shape_long_double
ppl_Polyhedron_tag, 1555
ppl_new_NNC_Polyhedron_from_Octagonal_-Shape_long_double_with_complexity
ppl_Polyhedron_tag, 1563
ppl_new_NNC_Polyhedron_from_Octagonal_-Shape_mpq_class
ppl_Polyhedron_tag, 1553
ppl_new_NNC_Polyhedron_from_Octagonal_-Shape_mpq_class_with_complexity
ppl_Polyhedron_tag, 1561
ppl_new_NNC_Polyhedron_from_Octagonal_-Shape_mpz_class
ppl_Polyhedron_tag, 1553
ppl_new_NNC_Polyhedron_from_Octagonal_-Shape_mpz_class_with_complexity
ppl_Polyhedron_tag, 1560
ppl_new_NNC_Polyhedron_from_Rational_Box
ppl_Polyhedron_tag, 1551
ppl_new_NNC_Polyhedron_from_Rational_Box_-with_complexity
ppl_Polyhedron_tag, 1558
ppl_new_NNC_Polyhedron_from_space_-dimension
ppl_Polyhedron_tag, 1530
ppl_new_NNC_Polyhedron_from_Uint16_Box
ppl_Polyhedron_tag, 1550
ppl_new_NNC_Polyhedron_from_Uint16_Box_-with_complexity
ppl_Polyhedron_tag, 1557
ppl_new_NNC_Polyhedron_from_Uint32_Box
ppl_Polyhedron_tag, 1550
ppl_new_NNC_Polyhedron_from_Uint32_Box_-with_complexity
ppl_Polyhedron_tag, 1557
ppl_new_NNC_Polyhedron_from_Uint64_Box
ppl_Polyhedron_tag, 1550
ppl_new_NNC_Polyhedron_from_Uint64_Box_-with_complexity
ppl_Polyhedron_tag, 1557
ppl_new_NNC_Polyhedron_from_Uint8_Box
ppl_Polyhedron_tag, 1549
ppl_new_NNC_Polyhedron_from_Uint8_Box_-with_complexity
ppl_Polyhedron_tag, 1557
ppl_new_NNC_Polyhedron_from_Z_Box
ppl_Polyhedron_tag, 1550
ppl_new_NNC_Polyhedron_from_Z_Box_with_-complexity
ppl_Polyhedron_tag, 1557
ppl_new_NNC_Polyhedron_recycle_Congruence_-System
ppl_Polyhedron_tag, 1531
ppl_new_NNC_Polyhedron_recycle_Constraint_-System
ppl_Polyhedron_tag, 1531
ppl_new_NNC_Polyhedron_recycle_Generator_-System
ppl_Polyhedron_tag, 1544
ppl_new_Octagonal_Shape_double_from_BD_-Shape_double
ppl_Octagonal_Shape_double_tag, 644
ppl_new_Octagonal_Shape_double_from_BD_-Shape_double_with_complexity
ppl_Octagonal_Shape_double_tag, 648
ppl_new_Octagonal_Shape_double_from_BD_-Shape_float
ppl_Octagonal_Shape_double_tag, 644
ppl_new_Octagonal_Shape_double_from_BD_-Shape_float_with_complexity
ppl_Octagonal_Shape_double_tag, 648
ppl_new_Octagonal_Shape_double_from_BD_-Shape_int16_t
ppl_Octagonal_Shape_double_tag, 642
ppl_new_Octagonal_Shape_double_from_BD_-Shape_int16_t_with_complexity
ppl_Octagonal_Shape_double_tag, 646
ppl_new_Octagonal_Shape_double_from_BD_-Shape_int32_t
ppl_Octagonal_Shape_double_tag, 642
ppl_new_Octagonal_Shape_double_from_BD_-Shape_int32_t_with_complexity
ppl_Octagonal_Shape_double_tag, 646
ppl_new_Octagonal_Shape_double_from_BD_-Shape_int64_t
ppl_Octagonal_Shape_double_tag, 642
ppl_new_Octagonal_Shape_double_from_BD_-Shape_int64_t_with_complexity
ppl_Octagonal_Shape_double_tag, 646
ppl_new_Octagonal_Shape_double_from_BD_-Shape_int8_t
ppl_Octagonal_Shape_double_tag, 642
ppl_new_Octagonal_Shape_double_from_BD_-Shape_int8_t_with_complexity

ppl_Octagonal_Shape_double_tag, 646
ppl_new_Octagonal_Shape_double_from_BD_-Shape_long_double
ppl_Octagonal_Shape_double_tag, 645
ppl_new_Octagonal_Shape_double_from_BD_-Shape_long_double_with_complexity
ppl_Octagonal_Shape_double_tag, 649
ppl_new_Octagonal_Shape_double_from_BD_-Shape_mpq_class
ppl_Octagonal_Shape_double_tag, 642
ppl_new_Octagonal_Shape_double_from_BD_-Shape_mpq_class_with_complexity
ppl_Octagonal_Shape_double_tag, 647
ppl_new_Octagonal_Shape_double_from_BD_-Shape_mpz_class
ppl_Octagonal_Shape_double_tag, 642
ppl_new_Octagonal_Shape_double_from_BD_-Shape_mpz_class_with_complexity
ppl_Octagonal_Shape_double_tag, 647
ppl_new_Octagonal_Shape_double_from_C_-Polyhedron
ppl_Octagonal_Shape_double_tag, 643
ppl_new_Octagonal_Shape_double_from_C_-Polyhedron_with_complexity
ppl_Octagonal_Shape_double_tag, 648
ppl_new_Octagonal_Shape_double_from_-Congruence_System
ppl_Octagonal_Shape_double_tag, 649
ppl_new_Octagonal_Shape_double_from_-Constraint_System
ppl_Octagonal_Shape_double_tag, 649
ppl_new_Octagonal_Shape_double_from_-Double_Box
ppl_Octagonal_Shape_double_tag, 644
ppl_new_Octagonal_Shape_double_from_-Double_Box_with_complexity
ppl_Octagonal_Shape_double_tag, 648
ppl_new_Octagonal_Shape_double_from_Float_-Box
ppl_Octagonal_Shape_double_tag, 644
ppl_new_Octagonal_Shape_double_from_Float_-Box_with_complexity
ppl_Octagonal_Shape_double_tag, 648
ppl_new_Octagonal_Shape_double_from_-Generator_System
ppl_Octagonal_Shape_double_tag, 649
ppl_new_Octagonal_Shape_double_from_Grid
ppl_Octagonal_Shape_double_tag, 644
ppl_new_Octagonal_Shape_double_from_Grid_-with_complexity
ppl_Octagonal_Shape_double_tag, 648
ppl_new_Octagonal_Shape_double_from_Int16_-Box
ppl_Octagonal_Shape_double_tag, 641
ppl_new_Octagonal_Shape_double_from_Int16_-Box_with_complexity
ppl_Octagonal_Shape_double_tag, 645
ppl_new_Octagonal_Shape_double_from_Int32_-Box
ppl_Octagonal_Shape_double_tag, 641
ppl_new_Octagonal_Shape_double_from_Int32_-Box_with_complexity
ppl_Octagonal_Shape_double_tag, 645
ppl_new_Octagonal_Shape_double_from_Int64_-Box
ppl_Octagonal_Shape_double_tag, 641
ppl_new_Octagonal_Shape_double_from_Int64_-Box_with_complexity
ppl_Octagonal_Shape_double_tag, 645
ppl_new_Octagonal_Shape_double_from_Int8_-Box
ppl_Octagonal_Shape_double_tag, 641
ppl_new_Octagonal_Shape_double_from_Int8_-Box_with_complexity
ppl_Octagonal_Shape_double_tag, 645
ppl_new_Octagonal_Shape_double_from_Long_-Double_Box
ppl_Octagonal_Shape_double_tag, 644
ppl_new_Octagonal_Shape_double_from_Long_-Double_Box_with_complexity
ppl_Octagonal_Shape_double_tag, 649
ppl_new_Octagonal_Shape_double_from_NNC_-Polyhedron
ppl_Octagonal_Shape_double_tag, 643
ppl_new_Octagonal_Shape_double_from_NNC_-Polyhedron_with_complexity
ppl_Octagonal_Shape_double_tag, 648
ppl_new_Octagonal_Shape_double_from_-Octagonal_Shape_double
ppl_Octagonal_Shape_double_tag, 644
ppl_new_Octagonal_Shape_double_from_-Octagonal_Shape_double_with_-complexity
ppl_Octagonal_Shape_double_tag, 649
ppl_new_Octagonal_Shape_double_from_-Octagonal_Shape_float
ppl_Octagonal_Shape_double_tag, 644
ppl_new_Octagonal_Shape_double_from_-Octagonal_Shape_float_with_complexity
ppl_Octagonal_Shape_double_tag, 648
ppl_new_Octagonal_Shape_double_from_-Octagonal_Shape_int16_t
ppl_Octagonal_Shape_double_tag, 643
ppl_new_Octagonal_Shape_double_from_-Octagonal_Shape_int16_t_with_-complexity
ppl_Octagonal_Shape_double_tag, 647

ppl_new_Octagonal_Shape_double_from_-
Octagonal_Shape_int32_t
ppl_Octagonal_Shape_double_tag, 643
ppl_new_Octagonal_Shape_double_from_-
Octagonal_Shape_int32_t_with_-
complexity
ppl_Octagonal_Shape_double_tag, 647
ppl_new_Octagonal_Shape_double_from_-
Octagonal_Shape_int64_t
ppl_Octagonal_Shape_double_tag, 643
ppl_new_Octagonal_Shape_double_from_-
Octagonal_Shape_int64_t_with_-
complexity
ppl_Octagonal_Shape_double_tag, 647
ppl_new_Octagonal_Shape_double_from_-
Octagonal_Shape_int8_t
ppl_Octagonal_Shape_double_tag, 643
ppl_new_Octagonal_Shape_double_from_-
Octagonal_Shape_int8_t_with_-
complexity
ppl_Octagonal_Shape_double_tag, 647
ppl_new_Octagonal_Shape_double_from_-
Octagonal_Shape_long_double
ppl_Octagonal_Shape_double_tag, 645
ppl_new_Octagonal_Shape_double_from_-
Octagonal_Shape_long_double_with_-
complexity
ppl_Octagonal_Shape_double_tag, 649
ppl_new_Octagonal_Shape_double_from_-
Octagonal_Shape_mpq_class
ppl_Octagonal_Shape_double_tag, 643
ppl_new_Octagonal_Shape_double_from_-
Octagonal_Shape_mpq_class_with_-
complexity
ppl_Octagonal_Shape_double_tag, 647
ppl_new_Octagonal_Shape_double_from_-
Octagonal_Shape_mpz_class
ppl_Octagonal_Shape_double_tag, 643
ppl_new_Octagonal_Shape_double_from_-
Octagonal_Shape_mpz_class_with_-
complexity
ppl_Octagonal_Shape_double_tag, 647
ppl_new_Octagonal_Shape_double_from_-
Rational_Box
ppl_Octagonal_Shape_double_tag, 642
ppl_new_Octagonal_Shape_double_from_-
Rational_Box_with_complexity
ppl_Octagonal_Shape_double_tag, 646
ppl_new_Octagonal_Shape_double_from_space_-
dimension
ppl_Octagonal_Shape_double_tag, 641
ppl_new_Octagonal_Shape_double_from_-
Uint16_Box
ppl_Octagonal_Shape_double_tag, 641
ppl_new_Octagonal_Shape_double_from_-
Uint16_Box_with_complexity
ppl_Octagonal_Shape_double_tag, 645
ppl_new_Octagonal_Shape_double_from_-
Uint32_Box
ppl_Octagonal_Shape_double_tag, 641
ppl_new_Octagonal_Shape_double_from_-
Uint32_Box_with_complexity
ppl_Octagonal_Shape_double_tag, 646
ppl_new_Octagonal_Shape_double_from_-
Uint64_Box
ppl_Octagonal_Shape_double_tag, 641
ppl_new_Octagonal_Shape_double_from_-
Uint64_Box_with_complexity
ppl_Octagonal_Shape_double_tag, 646
ppl_new_Octagonal_Shape_double_from_Uint8_-
Box
ppl_Octagonal_Shape_double_tag, 641
ppl_new_Octagonal_Shape_double_from_Uint8_-
Box_with_complexity
ppl_Octagonal_Shape_double_tag, 645
ppl_new_Octagonal_Shape_double_from_Z_Box
ppl_Octagonal_Shape_double_tag, 642
ppl_new_Octagonal_Shape_double_from_Z_-
Box_with_complexity
ppl_Octagonal_Shape_double_tag, 646
ppl_new_Octagonal_Shape_double_recycle_-
Congruence_System
ppl_Octagonal_Shape_double_tag, 659
ppl_new_Octagonal_Shape_double_recycle_-
Constraint_System
ppl_Octagonal_Shape_double_tag, 659
ppl_new_Octagonal_Shape_double_recycle_-
Generator_System
ppl_Octagonal_Shape_double_tag, 659
ppl_new_Octagonal_Shape_float_from_BD_-
Shape_double
ppl_Octagonal_Shape_float_tag, 672
ppl_new_Octagonal_Shape_float_from_BD_-
Shape_double_with_complexity
ppl_Octagonal_Shape_float_tag, 676
ppl_new_Octagonal_Shape_float_from_BD_-
Shape_float
ppl_Octagonal_Shape_float_tag, 672
ppl_new_Octagonal_Shape_float_from_BD_-
Shape_float_with_complexity
ppl_Octagonal_Shape_float_tag, 676
ppl_new_Octagonal_Shape_float_from_BD_-
Shape_int16_t
ppl_Octagonal_Shape_float_tag, 670
ppl_new_Octagonal_Shape_float_from_BD_-
Shape_int16_t_with_complexity
ppl_Octagonal_Shape_float_tag, 674

ppl_new_Octagonal_Shape_float_from_BD_-Shape_int32_t ppl_Octagonal_Shape_float_tag, 670
ppl_new_Octagonal_Shape_float_from_BD_-Shape_int32_t_with_complexity ppl_Octagonal_Shape_float_tag, 674
ppl_new_Octagonal_Shape_float_from_BD_-Shape_int64_t ppl_Octagonal_Shape_float_tag, 670
ppl_new_Octagonal_Shape_float_from_BD_-Shape_int64_t_with_complexity ppl_Octagonal_Shape_float_tag, 674
ppl_new_Octagonal_Shape_float_from_BD_-Shape_int8_t ppl_Octagonal_Shape_float_tag, 670
ppl_new_Octagonal_Shape_float_from_BD_-Shape_int8_t_with_complexity ppl_Octagonal_Shape_float_tag, 674
ppl_new_Octagonal_Shape_float_from_BD_-Shape_long_double ppl_Octagonal_Shape_float_tag, 672
ppl_new_Octagonal_Shape_float_from_BD_-Shape_long_double_with_complexity ppl_Octagonal_Shape_float_tag, 677
ppl_new_Octagonal_Shape_float_from_BD_-Shape_mpq_class ppl_Octagonal_Shape_float_tag, 670
ppl_new_Octagonal_Shape_float_from_BD_-Shape_mpq_class_with_complexity ppl_Octagonal_Shape_float_tag, 674
ppl_new_Octagonal_Shape_float_from_BD_-Shape_mpz_class ppl_Octagonal_Shape_float_tag, 670
ppl_new_Octagonal_Shape_float_from_BD_-Shape_mpz_class_with_complexity ppl_Octagonal_Shape_float_tag, 674
ppl_new_Octagonal_Shape_float_from_C_-Polyhedron ppl_Octagonal_Shape_float_tag, 671
ppl_new_Octagonal_Shape_float_from_C_-Polyhedron_with_complexity ppl_Octagonal_Shape_float_tag, 675
ppl_new_Octagonal_Shape_float_from_-Congruence_System ppl_Octagonal_Shape_float_tag, 677
ppl_new_Octagonal_Shape_float_from_-Constraint_System ppl_Octagonal_Shape_float_tag, 677
ppl_new_Octagonal_Shape_float_from_Double_-Box ppl_Octagonal_Shape_float_tag, 672
ppl_new_Octagonal_Shape_float_from_Double_-Box_with_complexity ppl_Octagonal_Shape_float_tag, 676
ppl_new_Octagonal_Shape_float_from_Float_Box ppl_Octagonal_Shape_float_tag, 672
ppl_new_Octagonal_Shape_float_from_Float_-Box_with_complexity ppl_Octagonal_Shape_float_tag, 676
ppl_new_Octagonal_Shape_float_from_-Generator_System ppl_Octagonal_Shape_float_tag, 677
ppl_new_Octagonal_Shape_float_from_Grid ppl_Octagonal_Shape_float_tag, 671
ppl_new_Octagonal_Shape_float_from_Grid_-with_complexity ppl_Octagonal_Shape_float_tag, 676
ppl_new_Octagonal_Shape_float_from_Int16_Box ppl_Octagonal_Shape_float_tag, 669
ppl_new_Octagonal_Shape_float_from_Int16_-Box_with_complexity ppl_Octagonal_Shape_float_tag, 673
ppl_new_Octagonal_Shape_float_from_Int32_Box ppl_Octagonal_Shape_float_tag, 669
ppl_new_Octagonal_Shape_float_from_Int32_-Box_with_complexity ppl_Octagonal_Shape_float_tag, 673
ppl_new_Octagonal_Shape_float_from_Int64_Box ppl_Octagonal_Shape_float_tag, 669
ppl_new_Octagonal_Shape_float_from_Int64_-Box_with_complexity ppl_Octagonal_Shape_float_tag, 673
ppl_new_Octagonal_Shape_float_from_Int8_Box ppl_Octagonal_Shape_float_tag, 669
ppl_new_Octagonal_Shape_float_from_Int8_-Box_with_complexity ppl_Octagonal_Shape_float_tag, 673
ppl_new_Octagonal_Shape_float_from_Long_-Double_Box ppl_Octagonal_Shape_float_tag, 672
ppl_new_Octagonal_Shape_float_from_Long_-Double_Box_with_complexity ppl_Octagonal_Shape_float_tag, 676
ppl_new_Octagonal_Shape_float_from_NNC_-Polyhedron ppl_Octagonal_Shape_float_tag, 671
ppl_new_Octagonal_Shape_float_from_NNC_-Polyhedron_with_complexity ppl_Octagonal_Shape_float_tag, 675
ppl_new_Octagonal_Shape_float_from_-Octagonal_Shape_double ppl_Octagonal_Shape_float_tag, 672
ppl_new_Octagonal_Shape_float_from_-Octagonal_Shape_double_with_-complexity ppl_Octagonal_Shape_float_tag, 676
ppl_new_Octagonal_Shape_float_from_-Octagonal_Shape_float

ppl_Octagonal_Shape_float_tag, 672
ppl_new_Octagonal_Shape_float_from_-Octagonal_Shape_float_with_complexity
ppl_Octagonal_Shape_float_tag, 676
ppl_new_Octagonal_Shape_float_from_-Octagonal_Shape_int16_t
ppl_Octagonal_Shape_float_tag, 671
ppl_new_Octagonal_Shape_float_from_-Octagonal_Shape_int16_t_with_-complexity
ppl_Octagonal_Shape_float_tag, 675
ppl_new_Octagonal_Shape_float_from_-Octagonal_Shape_int32_t
ppl_Octagonal_Shape_float_tag, 671
ppl_new_Octagonal_Shape_float_from_-Octagonal_Shape_int32_t_with_-complexity
ppl_Octagonal_Shape_float_tag, 675
ppl_new_Octagonal_Shape_float_from_-Octagonal_Shape_int64_t
ppl_Octagonal_Shape_float_tag, 671
ppl_new_Octagonal_Shape_float_from_-Octagonal_Shape_int64_t_with_-complexity
ppl_Octagonal_Shape_float_tag, 675
ppl_new_Octagonal_Shape_float_from_-Octagonal_Shape_int8_t
ppl_Octagonal_Shape_float_tag, 670
ppl_new_Octagonal_Shape_float_from_-Octagonal_Shape_int8_t_with_-complexity
ppl_Octagonal_Shape_float_tag, 675
ppl_new_Octagonal_Shape_float_from_-Octagonal_Shape_long_double
ppl_Octagonal_Shape_float_tag, 672
ppl_new_Octagonal_Shape_float_from_-Octagonal_Shape_long_double_with_-complexity
ppl_Octagonal_Shape_float_tag, 677
ppl_new_Octagonal_Shape_float_from_-Octagonal_Shape_mpq_class
ppl_Octagonal_Shape_float_tag, 671
ppl_new_Octagonal_Shape_float_from_-Octagonal_Shape_mpq_class_with_-complexity
ppl_Octagonal_Shape_float_tag, 675
ppl_new_Octagonal_Shape_float_from_-Octagonal_Shape_mpz_class
ppl_Octagonal_Shape_float_tag, 671
ppl_new_Octagonal_Shape_float_from_-Octagonal_Shape_mpz_class_with_-complexity
ppl_Octagonal_Shape_float_tag, 675
ppl_new_Octagonal_Shape_float_from_Rational_-Box
ppl_Octagonal_Shape_float_tag, 670
ppl_new_Octagonal_Shape_float_from_Rational_-Box_with_complexity
ppl_Octagonal_Shape_float_tag, 674
ppl_new_Octagonal_Shape_float_from_space_-dimension
ppl_Octagonal_Shape_float_tag, 669
ppl_new_Octagonal_Shape_float_from_Uint16_-Box
ppl_Octagonal_Shape_float_tag, 669
ppl_new_Octagonal_Shape_float_from_Uint16_-Box_with_complexity
ppl_Octagonal_Shape_float_tag, 673
ppl_new_Octagonal_Shape_float_from_Uint32_-Box
ppl_Octagonal_Shape_float_tag, 669
ppl_new_Octagonal_Shape_float_from_Uint32_-Box_with_complexity
ppl_Octagonal_Shape_float_tag, 673
ppl_new_Octagonal_Shape_float_from_Uint64_-Box
ppl_Octagonal_Shape_float_tag, 669
ppl_new_Octagonal_Shape_float_from_Uint64_-Box_with_complexity
ppl_Octagonal_Shape_float_tag, 673
ppl_new_Octagonal_Shape_float_from_Uint8_Box
ppl_Octagonal_Shape_float_tag, 669
ppl_new_Octagonal_Shape_float_from_Uint8_-Box_with_complexity
ppl_Octagonal_Shape_float_tag, 673
ppl_new_Octagonal_Shape_float_from_Z_Box
ppl_Octagonal_Shape_float_tag, 670
ppl_new_Octagonal_Shape_float_from_Z_Box_-with_complexity
ppl_Octagonal_Shape_float_tag, 674
ppl_new_Octagonal_Shape_float_recycle_-Congruence_System
ppl_Octagonal_Shape_float_tag, 686
ppl_new_Octagonal_Shape_float_recycle_-Constraint_System
ppl_Octagonal_Shape_float_tag, 686
ppl_new_Octagonal_Shape_float_recycle_-Generator_System
ppl_Octagonal_Shape_float_tag, 687
ppl_new_Octagonal_Shape_int16_t_from_BD_-Shape_double
ppl_Octagonal_Shape_int16_t_tag, 700
ppl_new_Octagonal_Shape_int16_t_from_BD_-Shape_double_with_complexity
ppl_Octagonal_Shape_int16_t_tag, 704
ppl_new_Octagonal_Shape_int16_t_from_BD_-Shape_float

ppl_Octagonal_Shape_int16_t_tag, 700
ppl_new_Octagonal_Shape_int16_t_from_BD_-Shape_float_with_complexity
ppl_Octagonal_Shape_int16_t_tag, 704
ppl_new_Octagonal_Shape_int16_t_from_BD_-Shape_int16_t
ppl_Octagonal_Shape_int16_t_tag, 698
ppl_new_Octagonal_Shape_int16_t_from_BD_-Shape_int16_t_with_complexity
ppl_Octagonal_Shape_int16_t_tag, 702
ppl_new_Octagonal_Shape_int16_t_from_BD_-Shape_int32_t
ppl_Octagonal_Shape_int16_t_tag, 698
ppl_new_Octagonal_Shape_int16_t_from_BD_-Shape_int32_t_with_complexity
ppl_Octagonal_Shape_int16_t_tag, 702
ppl_new_Octagonal_Shape_int16_t_from_BD_-Shape_int64_t
ppl_Octagonal_Shape_int16_t_tag, 698
ppl_new_Octagonal_Shape_int16_t_from_BD_-Shape_int64_t_with_complexity
ppl_Octagonal_Shape_int16_t_tag, 702
ppl_new_Octagonal_Shape_int16_t_from_BD_-Shape_int8_t
ppl_Octagonal_Shape_int16_t_tag, 698
ppl_new_Octagonal_Shape_int16_t_from_BD_-Shape_int8_t_with_complexity
ppl_Octagonal_Shape_int16_t_tag, 702
ppl_new_Octagonal_Shape_int16_t_from_BD_-Shape_long_double
ppl_Octagonal_Shape_int16_t_tag, 700
ppl_new_Octagonal_Shape_int16_t_from_BD_-Shape_long_double_with_complexity
ppl_Octagonal_Shape_int16_t_tag, 705
ppl_new_Octagonal_Shape_int16_t_from_BD_-Shape_mpq_class
ppl_Octagonal_Shape_int16_t_tag, 698
ppl_new_Octagonal_Shape_int16_t_from_BD_-Shape_mpq_class_with_complexity
ppl_Octagonal_Shape_int16_t_tag, 703
ppl_new_Octagonal_Shape_int16_t_from_BD_-Shape_mpz_class
ppl_Octagonal_Shape_int16_t_tag, 698
ppl_new_Octagonal_Shape_int16_t_from_BD_-Shape_mpz_class_with_complexity
ppl_Octagonal_Shape_int16_t_tag, 702
ppl_new_Octagonal_Shape_int16_t_from_C_-Polyhedron
ppl_Octagonal_Shape_int16_t_tag, 699
ppl_new_Octagonal_Shape_int16_t_from_C_-Polyhedron_with_complexity
ppl_Octagonal_Shape_int16_t_tag, 703
ppl_new_Octagonal_Shape_int16_t_from_-Congruence_System
ppl_Octagonal_Shape_int16_t_tag, 705
ppl_new_Octagonal_Shape_int16_t_from_-Constraint_System
ppl_Octagonal_Shape_int16_t_tag, 705
ppl_new_Octagonal_Shape_int16_t_from_-Double_Box
ppl_Octagonal_Shape_int16_t_tag, 700
ppl_new_Octagonal_Shape_int16_t_from_-Double_Box_with_complexity
ppl_Octagonal_Shape_int16_t_tag, 704
ppl_new_Octagonal_Shape_int16_t_from_Float_-Box
ppl_Octagonal_Shape_int16_t_tag, 700
ppl_new_Octagonal_Shape_int16_t_from_Float_-Box_with_complexity
ppl_Octagonal_Shape_int16_t_tag, 704
ppl_new_Octagonal_Shape_int16_t_from_-Generator_System
ppl_Octagonal_Shape_int16_t_tag, 705
ppl_new_Octagonal_Shape_int16_t_from_Grid
ppl_Octagonal_Shape_int16_t_tag, 699
ppl_new_Octagonal_Shape_int16_t_from_Grid_-with_complexity
ppl_Octagonal_Shape_int16_t_tag, 704
ppl_new_Octagonal_Shape_int16_t_from_Int16_-Box
ppl_Octagonal_Shape_int16_t_tag, 697
ppl_new_Octagonal_Shape_int16_t_from_Int16_-Box_with_complexity
ppl_Octagonal_Shape_int16_t_tag, 701
ppl_new_Octagonal_Shape_int16_t_from_Int32_-Box
ppl_Octagonal_Shape_int16_t_tag, 697
ppl_new_Octagonal_Shape_int16_t_from_Int32_-Box_with_complexity
ppl_Octagonal_Shape_int16_t_tag, 701
ppl_new_Octagonal_Shape_int16_t_from_Int64_-Box
ppl_Octagonal_Shape_int16_t_tag, 697
ppl_new_Octagonal_Shape_int16_t_from_Int64_-Box_with_complexity
ppl_Octagonal_Shape_int16_t_tag, 701
ppl_new_Octagonal_Shape_int16_t_from_Int8_-Box
ppl_Octagonal_Shape_int16_t_tag, 697
ppl_new_Octagonal_Shape_int16_t_from_Int8_-Box_with_complexity
ppl_Octagonal_Shape_int16_t_tag, 701
ppl_new_Octagonal_Shape_int16_t_from_Long_-Double_Box
ppl_Octagonal_Shape_int16_t_tag, 700
ppl_new_Octagonal_Shape_int16_t_from_Long_-Double_Box_with_complexity
ppl_Octagonal_Shape_int16_t_tag, 705

ppl_new_Octagonal_Shape_int16_t_from_NNC_-Polyhedron
ppl_Octagonal_Shape_int16_t_tag, 699
ppl_new_Octagonal_Shape_int16_t_from_NNC_-Polyhedron_with_complexity
ppl_Octagonal_Shape_int16_t_tag, 704
ppl_new_Octagonal_Shape_int16_t_from_-Octagonal_Shape_double
ppl_Octagonal_Shape_int16_t_tag, 700
ppl_new_Octagonal_Shape_int16_t_from_-Octagonal_Shape_double_with_-complexity
ppl_Octagonal_Shape_int16_t_tag, 704
ppl_new_Octagonal_Shape_int16_t_from_-Octagonal_Shape_float
ppl_Octagonal_Shape_int16_t_tag, 700
ppl_new_Octagonal_Shape_int16_t_from_-Octagonal_Shape_float_with_complexity
ppl_Octagonal_Shape_int16_t_tag, 704
ppl_new_Octagonal_Shape_int16_t_from_-Octagonal_Shape_int16_t
ppl_Octagonal_Shape_int16_t_tag, 699
ppl_new_Octagonal_Shape_int16_t_from_-Octagonal_Shape_int16_t_with_-complexity
ppl_Octagonal_Shape_int16_t_tag, 703
ppl_new_Octagonal_Shape_int16_t_from_-Octagonal_Shape_int32_t
ppl_Octagonal_Shape_int16_t_tag, 699
ppl_new_Octagonal_Shape_int16_t_from_-Octagonal_Shape_int32_t_with_-complexity
ppl_Octagonal_Shape_int16_t_tag, 703
ppl_new_Octagonal_Shape_int16_t_from_-Octagonal_Shape_int64_t
ppl_Octagonal_Shape_int16_t_tag, 699
ppl_new_Octagonal_Shape_int16_t_from_-Octagonal_Shape_int64_t_with_-complexity
ppl_Octagonal_Shape_int16_t_tag, 703
ppl_new_Octagonal_Shape_int16_t_from_-Octagonal_Shape_int8_t
ppl_Octagonal_Shape_int16_t_tag, 698
ppl_new_Octagonal_Shape_int16_t_from_-Octagonal_Shape_int8_t_with_-complexity
ppl_Octagonal_Shape_int16_t_tag, 703
ppl_new_Octagonal_Shape_int16_t_from_-Octagonal_Shape_long_double
ppl_Octagonal_Shape_int16_t_tag, 701
ppl_new_Octagonal_Shape_int16_t_from_-Octagonal_Shape_long_double_with_-complexity
ppl_Octagonal_Shape_int16_t_tag, 705
ppl_new_Octagonal_Shape_int16_t_from_-Octagonal_Shape_mpq_class
ppl_Octagonal_Shape_int16_t_tag, 699
ppl_new_Octagonal_Shape_int16_t_from_-Octagonal_Shape_mpq_class_with_-complexity
ppl_Octagonal_Shape_int16_t_tag, 703
ppl_new_Octagonal_Shape_int16_t_from_-Octagonal_Shape_mpz_class
ppl_Octagonal_Shape_int16_t_tag, 699
ppl_new_Octagonal_Shape_int16_t_from_-Octagonal_Shape_mpz_class_with_-complexity
ppl_Octagonal_Shape_int16_t_tag, 703
ppl_new_Octagonal_Shape_int16_t_from_-Rational_Box
ppl_Octagonal_Shape_int16_t_tag, 698
ppl_new_Octagonal_Shape_int16_t_from_-Rational_Box_with_complexity
ppl_Octagonal_Shape_int16_t_tag, 702
ppl_new_Octagonal_Shape_int16_t_from_space_-dimension
ppl_Octagonal_Shape_int16_t_tag, 696
ppl_new_Octagonal_Shape_int16_t_from_-Uint16_Box
ppl_Octagonal_Shape_int16_t_tag, 697
ppl_new_Octagonal_Shape_int16_t_from_-Uint16_Box_with_complexity
ppl_Octagonal_Shape_int16_t_tag, 701
ppl_new_Octagonal_Shape_int16_t_from_-Uint32_Box
ppl_Octagonal_Shape_int16_t_tag, 697
ppl_new_Octagonal_Shape_int16_t_from_-Uint32_Box_with_complexity
ppl_Octagonal_Shape_int16_t_tag, 701
ppl_new_Octagonal_Shape_int16_t_from_-Uint64_Box
ppl_Octagonal_Shape_int16_t_tag, 697
ppl_new_Octagonal_Shape_int16_t_from_-Uint64_Box_with_complexity
ppl_Octagonal_Shape_int16_t_tag, 702
ppl_new_Octagonal_Shape_int16_t_from_Uint8_-Box
ppl_Octagonal_Shape_int16_t_tag, 697
ppl_new_Octagonal_Shape_int16_t_from_Uint8_-Box_with_complexity
ppl_Octagonal_Shape_int16_t_tag, 701
ppl_new_Octagonal_Shape_int16_t_from_Z_Box
ppl_Octagonal_Shape_int16_t_tag, 697
ppl_new_Octagonal_Shape_int16_t_from_Z_-Box_with_complexity
ppl_Octagonal_Shape_int16_t_tag, 702
ppl_new_Octagonal_Shape_int16_t_recycle_-Congruence_System

ppl_Octagonal_Shape_int16_t_tag, 715
ppl_new_Octagonal_Shape_int16_t_recycle_-Constraint_System
ppl_Octagonal_Shape_int16_t_tag, 715
ppl_new_Octagonal_Shape_int16_t_recycle_-Generator_System
ppl_Octagonal_Shape_int16_t_tag, 715
ppl_new_Octagonal_Shape_int32_t_from_BD_-Shape_double
ppl_Octagonal_Shape_int32_t_tag, 728
ppl_new_Octagonal_Shape_int32_t_from_BD_-Shape_double_with_complexity
ppl_Octagonal_Shape_int32_t_tag, 733
ppl_new_Octagonal_Shape_int32_t_from_BD_-Shape_float
ppl_Octagonal_Shape_int32_t_tag, 728
ppl_new_Octagonal_Shape_int32_t_from_BD_-Shape_float_with_complexity
ppl_Octagonal_Shape_int32_t_tag, 732
ppl_new_Octagonal_Shape_int32_t_from_BD_-Shape_int16_t
ppl_Octagonal_Shape_int32_t_tag, 726
ppl_new_Octagonal_Shape_int32_t_from_BD_-Shape_int16_t_with_complexity
ppl_Octagonal_Shape_int32_t_tag, 730
ppl_new_Octagonal_Shape_int32_t_from_BD_-Shape_int32_t
ppl_Octagonal_Shape_int32_t_tag, 726
ppl_new_Octagonal_Shape_int32_t_from_BD_-Shape_int32_t_with_complexity
ppl_Octagonal_Shape_int32_t_tag, 730
ppl_new_Octagonal_Shape_int32_t_from_BD_-Shape_int64_t
ppl_Octagonal_Shape_int32_t_tag, 726
ppl_new_Octagonal_Shape_int32_t_from_BD_-Shape_int64_t_with_complexity
ppl_Octagonal_Shape_int32_t_tag, 731
ppl_new_Octagonal_Shape_int32_t_from_BD_-Shape_int8_t
ppl_Octagonal_Shape_int32_t_tag, 726
ppl_new_Octagonal_Shape_int32_t_from_BD_-Shape_int8_t_with_complexity
ppl_Octagonal_Shape_int32_t_tag, 730
ppl_new_Octagonal_Shape_int32_t_from_BD_-Shape_long_double
ppl_Octagonal_Shape_int32_t_tag, 729
ppl_new_Octagonal_Shape_int32_t_from_BD_-Shape_long_double_with_complexity
ppl_Octagonal_Shape_int32_t_tag, 733
ppl_new_Octagonal_Shape_int32_t_from_BD_-Shape_mpq_class
ppl_Octagonal_Shape_int32_t_tag, 727
ppl_new_Octagonal_Shape_int32_t_from_BD_-Shape_mpq_class_with_complexity
ppl_Octagonal_Shape_int32_t_tag, 731
ppl_new_Octagonal_Shape_int32_t_from_BD_-Shape_mpz_class
ppl_Octagonal_Shape_int32_t_tag, 727
ppl_new_Octagonal_Shape_int32_t_from_BD_-Shape_mpz_class_with_complexity
ppl_Octagonal_Shape_int32_t_tag, 731
ppl_new_Octagonal_Shape_int32_t_from_C_-Polyhedron
ppl_Octagonal_Shape_int32_t_tag, 728
ppl_new_Octagonal_Shape_int32_t_from_C_-Polyhedron_with_complexity
ppl_Octagonal_Shape_int32_t_tag, 732
ppl_new_Octagonal_Shape_int32_t_from_-Congruence_System
ppl_Octagonal_Shape_int32_t_tag, 733
ppl_new_Octagonal_Shape_int32_t_from_-Constraint_System
ppl_Octagonal_Shape_int32_t_tag, 733
ppl_new_Octagonal_Shape_int32_t_from_-Double_Box
ppl_Octagonal_Shape_int32_t_tag, 728
ppl_new_Octagonal_Shape_int32_t_from_-Double_Box_with_complexity
ppl_Octagonal_Shape_int32_t_tag, 732
ppl_new_Octagonal_Shape_int32_t_from_Float_-Box
ppl_Octagonal_Shape_int32_t_tag, 728
ppl_new_Octagonal_Shape_int32_t_from_Float_-Box_with_complexity
ppl_Octagonal_Shape_int32_t_tag, 732
ppl_new_Octagonal_Shape_int32_t_from_-Generator_System
ppl_Octagonal_Shape_int32_t_tag, 733
ppl_new_Octagonal_Shape_int32_t_from_Grid
ppl_Octagonal_Shape_int32_t_tag, 728
ppl_new_Octagonal_Shape_int32_t_from_Grid_-with_complexity
ppl_Octagonal_Shape_int32_t_tag, 732
ppl_new_Octagonal_Shape_int32_t_from_Int16_-Box
ppl_Octagonal_Shape_int32_t_tag, 725
ppl_new_Octagonal_Shape_int32_t_from_Int16_-Box_with_complexity
ppl_Octagonal_Shape_int32_t_tag, 729
ppl_new_Octagonal_Shape_int32_t_from_Int32_-Box
ppl_Octagonal_Shape_int32_t_tag, 725
ppl_new_Octagonal_Shape_int32_t_from_Int32_-Box_with_complexity
ppl_Octagonal_Shape_int32_t_tag, 729
ppl_new_Octagonal_Shape_int32_t_from_Int64_-Box
ppl_Octagonal_Shape_int32_t_tag, 725

ppl_new_Octagonal_Shape_int32_t_from_Int64_-Box_with_complexity
ppl_Octagonal_Shape_int32_t_tag, 729
ppl_new_Octagonal_Shape_int32_t_from_Int8_-Box
ppl_Octagonal_Shape_int32_t_tag, 725
ppl_new_Octagonal_Shape_int32_t_from_Int8_-Box_with_complexity
ppl_Octagonal_Shape_int32_t_tag, 729
ppl_new_Octagonal_Shape_int32_t_from_Long_-Double_Box
ppl_Octagonal_Shape_int32_t_tag, 729
ppl_new_Octagonal_Shape_int32_t_from_Long_-Double_Box_with_complexity
ppl_Octagonal_Shape_int32_t_tag, 733
ppl_new_Octagonal_Shape_int32_t_from_NNC_-Polyhedron
ppl_Octagonal_Shape_int32_t_tag, 728
ppl_new_Octagonal_Shape_int32_t_from_NNC_-Polyhedron_with_complexity
ppl_Octagonal_Shape_int32_t_tag, 732
ppl_new_Octagonal_Shape_int32_t_from_-Octagonal_Shape_double
ppl_Octagonal_Shape_int32_t_tag, 728
ppl_new_Octagonal_Shape_int32_t_from_-Octagonal_Shape_double_with_-complexity
ppl_Octagonal_Shape_int32_t_tag, 733
ppl_new_Octagonal_Shape_int32_t_from_-Octagonal_Shape_float
ppl_Octagonal_Shape_int32_t_tag, 728
ppl_new_Octagonal_Shape_int32_t_from_-Octagonal_Shape_float_with_complexity
ppl_Octagonal_Shape_int32_t_tag, 732
ppl_new_Octagonal_Shape_int32_t_from_-Octagonal_Shape_int16_t
ppl_Octagonal_Shape_int32_t_tag, 727
ppl_new_Octagonal_Shape_int32_t_from_-Octagonal_Shape_int16_t_with_-complexity
ppl_Octagonal_Shape_int32_t_tag, 731
ppl_new_Octagonal_Shape_int32_t_from_-Octagonal_Shape_int32_t
ppl_Octagonal_Shape_int32_t_tag, 727
ppl_new_Octagonal_Shape_int32_t_from_-Octagonal_Shape_int32_t_with_-complexity
ppl_Octagonal_Shape_int32_t_tag, 731
ppl_new_Octagonal_Shape_int32_t_from_-Octagonal_Shape_int64_t
ppl_Octagonal_Shape_int32_t_tag, 727
ppl_new_Octagonal_Shape_int32_t_from_-Octagonal_Shape_int64_t_with_-complexity
ppl_Octagonal_Shape_int32_t_tag, 731
ppl_new_Octagonal_Shape_int32_t_from_-Octagonal_Shape_int8_t
ppl_Octagonal_Shape_int32_t_tag, 727
ppl_new_Octagonal_Shape_int32_t_from_-Octagonal_Shape_int8_t_with_-complexity
ppl_Octagonal_Shape_int32_t_tag, 731
ppl_new_Octagonal_Shape_int32_t_from_-Octagonal_Shape_long_double
ppl_Octagonal_Shape_int32_t_tag, 729
ppl_new_Octagonal_Shape_int32_t_from_-Octagonal_Shape_long_double_with_-complexity
ppl_Octagonal_Shape_int32_t_tag, 733
ppl_new_Octagonal_Shape_int32_t_from_-Octagonal_Shape_mpq_class
ppl_Octagonal_Shape_int32_t_tag, 727
ppl_new_Octagonal_Shape_int32_t_from_-Octagonal_Shape_mpq_class_with_-complexity
ppl_Octagonal_Shape_int32_t_tag, 732
ppl_new_Octagonal_Shape_int32_t_from_-Octagonal_Shape_mpz_class
ppl_Octagonal_Shape_int32_t_tag, 727
ppl_new_Octagonal_Shape_int32_t_from_-Octagonal_Shape_mpz_class_with_-complexity
ppl_Octagonal_Shape_int32_t_tag, 731
ppl_new_Octagonal_Shape_int32_t_from_-Rational_Box
ppl_Octagonal_Shape_int32_t_tag, 726
ppl_new_Octagonal_Shape_int32_t_from_-Rational_Box_with_complexity
ppl_Octagonal_Shape_int32_t_tag, 730
ppl_new_Octagonal_Shape_int32_t_from_space_-dimension
ppl_Octagonal_Shape_int32_t_tag, 725
ppl_new_Octagonal_Shape_int32_t_from_-Uint16_Box
ppl_Octagonal_Shape_int32_t_tag, 725
ppl_new_Octagonal_Shape_int32_t_from_-Uint16_Box_with_complexity
ppl_Octagonal_Shape_int32_t_tag, 730
ppl_new_Octagonal_Shape_int32_t_from_-Uint32_Box
ppl_Octagonal_Shape_int32_t_tag, 726
ppl_new_Octagonal_Shape_int32_t_from_-Uint32_Box_with_complexity
ppl_Octagonal_Shape_int32_t_tag, 730
ppl_new_Octagonal_Shape_int32_t_from_-Uint64_Box
ppl_Octagonal_Shape_int32_t_tag, 726

ppl_new_Octagonal_Shape_int32_t_from_-
Uint64_Box_with_complexity
ppl_Octagonal_Shape_int32_t_tag, 730
ppl_new_Octagonal_Shape_int32_t_from_Uint8_-
Box
ppl_Octagonal_Shape_int32_t_tag, 725
ppl_new_Octagonal_Shape_int32_t_from_Uint8_-
Box_with_complexity
ppl_Octagonal_Shape_int32_t_tag, 729
ppl_new_Octagonal_Shape_int32_t_from_Z_Box
ppl_Octagonal_Shape_int32_t_tag, 726
ppl_new_Octagonal_Shape_int32_t_from_Z_-
Box_with_complexity
ppl_Octagonal_Shape_int32_t_tag, 730
ppl_new_Octagonal_Shape_int32_t_recycle_-
Congruence_System
ppl_Octagonal_Shape_int32_t_tag, 743
ppl_new_Octagonal_Shape_int32_t_recycle_-
Constraint_System
ppl_Octagonal_Shape_int32_t_tag, 743
ppl_new_Octagonal_Shape_int32_t_recycle_-
Generator_System
ppl_Octagonal_Shape_int32_t_tag, 743
ppl_new_Octagonal_Shape_int64_t_from_BD_-
Shape_double
ppl_Octagonal_Shape_int64_t_tag, 757
ppl_new_Octagonal_Shape_int64_t_from_BD_-
Shape_double_with_complexity
ppl_Octagonal_Shape_int64_t_tag, 761
ppl_new_Octagonal_Shape_int64_t_from_BD_-
Shape_float
ppl_Octagonal_Shape_int64_t_tag, 756
ppl_new_Octagonal_Shape_int64_t_from_BD_-
Shape_float_with_complexity
ppl_Octagonal_Shape_int64_t_tag, 761
ppl_new_Octagonal_Shape_int64_t_from_BD_-
Shape_int16_t
ppl_Octagonal_Shape_int64_t_tag, 755
ppl_new_Octagonal_Shape_int64_t_from_BD_-
Shape_int16_t_with_complexity
ppl_Octagonal_Shape_int64_t_tag, 759
ppl_new_Octagonal_Shape_int64_t_from_BD_-
Shape_int32_t
ppl_Octagonal_Shape_int64_t_tag, 755
ppl_new_Octagonal_Shape_int64_t_from_BD_-
Shape_int32_t_with_complexity
ppl_Octagonal_Shape_int64_t_tag, 759
ppl_new_Octagonal_Shape_int64_t_from_BD_-
Shape_int64_t
ppl_Octagonal_Shape_int64_t_tag, 755
ppl_new_Octagonal_Shape_int64_t_from_BD_-
Shape_int64_t_with_complexity
ppl_Octagonal_Shape_int64_t_tag, 759
ppl_new_Octagonal_Shape_int64_t_from_BD_-
Shape_int8_t
ppl_Octagonal_Shape_int64_t_tag, 754
ppl_new_Octagonal_Shape_int64_t_from_BD_-
Shape_int8_t_with_complexity
ppl_Octagonal_Shape_int64_t_tag, 759
ppl_new_Octagonal_Shape_int64_t_from_BD_-
Shape_long_double
ppl_Octagonal_Shape_int64_t_tag, 757
ppl_new_Octagonal_Shape_int64_t_from_BD_-
Shape_long_double_with_complexity
ppl_Octagonal_Shape_int64_t_tag, 761
ppl_new_Octagonal_Shape_int64_t_from_BD_-
Shape_mpq_class
ppl_Octagonal_Shape_int64_t_tag, 755
ppl_new_Octagonal_Shape_int64_t_from_BD_-
Shape_mpq_class_with_complexity
ppl_Octagonal_Shape_int64_t_tag, 759
ppl_new_Octagonal_Shape_int64_t_from_BD_-
Shape_mpz_class
ppl_Octagonal_Shape_int64_t_tag, 755
ppl_new_Octagonal_Shape_int64_t_from_BD_-
Shape_mpz_class_with_complexity
ppl_Octagonal_Shape_int64_t_tag, 759
ppl_new_Octagonal_Shape_int64_t_from_C_-
Polyhedron
ppl_Octagonal_Shape_int64_t_tag, 756
ppl_new_Octagonal_Shape_int64_t_from_C_-
Polyhedron_with_complexity
ppl_Octagonal_Shape_int64_t_tag, 760
ppl_new_Octagonal_Shape_int64_t_from_-
Congruence_System
ppl_Octagonal_Shape_int64_t_tag, 762
ppl_new_Octagonal_Shape_int64_t_from_-
Constraint_System
ppl_Octagonal_Shape_int64_t_tag, 762
ppl_new_Octagonal_Shape_int64_t_from_-
Double_Box
ppl_Octagonal_Shape_int64_t_tag, 757
ppl_new_Octagonal_Shape_int64_t_from_-
Double_Box_with_complexity
ppl_Octagonal_Shape_int64_t_tag, 761
ppl_new_Octagonal_Shape_int64_t_from_Float_-
Box
ppl_Octagonal_Shape_int64_t_tag, 756
ppl_new_Octagonal_Shape_int64_t_from_Float_-
Box_with_complexity
ppl_Octagonal_Shape_int64_t_tag, 760
ppl_new_Octagonal_Shape_int64_t_from_-
Generator_System
ppl_Octagonal_Shape_int64_t_tag, 762
ppl_new_Octagonal_Shape_int64_t_from_Grid
ppl_Octagonal_Shape_int64_t_tag, 756

ppl_new_Octagonal_Shape_int64_t_from_Grid_-with_complexity
ppl_Octagonal_Shape_int64_t_tag, 760
ppl_new_Octagonal_Shape_int64_t_from_Int16_-Box
ppl_Octagonal_Shape_int64_t_tag, 753
ppl_new_Octagonal_Shape_int64_t_from_Int16_-Box_with_complexity
ppl_Octagonal_Shape_int64_t_tag, 757
ppl_new_Octagonal_Shape_int64_t_from_Int32_-Box
ppl_Octagonal_Shape_int64_t_tag, 753
ppl_new_Octagonal_Shape_int64_t_from_Int32_-Box_with_complexity
ppl_Octagonal_Shape_int64_t_tag, 758
ppl_new_Octagonal_Shape_int64_t_from_Int64_-Box
ppl_Octagonal_Shape_int64_t_tag, 754
ppl_new_Octagonal_Shape_int64_t_from_Int64_-Box_with_complexity
ppl_Octagonal_Shape_int64_t_tag, 758
ppl_new_Octagonal_Shape_int64_t_from_Int8_-Box
ppl_Octagonal_Shape_int64_t_tag, 753
ppl_new_Octagonal_Shape_int64_t_from_Int8_-Box_with_complexity
ppl_Octagonal_Shape_int64_t_tag, 757
ppl_new_Octagonal_Shape_int64_t_from_Long_-Double_Box
ppl_Octagonal_Shape_int64_t_tag, 757
ppl_new_Octagonal_Shape_int64_t_from_Long_-Double_Box_with_complexity
ppl_Octagonal_Shape_int64_t_tag, 761
ppl_new_Octagonal_Shape_int64_t_from_NNC_-Polyhedron
ppl_Octagonal_Shape_int64_t_tag, 756
ppl_new_Octagonal_Shape_int64_t_from_NNC_-Polyhedron_with_complexity
ppl_Octagonal_Shape_int64_t_tag, 760
ppl_new_Octagonal_Shape_int64_t_from_-Octagonal_Shape_double
ppl_Octagonal_Shape_int64_t_tag, 757
ppl_new_Octagonal_Shape_int64_t_from_-Octagonal_Shape_double_with_-complexity
ppl_Octagonal_Shape_int64_t_tag, 761
ppl_new_Octagonal_Shape_int64_t_from_-Octagonal_Shape_float
ppl_Octagonal_Shape_int64_t_tag, 756
ppl_new_Octagonal_Shape_int64_t_from_-Octagonal_Shape_float_with_complexity
ppl_Octagonal_Shape_int64_t_tag, 761
ppl_new_Octagonal_Shape_int64_t_from_-Octagonal_Shape_int16_t
ppl_Octagonal_Shape_int64_t_tag, 755
ppl_new_Octagonal_Shape_int64_t_from_-Octagonal_Shape_int16_t_with_-complexity
ppl_Octagonal_Shape_int64_t_tag, 759
ppl_new_Octagonal_Shape_int64_t_from_-Octagonal_Shape_int32_t
ppl_Octagonal_Shape_int64_t_tag, 755
ppl_new_Octagonal_Shape_int64_t_from_-Octagonal_Shape_int32_t_with_-complexity
ppl_Octagonal_Shape_int64_t_tag, 760
ppl_new_Octagonal_Shape_int64_t_from_-Octagonal_Shape_int64_t
ppl_Octagonal_Shape_int64_t_tag, 756
ppl_new_Octagonal_Shape_int64_t_from_-Octagonal_Shape_int64_t_with_-complexity
ppl_Octagonal_Shape_int64_t_tag, 760
ppl_new_Octagonal_Shape_int64_t_from_-Octagonal_Shape_int8_t
ppl_Octagonal_Shape_int64_t_tag, 755
ppl_new_Octagonal_Shape_int64_t_from_-Octagonal_Shape_int8_t_with_-complexity
ppl_Octagonal_Shape_int64_t_tag, 759
ppl_new_Octagonal_Shape_int64_t_from_-Octagonal_Shape_long_double
ppl_Octagonal_Shape_int64_t_tag, 757
ppl_new_Octagonal_Shape_int64_t_from_-Octagonal_Shape_long_double_with_-complexity
ppl_Octagonal_Shape_int64_t_tag, 761
ppl_new_Octagonal_Shape_int64_t_from_-Octagonal_Shape_mpq_class
ppl_Octagonal_Shape_int64_t_tag, 756
ppl_new_Octagonal_Shape_int64_t_from_-Octagonal_Shape_mpq_class_with_-complexity
ppl_Octagonal_Shape_int64_t_tag, 760
ppl_new_Octagonal_Shape_int64_t_from_-Octagonal_Shape_mpz_class
ppl_Octagonal_Shape_int64_t_tag, 756
ppl_new_Octagonal_Shape_int64_t_from_-Octagonal_Shape_mpz_class_with_-complexity
ppl_Octagonal_Shape_int64_t_tag, 760
ppl_new_Octagonal_Shape_int64_t_from_-Rational_Box
ppl_Octagonal_Shape_int64_t_tag, 754
ppl_new_Octagonal_Shape_int64_t_from_-Rational_Box_with_complexity
ppl_Octagonal_Shape_int64_t_tag, 758

ppl_new_Octagonal_Shape_int64_t_from_space_-dimension
ppl_Octagonal_Shape_int64_t_tag, 753
ppl_new_Octagonal_Shape_int64_t_from_-Uint16_Box
ppl_Octagonal_Shape_int64_t_tag, 754
ppl_new_Octagonal_Shape_int64_t_from_-Uint16_Box_with_complexity
ppl_Octagonal_Shape_int64_t_tag, 758
ppl_new_Octagonal_Shape_int64_t_from_-Uint32_Box
ppl_Octagonal_Shape_int64_t_tag, 754
ppl_new_Octagonal_Shape_int64_t_from_-Uint32_Box_with_complexity
ppl_Octagonal_Shape_int64_t_tag, 758
ppl_new_Octagonal_Shape_int64_t_from_-Uint64_Box
ppl_Octagonal_Shape_int64_t_tag, 754
ppl_new_Octagonal_Shape_int64_t_from_-Uint64_Box_with_complexity
ppl_Octagonal_Shape_int64_t_tag, 758
ppl_new_Octagonal_Shape_int64_t_from_Uint8_-Box
ppl_Octagonal_Shape_int64_t_tag, 754
ppl_new_Octagonal_Shape_int64_t_from_Uint8_-Box_with_complexity
ppl_Octagonal_Shape_int64_t_tag, 758
ppl_new_Octagonal_Shape_int64_t_from_Z_Box
ppl_Octagonal_Shape_int64_t_tag, 754
ppl_new_Octagonal_Shape_int64_t_from_Z_-Box_with_complexity
ppl_Octagonal_Shape_int64_t_tag, 758
ppl_new_Octagonal_Shape_int64_t_recycle_-Congruence_System
ppl_Octagonal_Shape_int64_t_tag, 771
ppl_new_Octagonal_Shape_int64_t_recycle_-Constraint_System
ppl_Octagonal_Shape_int64_t_tag, 771
ppl_new_Octagonal_Shape_int64_t_recycle_-Generator_System
ppl_Octagonal_Shape_int64_t_tag, 771
ppl_new_Octagonal_Shape_int8_t_from_BD_-Shape_double
ppl_Octagonal_Shape_int8_t_tag, 785
ppl_new_Octagonal_Shape_int8_t_from_BD_-Shape_double_with_complexity
ppl_Octagonal_Shape_int8_t_tag, 789
ppl_new_Octagonal_Shape_int8_t_from_BD_-Shape_float
ppl_Octagonal_Shape_int8_t_tag, 784
ppl_new_Octagonal_Shape_int8_t_from_BD_-Shape_float_with_complexity
ppl_Octagonal_Shape_int8_t_tag, 788
ppl_new_Octagonal_Shape_int8_t_from_BD_-Shape_int16_t
ppl_Octagonal_Shape_int8_t_tag, 782
ppl_new_Octagonal_Shape_int8_t_from_BD_-Shape_int16_t_with_complexity
ppl_Octagonal_Shape_int8_t_tag, 787
ppl_new_Octagonal_Shape_int8_t_from_BD_-Shape_int32_t
ppl_Octagonal_Shape_int8_t_tag, 783
ppl_new_Octagonal_Shape_int8_t_from_BD_-Shape_int32_t_with_complexity
ppl_Octagonal_Shape_int8_t_tag, 787
ppl_new_Octagonal_Shape_int8_t_from_BD_-Shape_int64_t
ppl_Octagonal_Shape_int8_t_tag, 783
ppl_new_Octagonal_Shape_int8_t_from_BD_-Shape_int64_t_with_complexity
ppl_Octagonal_Shape_int8_t_tag, 787
ppl_new_Octagonal_Shape_int8_t_from_BD_-Shape_int8_t
ppl_Octagonal_Shape_int8_t_tag, 782
ppl_new_Octagonal_Shape_int8_t_from_BD_-Shape_int8_t_with_complexity
ppl_Octagonal_Shape_int8_t_tag, 786
ppl_new_Octagonal_Shape_int8_t_from_BD_-Shape_long_double
ppl_Octagonal_Shape_int8_t_tag, 785
ppl_new_Octagonal_Shape_int8_t_from_BD_-Shape_long_double_with_complexity
ppl_Octagonal_Shape_int8_t_tag, 789
ppl_new_Octagonal_Shape_int8_t_from_BD_-Shape_mpq_class
ppl_Octagonal_Shape_int8_t_tag, 783
ppl_new_Octagonal_Shape_int8_t_from_BD_-Shape_mpq_class_with_complexity
ppl_Octagonal_Shape_int8_t_tag, 787
ppl_new_Octagonal_Shape_int8_t_from_BD_-Shape_mpz_class
ppl_Octagonal_Shape_int8_t_tag, 783
ppl_new_Octagonal_Shape_int8_t_from_BD_-Shape_mpz_class_with_complexity
ppl_Octagonal_Shape_int8_t_tag, 787
ppl_new_Octagonal_Shape_int8_t_from_C_-Polyhedron
ppl_Octagonal_Shape_int8_t_tag, 784
ppl_new_Octagonal_Shape_int8_t_from_C_-Polyhedron_with_complexity
ppl_Octagonal_Shape_int8_t_tag, 788
ppl_new_Octagonal_Shape_int8_t_from_-Congruence_System
ppl_Octagonal_Shape_int8_t_tag, 790
ppl_new_Octagonal_Shape_int8_t_from_-Constraint_System
ppl_Octagonal_Shape_int8_t_tag, 789

ppl_new_Octagonal_Shape_int8_t_from_Double_-Box
ppl_Octagonal_Shape_int8_t_tag, 784
ppl_new_Octagonal_Shape_int8_t_from_Double_-Box_with_complexity
ppl_Octagonal_Shape_int8_t_tag, 789
ppl_new_Octagonal_Shape_int8_t_from_Float_-Box
ppl_Octagonal_Shape_int8_t_tag, 784
ppl_new_Octagonal_Shape_int8_t_from_Float_-Box_with_complexity
ppl_Octagonal_Shape_int8_t_tag, 788
ppl_new_Octagonal_Shape_int8_t_from_-Generator_System
ppl_Octagonal_Shape_int8_t_tag, 790
ppl_new_Octagonal_Shape_int8_t_from_Grid
ppl_Octagonal_Shape_int8_t_tag, 784
ppl_new_Octagonal_Shape_int8_t_from_Grid_-with_complexity
ppl_Octagonal_Shape_int8_t_tag, 788
ppl_new_Octagonal_Shape_int8_t_from_Int16_-Box
ppl_Octagonal_Shape_int8_t_tag, 781
ppl_new_Octagonal_Shape_int8_t_from_Int16_-Box_with_complexity
ppl_Octagonal_Shape_int8_t_tag, 785
ppl_new_Octagonal_Shape_int8_t_from_Int32_-Box
ppl_Octagonal_Shape_int8_t_tag, 781
ppl_new_Octagonal_Shape_int8_t_from_Int32_-Box_with_complexity
ppl_Octagonal_Shape_int8_t_tag, 785
ppl_new_Octagonal_Shape_int8_t_from_Int64_-Box
ppl_Octagonal_Shape_int8_t_tag, 782
ppl_new_Octagonal_Shape_int8_t_from_Int64_-Box_with_complexity
ppl_Octagonal_Shape_int8_t_tag, 786
ppl_new_Octagonal_Shape_int8_t_from_Int8_Box
ppl_Octagonal_Shape_int8_t_tag, 781
ppl_new_Octagonal_Shape_int8_t_from_Int8_-Box_with_complexity
ppl_Octagonal_Shape_int8_t_tag, 785
ppl_new_Octagonal_Shape_int8_t_from_Long_-Double_Box
ppl_Octagonal_Shape_int8_t_tag, 785
ppl_new_Octagonal_Shape_int8_t_from_Long_-Double_Box_with_complexity
ppl_Octagonal_Shape_int8_t_tag, 789
ppl_new_Octagonal_Shape_int8_t_from_NNC_-Polyhedron
ppl_Octagonal_Shape_int8_t_tag, 784
ppl_new_Octagonal_Shape_int8_t_from_NNC_-Polyhedron_with_complexity
ppl_Octagonal_Shape_int8_t_tag, 788
ppl_new_Octagonal_Shape_int8_t_from_-Octagonal_Shape_double
ppl_Octagonal_Shape_int8_t_tag, 785
ppl_new_Octagonal_Shape_int8_t_from_-Octagonal_Shape_double_with_-complexity
ppl_Octagonal_Shape_int8_t_tag, 789
ppl_new_Octagonal_Shape_int8_t_from_-Octagonal_Shape_float
ppl_Octagonal_Shape_int8_t_tag, 784
ppl_new_Octagonal_Shape_int8_t_from_-Octagonal_Shape_float_with_complexity
ppl_Octagonal_Shape_int8_t_tag, 789
ppl_new_Octagonal_Shape_int8_t_from_-Octagonal_Shape_int16_t
ppl_Octagonal_Shape_int8_t_tag, 783
ppl_new_Octagonal_Shape_int8_t_from_-Octagonal_Shape_int16_t_with_-complexity
ppl_Octagonal_Shape_int8_t_tag, 787
ppl_new_Octagonal_Shape_int8_t_from_-Octagonal_Shape_int32_t
ppl_Octagonal_Shape_int8_t_tag, 783
ppl_new_Octagonal_Shape_int8_t_from_-Octagonal_Shape_int32_t_with_-complexity
ppl_Octagonal_Shape_int8_t_tag, 787
ppl_new_Octagonal_Shape_int8_t_from_-Octagonal_Shape_int64_t
ppl_Octagonal_Shape_int8_t_tag, 783
ppl_new_Octagonal_Shape_int8_t_from_-Octagonal_Shape_int64_t_with_-complexity
ppl_Octagonal_Shape_int8_t_tag, 788
ppl_new_Octagonal_Shape_int8_t_from_-Octagonal_Shape_int8_t
ppl_Octagonal_Shape_int8_t_tag, 783
ppl_new_Octagonal_Shape_int8_t_from_-Octagonal_Shape_int8_t_with_-complexity
ppl_Octagonal_Shape_int8_t_tag, 787
ppl_new_Octagonal_Shape_int8_t_from_-Octagonal_Shape_long_double
ppl_Octagonal_Shape_int8_t_tag, 785
ppl_new_Octagonal_Shape_int8_t_from_-Octagonal_Shape_long_double_with_-complexity
ppl_Octagonal_Shape_int8_t_tag, 789
ppl_new_Octagonal_Shape_int8_t_from_-Octagonal_Shape_mpq_class
ppl_Octagonal_Shape_int8_t_tag, 784
ppl_new_Octagonal_Shape_int8_t_from_-Octagonal_Shape_mpq_class_with_-

complexity
ppl_Octagonal_Shape_int8_t_tag, 788
ppl_new_Octagonal_Shape_int8_t_from_-Octagonal_Shape_mpz_class
ppl_Octagonal_Shape_int8_t_tag, 784
ppl_new_Octagonal_Shape_int8_t_from_-Octagonal_Shape_mpz_class_with_-complexity
ppl_Octagonal_Shape_int8_t_tag, 788
ppl_new_Octagonal_Shape_int8_t_from_-Rational_Box
ppl_Octagonal_Shape_int8_t_tag, 782
ppl_new_Octagonal_Shape_int8_t_from_-Rational_Box_with_complexity
ppl_Octagonal_Shape_int8_t_tag, 786
ppl_new_Octagonal_Shape_int8_t_from_space_-dimension
ppl_Octagonal_Shape_int8_t_tag, 781
ppl_new_Octagonal_Shape_int8_t_from_Uint16_-Box
ppl_Octagonal_Shape_int8_t_tag, 782
ppl_new_Octagonal_Shape_int8_t_from_Uint16_-Box_with_complexity
ppl_Octagonal_Shape_int8_t_tag, 786
ppl_new_Octagonal_Shape_int8_t_from_Uint32_-Box
ppl_Octagonal_Shape_int8_t_tag, 782
ppl_new_Octagonal_Shape_int8_t_from_Uint32_-Box_with_complexity
ppl_Octagonal_Shape_int8_t_tag, 786
ppl_new_Octagonal_Shape_int8_t_from_Uint64_-Box
ppl_Octagonal_Shape_int8_t_tag, 782
ppl_new_Octagonal_Shape_int8_t_from_Uint64_-Box_with_complexity
ppl_Octagonal_Shape_int8_t_tag, 786
ppl_new_Octagonal_Shape_int8_t_from_Uint8_-Box
ppl_Octagonal_Shape_int8_t_tag, 782
ppl_new_Octagonal_Shape_int8_t_from_Uint8_-Box_with_complexity
ppl_Octagonal_Shape_int8_t_tag, 786
ppl_new_Octagonal_Shape_int8_t_from_Z_Box
ppl_Octagonal_Shape_int8_t_tag, 782
ppl_new_Octagonal_Shape_int8_t_from_Z_Box_-with_complexity
ppl_Octagonal_Shape_int8_t_tag, 786
ppl_new_Octagonal_Shape_int8_t_recycle_-Congruence_System
ppl_Octagonal_Shape_int8_t_tag, 799
ppl_new_Octagonal_Shape_int8_t_recycle_-Constraint_System
ppl_Octagonal_Shape_int8_t_tag, 799
ppl_new_Octagonal_Shape_int8_t_recycle_-Generator_System
ppl_Octagonal_Shape_int8_t_tag, 799
ppl_new_Octagonal_Shape_long_double_from_-BD_Shape_double
ppl_Octagonal_Shape_long_double_tag, 813
ppl_new_Octagonal_Shape_long_double_from_-BD_Shape_double_with_complexity
ppl_Octagonal_Shape_long_double_tag, 817
ppl_new_Octagonal_Shape_long_double_from_-BD_Shape_float
ppl_Octagonal_Shape_long_double_tag, 813
ppl_new_Octagonal_Shape_long_double_from_-BD_Shape_float_with_complexity
ppl_Octagonal_Shape_long_double_tag, 817
ppl_new_Octagonal_Shape_long_double_from_-BD_Shape_int16_t
ppl_Octagonal_Shape_long_double_tag, 811
ppl_new_Octagonal_Shape_long_double_from_-BD_Shape_int16_t_with_complexity
ppl_Octagonal_Shape_long_double_tag, 815
ppl_new_Octagonal_Shape_long_double_from_-BD_Shape_int32_t
ppl_Octagonal_Shape_long_double_tag, 811
ppl_new_Octagonal_Shape_long_double_from_-BD_Shape_int32_t_with_complexity
ppl_Octagonal_Shape_long_double_tag, 815
ppl_new_Octagonal_Shape_long_double_from_-BD_Shape_int64_t
ppl_Octagonal_Shape_long_double_tag, 811
ppl_new_Octagonal_Shape_long_double_from_-BD_Shape_int64_t_with_complexity
ppl_Octagonal_Shape_long_double_tag, 815
ppl_new_Octagonal_Shape_long_double_from_-BD_Shape_int8_t
ppl_Octagonal_Shape_long_double_tag, 811
ppl_new_Octagonal_Shape_long_double_from_-BD_Shape_int8_t_with_complexity
ppl_Octagonal_Shape_long_double_tag, 815
ppl_new_Octagonal_Shape_long_double_from_-BD_Shape_long_double
ppl_Octagonal_Shape_long_double_tag, 813
ppl_new_Octagonal_Shape_long_double_-from_BD_Shape_long_double_with_-complexity
ppl_Octagonal_Shape_long_double_tag, 818
ppl_new_Octagonal_Shape_long_double_from_-BD_Shape_mpq_class
ppl_Octagonal_Shape_long_double_tag, 811
ppl_new_Octagonal_Shape_long_double_from_-BD_Shape_mpq_class_with_complexity
ppl_Octagonal_Shape_long_double_tag, 816
ppl_new_Octagonal_Shape_long_double_from_-BD_Shape_mpz_class

ppl_Octagonal_Shape_long_double_tag, 811
ppl_new_Octagonal_Shape_long_double_from_-BD_Shape_mpz_class_with_complexity
ppl_Octagonal_Shape_long_double_tag, 815
ppl_new_Octagonal_Shape_long_double_from_-C_Polyhedron
ppl_Octagonal_Shape_long_double_tag, 812
ppl_new_Octagonal_Shape_long_double_from_-C_Polyhedron_with_complexity
ppl_Octagonal_Shape_long_double_tag, 816
ppl_new_Octagonal_Shape_long_double_from_-Congruence_System
ppl_Octagonal_Shape_long_double_tag, 818
ppl_new_Octagonal_Shape_long_double_from_-Constraint_System
ppl_Octagonal_Shape_long_double_tag, 818
ppl_new_Octagonal_Shape_long_double_from_-Double_Box
ppl_Octagonal_Shape_long_double_tag, 813
ppl_new_Octagonal_Shape_long_double_from_-Double_Box_with_complexity
ppl_Octagonal_Shape_long_double_tag, 817
ppl_new_Octagonal_Shape_long_double_from_-Float_Box
ppl_Octagonal_Shape_long_double_tag, 813
ppl_new_Octagonal_Shape_long_double_from_-Float_Box_with_complexity
ppl_Octagonal_Shape_long_double_tag, 817
ppl_new_Octagonal_Shape_long_double_from_-Generator_System
ppl_Octagonal_Shape_long_double_tag, 818
ppl_new_Octagonal_Shape_long_double_from_-Grid
ppl_Octagonal_Shape_long_double_tag, 812
ppl_new_Octagonal_Shape_long_double_from_-Grid_with_complexity
ppl_Octagonal_Shape_long_double_tag, 817
ppl_new_Octagonal_Shape_long_double_from_-Int16_Box
ppl_Octagonal_Shape_long_double_tag, 810
ppl_new_Octagonal_Shape_long_double_from_-Int16_Box_with_complexity
ppl_Octagonal_Shape_long_double_tag, 814
ppl_new_Octagonal_Shape_long_double_from_-Int32_Box
ppl_Octagonal_Shape_long_double_tag, 810
ppl_new_Octagonal_Shape_long_double_from_-Int32_Box_with_complexity
ppl_Octagonal_Shape_long_double_tag, 814
ppl_new_Octagonal_Shape_long_double_from_-Int64_Box
ppl_Octagonal_Shape_long_double_tag, 810
ppl_new_Octagonal_Shape_long_double_from_-Int64_Box_with_complexity
ppl_Octagonal_Shape_long_double_tag, 814
ppl_new_Octagonal_Shape_long_double_from_-Int8_Box
ppl_Octagonal_Shape_long_double_tag, 810
ppl_new_Octagonal_Shape_long_double_from_-Int8_Box_with_complexity
ppl_Octagonal_Shape_long_double_tag, 814
ppl_new_Octagonal_Shape_long_double_from_-Long_Double_Box
ppl_Octagonal_Shape_long_double_tag, 813
ppl_new_Octagonal_Shape_long_double_from_-Long_Double_Box_with_complexity
ppl_Octagonal_Shape_long_double_tag, 818
ppl_new_Octagonal_Shape_long_double_from_-NNC_Polyhedron
ppl_Octagonal_Shape_long_double_tag, 812
ppl_new_Octagonal_Shape_long_double_from_-NNC_Polyhedron_with_complexity
ppl_Octagonal_Shape_long_double_tag, 817
ppl_new_Octagonal_Shape_long_double_from_-Octagonal_Shape_double
ppl_Octagonal_Shape_long_double_tag, 813
ppl_new_Octagonal_Shape_long_double_from_-Octagonal_Shape_double_with_-complexity
ppl_Octagonal_Shape_long_double_tag, 817
ppl_new_Octagonal_Shape_long_double_from_-Octagonal_Shape_float
ppl_Octagonal_Shape_long_double_tag, 813
ppl_new_Octagonal_Shape_long_double_from_-Octagonal_Shape_float_with_complexity
ppl_Octagonal_Shape_long_double_tag, 817
ppl_new_Octagonal_Shape_long_double_from_-Octagonal_Shape_int16_t
ppl_Octagonal_Shape_long_double_tag, 812
ppl_new_Octagonal_Shape_long_double_from_-Octagonal_Shape_int16_t_with_-complexity
ppl_Octagonal_Shape_long_double_tag, 816
ppl_new_Octagonal_Shape_long_double_from_-Octagonal_Shape_int32_t
ppl_Octagonal_Shape_long_double_tag, 812
ppl_new_Octagonal_Shape_long_double_from_-Octagonal_Shape_int32_t_with_-complexity
ppl_Octagonal_Shape_long_double_tag, 816
ppl_new_Octagonal_Shape_long_double_from_-Octagonal_Shape_int64_t
ppl_Octagonal_Shape_long_double_tag, 812
ppl_new_Octagonal_Shape_long_double_from_-Octagonal_Shape_int64_t_with_-complexity
ppl_Octagonal_Shape_long_double_tag, 816

ppl_new_Octagonal_Shape_long_double_from_-
Octagonal_Shape_int8_t
ppl_Octagonal_Shape_long_double_tag, 811
ppl_new_Octagonal_Shape_long_double_-
from_Octagonal_Shape_int8_t_with_-
complexity
ppl_Octagonal_Shape_long_double_tag, 816
ppl_new_Octagonal_Shape_long_double_from_-
Octagonal_Shape_long_double
ppl_Octagonal_Shape_long_double_tag, 814
ppl_new_Octagonal_Shape_long_double_from_-
Octagonal_Shape_long_double_with_-
complexity
ppl_Octagonal_Shape_long_double_tag, 818
ppl_new_Octagonal_Shape_long_double_from_-
Octagonal_Shape_mpq_class
ppl_Octagonal_Shape_long_double_tag, 812
ppl_new_Octagonal_Shape_long_double_from_-
Octagonal_Shape_mpq_class_with_-
complexity
ppl_Octagonal_Shape_long_double_tag, 816
ppl_new_Octagonal_Shape_long_double_from_-
Octagonal_Shape_mpz_class
ppl_Octagonal_Shape_long_double_tag, 812
ppl_new_Octagonal_Shape_long_double_from_-
Octagonal_Shape_mpz_class_with_-
complexity
ppl_Octagonal_Shape_long_double_tag, 816
ppl_new_Octagonal_Shape_long_double_from_-
Rational_Box
ppl_Octagonal_Shape_long_double_tag, 811
ppl_new_Octagonal_Shape_long_double_from_-
Rational_Box_with_complexity
ppl_Octagonal_Shape_long_double_tag, 815
ppl_new_Octagonal_Shape_long_double_from_-
space_dimension
ppl_Octagonal_Shape_long_double_tag, 809
ppl_new_Octagonal_Shape_long_double_from_-
Uint16_Box
ppl_Octagonal_Shape_long_double_tag, 810
ppl_new_Octagonal_Shape_long_double_from_-
Uint16_Box_with_complexity
ppl_Octagonal_Shape_long_double_tag, 814
ppl_new_Octagonal_Shape_long_double_from_-
Uint32_Box
ppl_Octagonal_Shape_long_double_tag, 810
ppl_new_Octagonal_Shape_long_double_from_-
Uint32_Box_with_complexity
ppl_Octagonal_Shape_long_double_tag, 814
ppl_new_Octagonal_Shape_long_double_from_-
Uint64_Box
ppl_Octagonal_Shape_long_double_tag, 810
ppl_new_Octagonal_Shape_long_double_from_-
Uint64_Box_with_complexity
ppl_Octagonal_Shape_long_double_tag, 815
ppl_new_Octagonal_Shape_long_double_from_-
Uint8_Box
ppl_Octagonal_Shape_long_double_tag, 810
ppl_new_Octagonal_Shape_long_double_from_-
Uint8_Box_with_complexity
ppl_Octagonal_Shape_long_double_tag, 814
ppl_new_Octagonal_Shape_long_double_from_-
Z_Box
ppl_Octagonal_Shape_long_double_tag, 810
ppl_new_Octagonal_Shape_long_double_from_-
Z_Box_with_complexity
ppl_Octagonal_Shape_long_double_tag, 815
ppl_new_Octagonal_Shape_long_double_recycle_-
Congruence_System
ppl_Octagonal_Shape_long_double_tag, 828
ppl_new_Octagonal_Shape_long_double_recycle_-
Constraint_System
ppl_Octagonal_Shape_long_double_tag, 828
ppl_new_Octagonal_Shape_long_double_recycle_-
Generator_System
ppl_Octagonal_Shape_long_double_tag, 828
ppl_new_Octagonal_Shape_mpq_class_from_-
BD_Shape_double
ppl_Octagonal_Shape_mpq_class_tag, 842
ppl_new_Octagonal_Shape_mpq_class_from_-
BD_Shape_double_with_complexity
ppl_Octagonal_Shape_mpq_class_tag, 846
ppl_new_Octagonal_Shape_mpq_class_from_-
BD_Shape_float
ppl_Octagonal_Shape_mpq_class_tag, 842
ppl_new_Octagonal_Shape_mpq_class_from_-
BD_Shape_float_with_complexity
ppl_Octagonal_Shape_mpq_class_tag, 846
ppl_new_Octagonal_Shape_mpq_class_from_-
BD_Shape_int16_t
ppl_Octagonal_Shape_mpq_class_tag, 840
ppl_new_Octagonal_Shape_mpq_class_from_-
BD_Shape_int16_t_with_complexity
ppl_Octagonal_Shape_mpq_class_tag, 844
ppl_new_Octagonal_Shape_mpq_class_from_-
BD_Shape_int32_t
ppl_Octagonal_Shape_mpq_class_tag, 840
ppl_new_Octagonal_Shape_mpq_class_from_-
BD_Shape_int32_t_with_complexity
ppl_Octagonal_Shape_mpq_class_tag, 844
ppl_new_Octagonal_Shape_mpq_class_from_-
BD_Shape_int64_t
ppl_Octagonal_Shape_mpq_class_tag, 840
ppl_new_Octagonal_Shape_mpq_class_from_-
BD_Shape_int64_t_with_complexity
ppl_Octagonal_Shape_mpq_class_tag, 844
ppl_new_Octagonal_Shape_mpq_class_from_-
BD_Shape_int8_t

ppl_Octagonal_Shape_mpq_class_tag, 840
ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_int8_t_with_complexity
ppl_Octagonal_Shape_mpq_class_tag, 844
ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_long_double
ppl_Octagonal_Shape_mpq_class_tag, 843
ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_long_double_with_complexity
ppl_Octagonal_Shape_mpq_class_tag, 847
ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_mpq_class
ppl_Octagonal_Shape_mpq_class_tag, 840
ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_mpq_class_with_complexity
ppl_Octagonal_Shape_mpq_class_tag, 845
ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_mpz_class
ppl_Octagonal_Shape_mpq_class_tag, 840
ppl_new_Octagonal_Shape_mpq_class_from_BD_Shape_mpz_class_with_complexity
ppl_Octagonal_Shape_mpq_class_tag, 845
ppl_new_Octagonal_Shape_mpq_class_from_C_Polyhedron
ppl_Octagonal_Shape_mpq_class_tag, 841
ppl_new_Octagonal_Shape_mpq_class_from_C_Polyhedron_with_complexity
ppl_Octagonal_Shape_mpq_class_tag, 846
ppl_new_Octagonal_Shape_mpq_class_from_Congruence_System
ppl_Octagonal_Shape_mpq_class_tag, 847
ppl_new_Octagonal_Shape_mpq_class_from_Constraint_System
ppl_Octagonal_Shape_mpq_class_tag, 847
ppl_new_Octagonal_Shape_mpq_class_from_Double_Box
ppl_Octagonal_Shape_mpq_class_tag, 842
ppl_new_Octagonal_Shape_mpq_class_from_Double_Box_with_complexity
ppl_Octagonal_Shape_mpq_class_tag, 846
ppl_new_Octagonal_Shape_mpq_class_from_Float_Box
ppl_Octagonal_Shape_mpq_class_tag, 842
ppl_new_Octagonal_Shape_mpq_class_from_Float_Box_with_complexity
ppl_Octagonal_Shape_mpq_class_tag, 846
ppl_new_Octagonal_Shape_mpq_class_from_Generator_System
ppl_Octagonal_Shape_mpq_class_tag, 847
ppl_new_Octagonal_Shape_mpq_class_from_Grid
ppl_Octagonal_Shape_mpq_class_tag, 842
ppl_new_Octagonal_Shape_mpq_class_from_Grid_with_complexity
ppl_Octagonal_Shape_mpq_class_tag, 846
ppl_new_Octagonal_Shape_mpq_class_from_Int16_Box
ppl_Octagonal_Shape_mpq_class_tag, 839
ppl_new_Octagonal_Shape_mpq_class_from_Int16_Box_with_complexity
ppl_Octagonal_Shape_mpq_class_tag, 843
ppl_new_Octagonal_Shape_mpq_class_from_Int32_Box
ppl_Octagonal_Shape_mpq_class_tag, 839
ppl_new_Octagonal_Shape_mpq_class_from_Int32_Box_with_complexity
ppl_Octagonal_Shape_mpq_class_tag, 843
ppl_new_Octagonal_Shape_mpq_class_from_Int64_Box
ppl_Octagonal_Shape_mpq_class_tag, 839
ppl_new_Octagonal_Shape_mpq_class_from_Int64_Box_with_complexity
ppl_Octagonal_Shape_mpq_class_tag, 843
ppl_new_Octagonal_Shape_mpq_class_from_Int8_Box
ppl_Octagonal_Shape_mpq_class_tag, 839
ppl_new_Octagonal_Shape_mpq_class_from_Int8_Box_with_complexity
ppl_Octagonal_Shape_mpq_class_tag, 843
ppl_new_Octagonal_Shape_mpq_class_from_Long_Double_Box
ppl_Octagonal_Shape_mpq_class_tag, 842
ppl_new_Octagonal_Shape_mpq_class_from_Long_Double_Box_with_complexity
ppl_Octagonal_Shape_mpq_class_tag, 847
ppl_new_Octagonal_Shape_mpq_class_from_NNC_Polyhedron
ppl_Octagonal_Shape_mpq_class_tag, 841
ppl_new_Octagonal_Shape_mpq_class_from_NNC_Polyhedron_with_complexity
ppl_Octagonal_Shape_mpq_class_tag, 846
ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_double
ppl_Octagonal_Shape_mpq_class_tag, 842
ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_double_with_complexity
ppl_Octagonal_Shape_mpq_class_tag, 847
ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_float
ppl_Octagonal_Shape_mpq_class_tag, 842
ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_float_with_complexity
ppl_Octagonal_Shape_mpq_class_tag, 846
ppl_new_Octagonal_Shape_mpq_class_from_Octagonal_Shape_int16_t
ppl_Octagonal_Shape_mpq_class_tag, 841

ppl_new_Octagonal_Shape_mpq_class_from_-
Octagonal_Shape_int16_t_with_-
complexity
ppl_Octagonal_Shape_mpq_class_tag, 845
ppl_new_Octagonal_Shape_mpq_class_from_-
Octagonal_Shape_int32_t
ppl_Octagonal_Shape_mpq_class_tag, 841
ppl_new_Octagonal_Shape_mpq_class_from_-
Octagonal_Shape_int32_t_with_-
complexity
ppl_Octagonal_Shape_mpq_class_tag, 845
ppl_new_Octagonal_Shape_mpq_class_from_-
Octagonal_Shape_int64_t
ppl_Octagonal_Shape_mpq_class_tag, 841
ppl_new_Octagonal_Shape_mpq_class_from_-
Octagonal_Shape_int64_t_with_-
complexity
ppl_Octagonal_Shape_mpq_class_tag, 845
ppl_new_Octagonal_Shape_mpq_class_from_-
Octagonal_Shape_int8_t
ppl_Octagonal_Shape_mpq_class_tag, 841
ppl_new_Octagonal_Shape_mpq_class_from_-
Octagonal_Shape_int8_t_with_-
complexity
ppl_Octagonal_Shape_mpq_class_tag, 845
ppl_new_Octagonal_Shape_mpq_class_from_-
Octagonal_Shape_long_double
ppl_Octagonal_Shape_mpq_class_tag, 843
ppl_new_Octagonal_Shape_mpq_class_from_-
Octagonal_Shape_long_double_with_-
complexity
ppl_Octagonal_Shape_mpq_class_tag, 847
ppl_new_Octagonal_Shape_mpq_class_from_-
Octagonal_Shape_mpq_class
ppl_Octagonal_Shape_mpq_class_tag, 841
ppl_new_Octagonal_Shape_mpq_class_from_-
Octagonal_Shape_mpq_class_with_-
complexity
ppl_Octagonal_Shape_mpq_class_tag, 845
ppl_new_Octagonal_Shape_mpq_class_from_-
Octagonal_Shape_mpz_class
ppl_Octagonal_Shape_mpq_class_tag, 841
ppl_new_Octagonal_Shape_mpq_class_from_-
Octagonal_Shape_mpz_class_with_-
complexity
ppl_Octagonal_Shape_mpq_class_tag, 845
ppl_new_Octagonal_Shape_mpq_class_from_-
Rational_Box
ppl_Octagonal_Shape_mpq_class_tag, 840
ppl_new_Octagonal_Shape_mpq_class_from_-
Rational_Box_with_complexity
ppl_Octagonal_Shape_mpq_class_tag, 844
ppl_new_Octagonal_Shape_mpq_class_from_-
space_dimension
ppl_Octagonal_Shape_mpq_class_tag, 838
ppl_new_Octagonal_Shape_mpq_class_from_-
Uint16_Box
ppl_Octagonal_Shape_mpq_class_tag, 839
ppl_new_Octagonal_Shape_mpq_class_from_-
Uint16_Box_with_complexity
ppl_Octagonal_Shape_mpq_class_tag, 843
ppl_new_Octagonal_Shape_mpq_class_from_-
Uint32_Box
ppl_Octagonal_Shape_mpq_class_tag, 839
ppl_new_Octagonal_Shape_mpq_class_from_-
Uint32_Box_with_complexity
ppl_Octagonal_Shape_mpq_class_tag, 844
ppl_new_Octagonal_Shape_mpq_class_from_-
Uint64_Box
ppl_Octagonal_Shape_mpq_class_tag, 839
ppl_new_Octagonal_Shape_mpq_class_from_-
Uint64_Box_with_complexity
ppl_Octagonal_Shape_mpq_class_tag, 844
ppl_new_Octagonal_Shape_mpq_class_from_-
Uint8_Box
ppl_Octagonal_Shape_mpq_class_tag, 839
ppl_new_Octagonal_Shape_mpq_class_from_-
Uint8_Box_with_complexity
ppl_Octagonal_Shape_mpq_class_tag, 843
ppl_new_Octagonal_Shape_mpq_class_from_Z_-
Box
ppl_Octagonal_Shape_mpq_class_tag, 840
ppl_new_Octagonal_Shape_mpq_class_from_Z_-
Box_with_complexity
ppl_Octagonal_Shape_mpq_class_tag, 844
ppl_new_Octagonal_Shape_mpq_class_recycle_-
Congruence_System
ppl_Octagonal_Shape_mpq_class_tag, 857
ppl_new_Octagonal_Shape_mpq_class_recycle_-
Constraint_System
ppl_Octagonal_Shape_mpq_class_tag, 857
ppl_new_Octagonal_Shape_mpq_class_recycle_-
Generator_System
ppl_Octagonal_Shape_mpq_class_tag, 857
ppl_new_Octagonal_Shape_mpz_class_from_-
BD_Shape_double
ppl_Octagonal_Shape_mpz_class_tag, 871
ppl_new_Octagonal_Shape_mpz_class_from_-
BD_Shape_double_with_complexity
ppl_Octagonal_Shape_mpz_class_tag, 875
ppl_new_Octagonal_Shape_mpz_class_from_-
BD_Shape_float
ppl_Octagonal_Shape_mpz_class_tag, 871
ppl_new_Octagonal_Shape_mpz_class_from_-
BD_Shape_float_with_complexity
ppl_Octagonal_Shape_mpz_class_tag, 875
ppl_new_Octagonal_Shape_mpz_class_from_-
BD_Shape_int16_t

ppl_Octagonal_Shape_mpz_class_tag, 869
ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_int16_t_with_complexity
ppl_Octagonal_Shape_mpz_class_tag, 873
ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_int32_t
ppl_Octagonal_Shape_mpz_class_tag, 869
ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_int32_t_with_complexity
ppl_Octagonal_Shape_mpz_class_tag, 873
ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_int64_t
ppl_Octagonal_Shape_mpz_class_tag, 869
ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_int64_t_with_complexity
ppl_Octagonal_Shape_mpz_class_tag, 873
ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_int8_t
ppl_Octagonal_Shape_mpz_class_tag, 869
ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_int8_t_with_complexity
ppl_Octagonal_Shape_mpz_class_tag, 873
ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_long_double
ppl_Octagonal_Shape_mpz_class_tag, 872
ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_long_double_with_complexity
ppl_Octagonal_Shape_mpz_class_tag, 876
ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_mpq_class
ppl_Octagonal_Shape_mpz_class_tag, 869
ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_mpq_class_with_complexity
ppl_Octagonal_Shape_mpz_class_tag, 874
ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_mpz_class
ppl_Octagonal_Shape_mpz_class_tag, 869
ppl_new_Octagonal_Shape_mpz_class_from_BD_Shape_mpz_class_with_complexity
ppl_Octagonal_Shape_mpz_class_tag, 874
ppl_new_Octagonal_Shape_mpz_class_from_C_Polyhedron
ppl_Octagonal_Shape_mpz_class_tag, 870
ppl_new_Octagonal_Shape_mpz_class_from_C_Polyhedron_with_complexity
ppl_Octagonal_Shape_mpz_class_tag, 875
ppl_new_Octagonal_Shape_mpz_class_from_Congruence_System
ppl_Octagonal_Shape_mpz_class_tag, 876
ppl_new_Octagonal_Shape_mpz_class_from_Constraint_System
ppl_Octagonal_Shape_mpz_class_tag, 876
ppl_new_Octagonal_Shape_mpz_class_from_Double_Box
ppl_Octagonal_Shape_mpz_class_tag, 871
ppl_new_Octagonal_Shape_mpz_class_from_Double_Box_with_complexity
ppl_Octagonal_Shape_mpz_class_tag, 875
ppl_new_Octagonal_Shape_mpz_class_from_Float_Box
ppl_Octagonal_Shape_mpz_class_tag, 871
ppl_new_Octagonal_Shape_mpz_class_from_Float_Box_with_complexity
ppl_Octagonal_Shape_mpz_class_tag, 875
ppl_new_Octagonal_Shape_mpz_class_from_Generator_System
ppl_Octagonal_Shape_mpz_class_tag, 876
ppl_new_Octagonal_Shape_mpz_class_from_Grid
ppl_Octagonal_Shape_mpz_class_tag, 871
ppl_new_Octagonal_Shape_mpz_class_from_Grid_with_complexity
ppl_Octagonal_Shape_mpz_class_tag, 875
ppl_new_Octagonal_Shape_mpz_class_from_Int16_Box
ppl_Octagonal_Shape_mpz_class_tag, 868
ppl_new_Octagonal_Shape_mpz_class_from_Int16_Box_with_complexity
ppl_Octagonal_Shape_mpz_class_tag, 872
ppl_new_Octagonal_Shape_mpz_class_from_Int32_Box
ppl_Octagonal_Shape_mpz_class_tag, 868
ppl_new_Octagonal_Shape_mpz_class_from_Int32_Box_with_complexity
ppl_Octagonal_Shape_mpz_class_tag, 872
ppl_new_Octagonal_Shape_mpz_class_from_Int64_Box
ppl_Octagonal_Shape_mpz_class_tag, 868
ppl_new_Octagonal_Shape_mpz_class_from_Int64_Box_with_complexity
ppl_Octagonal_Shape_mpz_class_tag, 872
ppl_new_Octagonal_Shape_mpz_class_from_Int8_Box
ppl_Octagonal_Shape_mpz_class_tag, 868
ppl_new_Octagonal_Shape_mpz_class_from_Int8_Box_with_complexity
ppl_Octagonal_Shape_mpz_class_tag, 872
ppl_new_Octagonal_Shape_mpz_class_from_Long_Double_Box
ppl_Octagonal_Shape_mpz_class_tag, 871
ppl_new_Octagonal_Shape_mpz_class_from_Long_Double_Box_with_complexity
ppl_Octagonal_Shape_mpz_class_tag, 876
ppl_new_Octagonal_Shape_mpz_class_from_NNC_Polyhedron
ppl_Octagonal_Shape_mpz_class_tag, 870

ppl_new_Octagonal_Shape_mpz_class_from_-
NNC_Polyhedron_with_complexity
ppl_Octagonal_Shape_mpz_class_tag, 875
ppl_new_Octagonal_Shape_mpz_class_from_-
Octagonal_Shape_double
ppl_Octagonal_Shape_mpz_class_tag, 871
ppl_new_Octagonal_Shape_mpz_class_from_-
Octagonal_Shape_double_with_-
complexity
ppl_Octagonal_Shape_mpz_class_tag, 876
ppl_new_Octagonal_Shape_mpz_class_from_-
Octagonal_Shape_float
ppl_Octagonal_Shape_mpz_class_tag, 871
ppl_new_Octagonal_Shape_mpz_class_from_-
Octagonal_Shape_float_with_complexity
ppl_Octagonal_Shape_mpz_class_tag, 875
ppl_new_Octagonal_Shape_mpz_class_from_-
Octagonal_Shape_int16_t
ppl_Octagonal_Shape_mpz_class_tag, 870
ppl_new_Octagonal_Shape_mpz_class_from_-
Octagonal_Shape_int16_t_with_-
complexity
ppl_Octagonal_Shape_mpz_class_tag, 874
ppl_new_Octagonal_Shape_mpz_class_from_-
Octagonal_Shape_int32_t
ppl_Octagonal_Shape_mpz_class_tag, 870
ppl_new_Octagonal_Shape_mpz_class_from_-
Octagonal_Shape_int32_t_with_-
complexity
ppl_Octagonal_Shape_mpz_class_tag, 874
ppl_new_Octagonal_Shape_mpz_class_from_-
Octagonal_Shape_int64_t
ppl_Octagonal_Shape_mpz_class_tag, 870
ppl_new_Octagonal_Shape_mpz_class_from_-
Octagonal_Shape_int64_t_with_-
complexity
ppl_Octagonal_Shape_mpz_class_tag, 874
ppl_new_Octagonal_Shape_mpz_class_from_-
Octagonal_Shape_int8_t
ppl_Octagonal_Shape_mpz_class_tag, 870
ppl_new_Octagonal_Shape_mpz_class_from_-
Octagonal_Shape_int8_t_with_-
complexity
ppl_Octagonal_Shape_mpz_class_tag, 874
ppl_new_Octagonal_Shape_mpz_class_from_-
Octagonal_Shape_long_double
ppl_Octagonal_Shape_mpz_class_tag, 872
ppl_new_Octagonal_Shape_mpz_class_from_-
Octagonal_Shape_long_double_with_-
complexity
ppl_Octagonal_Shape_mpz_class_tag, 876
ppl_new_Octagonal_Shape_mpz_class_from_-
Octagonal_Shape_mpq_class
ppl_Octagonal_Shape_mpz_class_tag, 870
ppl_new_Octagonal_Shape_mpz_class_from_-
Octagonal_Shape_mpq_class_with_-
complexity
ppl_Octagonal_Shape_mpz_class_tag, 874
ppl_new_Octagonal_Shape_mpz_class_from_-
Octagonal_Shape_mpz_class
ppl_Octagonal_Shape_mpz_class_tag, 870
ppl_new_Octagonal_Shape_mpz_class_from_-
Octagonal_Shape_mpz_class_with_-
complexity
ppl_Octagonal_Shape_mpz_class_tag, 874
ppl_new_Octagonal_Shape_mpz_class_from_-
Rational_Box
ppl_Octagonal_Shape_mpz_class_tag, 869
ppl_new_Octagonal_Shape_mpz_class_from_-
Rational_Box_with_complexity
ppl_Octagonal_Shape_mpz_class_tag, 873
ppl_new_Octagonal_Shape_mpz_class_from_-
space_dimension
ppl_Octagonal_Shape_mpz_class_tag, 867
ppl_new_Octagonal_Shape_mpz_class_from_-
Uint16_Box
ppl_Octagonal_Shape_mpz_class_tag, 868
ppl_new_Octagonal_Shape_mpz_class_from_-
Uint16_Box_with_complexity
ppl_Octagonal_Shape_mpz_class_tag, 872
ppl_new_Octagonal_Shape_mpz_class_from_-
Uint32_Box
ppl_Octagonal_Shape_mpz_class_tag, 868
ppl_new_Octagonal_Shape_mpz_class_from_-
Uint32_Box_with_complexity
ppl_Octagonal_Shape_mpz_class_tag, 873
ppl_new_Octagonal_Shape_mpz_class_from_-
Uint64_Box
ppl_Octagonal_Shape_mpz_class_tag, 868
ppl_new_Octagonal_Shape_mpz_class_from_-
Uint64_Box_with_complexity
ppl_Octagonal_Shape_mpz_class_tag, 873
ppl_new_Octagonal_Shape_mpz_class_from_-
Uint8_Box
ppl_Octagonal_Shape_mpz_class_tag, 868
ppl_new_Octagonal_Shape_mpz_class_from_-
Uint8_Box_with_complexity
ppl_Octagonal_Shape_mpz_class_tag, 872
ppl_new_Octagonal_Shape_mpz_class_from_Z_-
Box
ppl_Octagonal_Shape_mpz_class_tag, 869
ppl_new_Octagonal_Shape_mpz_class_from_Z_-
Box_with_complexity
ppl_Octagonal_Shape_mpz_class_tag, 873
ppl_new_Octagonal_Shape_mpz_class_recycle_-
Congruence_System
ppl_Octagonal_Shape_mpz_class_tag, 886

ppl_new_Octagonal_Shape_mpz_class_recycle_-Constraint_System
ppl_Octagonal_Shape_mpz_class_tag, 886
ppl_new_Octagonal_Shape_mpz_class_recycle_-Generator_System
ppl_Octagonal_Shape_mpz_class_tag, 886
ppl_new_Pointset_Powerset_BD_Shape_double_-const_iterator
ppl_Pointset_Powerset_BD_Shape_double_-const_iterator_tag, 897
ppl_new_Pointset_Powerset_BD_Shape_double_-const_iterator_from_const_iterator
ppl_Pointset_Powerset_BD_Shape_double_-const_iterator_tag, 897
ppl_new_Pointset_Powerset_BD_Shape_double_-from_BD_Shape_double
ppl_Pointset_Powerset_BD_Shape_double_-tag, 905
ppl_new_Pointset_Powerset_BD_Shape_double_-from_BD_Shape_double_with_-complexity
ppl_Pointset_Powerset_BD_Shape_double_-tag, 905
ppl_new_Pointset_Powerset_BD_Shape_double_-from_Congruence_System
ppl_Pointset_Powerset_BD_Shape_double_-tag, 905
ppl_new_Pointset_Powerset_BD_Shape_double_-from_Constraint_System
ppl_Pointset_Powerset_BD_Shape_double_-tag, 905
ppl_new_Pointset_Powerset_BD_Shape_double_-from_Pointset_Powerset_BD_Shape_-double
ppl_Pointset_Powerset_BD_Shape_double_-tag, 904
ppl_new_Pointset_Powerset_BD_Shape_double_-from_space_dimension
ppl_Pointset_Powerset_BD_Shape_double_-tag, 904
ppl_new_Pointset_Powerset_BD_Shape_double_-iterator
ppl_Pointset_Powerset_BD_Shape_double_-iterator_tag, 899
ppl_new_Pointset_Powerset_BD_Shape_double_-iterator_from_iterator
ppl_Pointset_Powerset_BD_Shape_double_-iterator_tag, 899
ppl_new_Pointset_Powerset_BD_Shape_float_-const_iterator
ppl_Pointset_Powerset_BD_Shape_float_-const_iterator_tag, 916
ppl_new_Pointset_Powerset_BD_Shape_float_-const_iterator_from_const_iterator
ppl_Pointset_Powerset_BD_Shape_float_-const_iterator_tag, 916
ppl_new_Pointset_Powerset_BD_Shape_float_-from_BD_Shape_float
ppl_Pointset_Powerset_BD_Shape_float_tag, 923
ppl_new_Pointset_Powerset_BD_Shape_float_-from_BD_Shape_float_with_complexity
ppl_Pointset_Powerset_BD_Shape_float_tag, 923
ppl_new_Pointset_Powerset_BD_Shape_float_-from_Congruence_System
ppl_Pointset_Powerset_BD_Shape_float_tag, 924
ppl_new_Pointset_Powerset_BD_Shape_float_-from_Constraint_System
ppl_Pointset_Powerset_BD_Shape_float_tag, 923
ppl_new_Pointset_Powerset_BD_Shape_float_-from_Pointset_Powerset_BD_Shape_-float
ppl_Pointset_Powerset_BD_Shape_float_tag, 923
ppl_new_Pointset_Powerset_BD_Shape_float_-from_space_dimension
ppl_Pointset_Powerset_BD_Shape_float_tag, 923
ppl_new_Pointset_Powerset_BD_Shape_float_-iterator
ppl_Pointset_Powerset_BD_Shape_float_-iterator_tag, 918
ppl_new_Pointset_Powerset_BD_Shape_float_-iterator_from_iterator
ppl_Pointset_Powerset_BD_Shape_float_-iterator_tag, 918
ppl_new_Pointset_Powerset_BD_Shape_int16_t_-const_iterator
ppl_Pointset_Powerset_BD_Shape_int16_t_-const_iterator_tag, 934
ppl_new_Pointset_Powerset_BD_Shape_int16_t_-from_BD_Shape_int16_t
ppl_Pointset_Powerset_BD_Shape_int16_t_-tag, 942
ppl_new_Pointset_Powerset_BD_Shape_int16_t_-from_Congruence_System
ppl_Pointset_Powerset_BD_Shape_int16_t_-tag, 942
ppl_new_Pointset_Powerset_BD_Shape_int16_t_-from_Constraint_System
ppl_Pointset_Powerset_BD_Shape_int16_t_-tag, 942
ppl_new_Pointset_Powerset_BD_Shape_int16_t_-from_space_dimension
ppl_Pointset_Powerset_BD_Shape_int16_t_-

tag, 941
ppl_new_Pointset_Powerset_BD_Shape_int16_t_-iterator
ppl_Pointset_Powerset_BD_Shape_int16_t_-iterator_tag, 936
ppl_new_Pointset_Powerset_BD_Shape_int16_t_-iterator_from_iterator
ppl_Pointset_Powerset_BD_Shape_int16_t_-iterator_tag, 936
ppl_new_Pointset_Powerset_BD_Shape_int32_t_-const_iterator
ppl_Pointset_Powerset_BD_Shape_int32_t_-const_iterator_tag, 953
ppl_new_Pointset_Powerset_BD_Shape_int32_t_-from_BD_Shape_int32_t
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 960
ppl_new_Pointset_Powerset_BD_Shape_int32_t_-from_Congruence_System
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 961
ppl_new_Pointset_Powerset_BD_Shape_int32_t_-from_Constraint_System
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 960
ppl_new_Pointset_Powerset_BD_Shape_int32_t_-from_space_dimension
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 960
ppl_new_Pointset_Powerset_BD_Shape_int32_t_-iterator
ppl_Pointset_Powerset_BD_Shape_int32_t_-iterator_tag, 955
ppl_new_Pointset_Powerset_BD_Shape_int32_t_-iterator_from_iterator
ppl_Pointset_Powerset_BD_Shape_int32_t_-iterator_tag, 955
ppl_new_Pointset_Powerset_BD_Shape_int64_t_-const_iterator
ppl_Pointset_Powerset_BD_Shape_int64_t_-const_iterator_tag, 971
ppl_new_Pointset_Powerset_BD_Shape_int64_t_-from_BD_Shape_int64_t
ppl_Pointset_Powerset_BD_Shape_int64_t_-tag, 979
ppl_new_Pointset_Powerset_BD_Shape_int64_t_-from_Congruence_System
ppl_Pointset_Powerset_BD_Shape_int64_t_-tag, 979
ppl_new_Pointset_Powerset_BD_Shape_int64_t_-from_Constraint_System
ppl_Pointset_Powerset_BD_Shape_int64_t_-tag, 979
ppl_new_Pointset_Powerset_BD_Shape_int64_t_-from_space_dimension
ppl_Pointset_Powerset_BD_Shape_int64_t_-tag, 978
ppl_new_Pointset_Powerset_BD_Shape_int64_t_-iterator
ppl_Pointset_Powerset_BD_Shape_int64_t_-iterator_tag, 973
ppl_new_Pointset_Powerset_BD_Shape_int64_t_-iterator_from_iterator
ppl_Pointset_Powerset_BD_Shape_int64_t_-iterator_tag, 973
ppl_new_Pointset_Powerset_BD_Shape_int8_t_-const_iterator
ppl_Pointset_Powerset_BD_Shape_int8_t_-const_iterator_tag, 990
ppl_new_Pointset_Powerset_BD_Shape_int8_t_-from_BD_Shape_int8_t
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 997
ppl_new_Pointset_Powerset_BD_Shape_int8_t_-from_Congruence_System
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 998
ppl_new_Pointset_Powerset_BD_Shape_int8_t_-from_Constraint_System
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 997
ppl_new_Pointset_Powerset_BD_Shape_int8_t_-from_space_dimension
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 997
ppl_new_Pointset_Powerset_BD_Shape_int8_t_-iterator
ppl_Pointset_Powerset_BD_Shape_int8_t_-iterator_tag, 992
ppl_new_Pointset_Powerset_BD_Shape_int8_t_-iterator_from_iterator
ppl_Pointset_Powerset_BD_Shape_int8_t_-iterator_tag, 992
ppl_new_Pointset_Powerset_BD_Shape_long_-double_const_iterator
ppl_Pointset_Powerset_BD_Shape_long_-double_const_iterator_tag, 1008
ppl_new_Pointset_Powerset_BD_Shape_long_-double_from_BD_Shape_long_double
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1016
ppl_new_Pointset_Powerset_BD_Shape_long_-double_from_Congruence_System
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1016
ppl_new_Pointset_Powerset_BD_Shape_long_-double_from_Constraint_System

ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1016
ppl_new_Pointset_Powerset_BD_Shape_long_-double_from_space_dimension
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1015
ppl_new_Pointset_Powerset_BD_Shape_long_-double_iterator
ppl_Pointset_Powerset_BD_Shape_long_-double_iterator_tag, 1010
ppl_new_Pointset_Powerset_BD_Shape_long_-double_iterator_from_iterator
ppl_Pointset_Powerset_BD_Shape_long_-double_iterator_tag, 1010
ppl_new_Pointset_Powerset_BD_Shape_mpq_-class_const_iterator
ppl_Pointset_Powerset_BD_Shape_mpq_-class_const_iterator_tag, 1027
ppl_new_Pointset_Powerset_BD_Shape_mpq_-class_from_BD_Shape_mpq_class
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1035
ppl_new_Pointset_Powerset_BD_Shape_mpq_-class_from_Congruence_System
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1035
ppl_new_Pointset_Powerset_BD_Shape_mpq_-class_from_Constraint_System
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1035
ppl_new_Pointset_Powerset_BD_Shape_mpq_-class_from_space_dimension
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1034
ppl_new_Pointset_Powerset_BD_Shape_mpq_-class_iterator
ppl_Pointset_Powerset_BD_Shape_mpq_-class_iterator_tag, 1029
ppl_new_Pointset_Powerset_BD_Shape_mpq_-class_iterator_from_iterator
ppl_Pointset_Powerset_BD_Shape_mpq_-class_iterator_tag, 1029
ppl_new_Pointset_Powerset_BD_Shape_mpz_-class_const_iterator
ppl_Pointset_Powerset_BD_Shape_mpz_-class_const_iterator_tag, 1046
ppl_new_Pointset_Powerset_BD_Shape_mpz_-class_from_BD_Shape_mpz_class
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1053
ppl_new_Pointset_Powerset_BD_Shape_mpz_-class_from_Congruence_System
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1054
ppl_new_Pointset_Powerset_BD_Shape_mpz_-class_from_Constraint_System
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1054
ppl_new_Pointset_Powerset_BD_Shape_mpz_-class_from_space_dimension
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1053
ppl_new_Pointset_Powerset_BD_Shape_mpz_-class_iterator
ppl_Pointset_Powerset_BD_Shape_mpz_-class_iterator_tag, 1048
ppl_new_Pointset_Powerset_BD_Shape_mpz_-class_iterator_from_iterator
ppl_Pointset_Powerset_BD_Shape_mpz_-class_iterator_tag, 1048
ppl_new_Pointset_Powerset_C_Polyhedron_-const_iterator
ppl_Pointset_Powerset_C_Polyhedron_-const_iterator_tag, 1065
ppl_new_Pointset_Powerset_C_Polyhedron_-const_iterator_from_const_iterator
ppl_Pointset_Powerset_C_Polyhedron_-const_iterator_tag, 1065
ppl_new_Pointset_Powerset_C_Polyhedron_-from_C_Polyhedron
ppl_Pointset_Powerset_C_Polyhedron_tag, 1075
ppl_new_Pointset_Powerset_C_Polyhedron_-from_C_Polyhedron_with_complexity
ppl_Pointset_Powerset_C_Polyhedron_tag, 1075
ppl_new_Pointset_Powerset_C_Polyhedron_-from_Congruence_System
ppl_Pointset_Powerset_C_Polyhedron_tag, 1076
ppl_new_Pointset_Powerset_C_Polyhedron_-from_Constraint_System
ppl_Pointset_Powerset_C_Polyhedron_tag, 1075
ppl_new_Pointset_Powerset_C_Polyhedron_-from_Pointset_Powerset_C_Polyhedron
ppl_Pointset_Powerset_C_Polyhedron_tag, 1075
ppl_new_Pointset_Powerset_C_Polyhedron_-from_Pointset_Powerset_C_-Polyhedron_with_complexity
ppl_Pointset_Powerset_C_Polyhedron_tag, 1075
ppl_new_Pointset_Powerset_C_Polyhedron_-from_space_dimension
ppl_Pointset_Powerset_C_Polyhedron_tag, 1075
ppl_new_Pointset_Powerset_C_Polyhedron_-

iterator
ppl_Pointset_Powerset_C_Polyhedron_-iterator_tag, 1068
ppl_new_Pointset_Powerset_C_Polyhedron_-iterator_from_iterator
ppl_Pointset_Powerset_C_Polyhedron_-iterator_tag, 1068
ppl_new_Pointset_Powerset_Double_Box_const_-iterator
ppl_Pointset_Powerset_Double_Box_const_-iterator_tag, 1085
ppl_new_Pointset_Powerset_Double_Box_const_-iterator_from_const_iterator
ppl_Pointset_Powerset_Double_Box_const_-iterator_tag, 1085
ppl_new_Pointset_Powerset_Double_Box_from_-Congruence_System
ppl_Pointset_Powerset_Double_Box_tag, 1093
ppl_new_Pointset_Powerset_Double_Box_from_-Constraint_System
ppl_Pointset_Powerset_Double_Box_tag, 1093
ppl_new_Pointset_Powerset_Double_Box_from_-Double_Box
ppl_Pointset_Powerset_Double_Box_tag, 1092
ppl_new_Pointset_Powerset_Double_Box_from_-Double_Box_with_complexity
ppl_Pointset_Powerset_Double_Box_tag, 1092
ppl_new_Pointset_Powerset_Double_Box_from_-Pointset_Powerset_Double_Box
ppl_Pointset_Powerset_Double_Box_tag, 1092
ppl_new_Pointset_Powerset_Double_Box_from_-Pointset_Powerset_Double_Box_with_-complexity
ppl_Pointset_Powerset_Double_Box_tag, 1092
ppl_new_Pointset_Powerset_Double_Box_from_-space_dimension
ppl_Pointset_Powerset_Double_Box_tag, 1092
ppl_new_Pointset_Powerset_Double_Box_iterator
ppl_Pointset_Powerset_Double_Box_-iterator_tag, 1087
ppl_new_Pointset_Powerset_Double_Box_-iterator_from_iterator
ppl_Pointset_Powerset_Double_Box_-iterator_tag, 1087
ppl_new_Pointset_Powerset_Float_Box_const_-iterator
ppl_Pointset_Powerset_Float_Box_const_-iterator_tag, 1103
ppl_new_Pointset_Powerset_Float_Box_const_-iterator_from_const_iterator
ppl_Pointset_Powerset_Float_Box_const_-iterator_tag, 1103
ppl_new_Pointset_Powerset_Float_Box_from_-Congruence_System
ppl_Pointset_Powerset_Float_Box_tag, 1110
ppl_new_Pointset_Powerset_Float_Box_from_-Constraint_System
ppl_Pointset_Powerset_Float_Box_tag, 1110
ppl_new_Pointset_Powerset_Float_Box_from_-Float_Box
ppl_Pointset_Powerset_Float_Box_tag, 1109
ppl_new_Pointset_Powerset_Float_Box_from_-Float_Box_with_complexity
ppl_Pointset_Powerset_Float_Box_tag, 1110
ppl_new_Pointset_Powerset_Float_Box_from_-Pointset_Powerset_Float_Box
ppl_Pointset_Powerset_Float_Box_tag, 1109
ppl_new_Pointset_Powerset_Float_Box_from_-Pointset_Powerset_Float_Box_with_-complexity
ppl_Pointset_Powerset_Float_Box_tag, 1109
ppl_new_Pointset_Powerset_Float_Box_from_-space_dimension
ppl_Pointset_Powerset_Float_Box_tag, 1109
ppl_new_Pointset_Powerset_Float_Box_iterator
ppl_Pointset_Powerset_Float_Box_iterator_-tag, 1104
ppl_new_Pointset_Powerset_Float_Box_iterator_-from_iterator
ppl_Pointset_Powerset_Float_Box_iterator_-tag, 1104
ppl_new_Pointset_Powerset_Grid_const_iterator
ppl_Pointset_Powerset_Grid_const_iterator_-tag, 1120
ppl_new_Pointset_Powerset_Grid_const_iterator_-from_const_iterator
ppl_Pointset_Powerset_Grid_const_iterator_-tag, 1120
ppl_new_Pointset_Powerset_Grid_from_-Congruence_System
ppl_Pointset_Powerset_Grid_tag, 1127
ppl_new_Pointset_Powerset_Grid_from_-Constraint_System
ppl_Pointset_Powerset_Grid_tag, 1127
ppl_new_Pointset_Powerset_Grid_from_Grid
ppl_Pointset_Powerset_Grid_tag, 1126
ppl_new_Pointset_Powerset_Grid_from_Grid_-with_complexity
ppl_Pointset_Powerset_Grid_tag, 1126

ppl_new_Pointset_Powerset_Grid_from_Pointset_-
Powerset_Grid
ppl_Pointset_Powerset_Grid_tag, 1126
ppl_new_Pointset_Powerset_Grid_from_Pointset_-
Powerset_Grid_with_complexity
ppl_Pointset_Powerset_Grid_tag, 1126
ppl_new_Pointset_Powerset_Grid_from_space_-
dimension
ppl_Pointset_Powerset_Grid_tag, 1126
ppl_new_Pointset_Powerset_Grid_iterator
ppl_Pointset_Powerset_Grid_iterator_tag,
1121
ppl_new_Pointset_Powerset_Grid_iterator_from_-
iterator
ppl_Pointset_Powerset_Grid_iterator_tag,
1121
ppl_new_Pointset_Powerset_Int16_Box_const_-
iterator
ppl_Pointset_Powerset_Int16_Box_const_-
iterator_tag, 1137
ppl_new_Pointset_Powerset_Int16_Box_const_-
iterator_from_const_iterator
ppl_Pointset_Powerset_Int16_Box_const_-
iterator_tag, 1137
ppl_new_Pointset_Powerset_Int16_Box_from_-
Congruence_System
ppl_Pointset_Powerset_Int16_Box_tag, 1144
ppl_new_Pointset_Powerset_Int16_Box_from_-
Constraint_System
ppl_Pointset_Powerset_Int16_Box_tag, 1144
ppl_new_Pointset_Powerset_Int16_Box_from_-
Int16_Box
ppl_Pointset_Powerset_Int16_Box_tag, 1143
ppl_new_Pointset_Powerset_Int16_Box_from_-
Int16_Box_with_complexity
ppl_Pointset_Powerset_Int16_Box_tag, 1144
ppl_new_Pointset_Powerset_Int16_Box_from_-
Pointset_Powerset_Int16_Box
ppl_Pointset_Powerset_Int16_Box_tag, 1143
ppl_new_Pointset_Powerset_Int16_Box_from_-
Pointset_Powerset_Int16_Box_with_-
complexity
ppl_Pointset_Powerset_Int16_Box_tag, 1144
ppl_new_Pointset_Powerset_Int16_Box_from_-
space_dimension
ppl_Pointset_Powerset_Int16_Box_tag, 1143
ppl_new_Pointset_Powerset_Int16_Box_iterator
ppl_Pointset_Powerset_Int16_Box_iterator_-
tag, 1139
ppl_new_Pointset_Powerset_Int16_Box_iterator_-
from_iterator
ppl_Pointset_Powerset_Int16_Box_iterator_-
tag, 1139
ppl_new_Pointset_Powerset_Int32_Box_const_-
iterator
ppl_Pointset_Powerset_Int32_Box_const_-
iterator_tag, 1154
ppl_new_Pointset_Powerset_Int32_Box_const_-
iterator_from_const_iterator
ppl_Pointset_Powerset_Int32_Box_const_-
iterator_tag, 1154
ppl_new_Pointset_Powerset_Int32_Box_from_-
Congruence_System
ppl_Pointset_Powerset_Int32_Box_tag, 1161
ppl_new_Pointset_Powerset_Int32_Box_from_-
Constraint_System
ppl_Pointset_Powerset_Int32_Box_tag, 1161
ppl_new_Pointset_Powerset_Int32_Box_from_-
Int32_Box
ppl_Pointset_Powerset_Int32_Box_tag, 1161
ppl_new_Pointset_Powerset_Int32_Box_from_-
Int32_Box_with_complexity
ppl_Pointset_Powerset_Int32_Box_tag, 1161
ppl_new_Pointset_Powerset_Int32_Box_from_-
Pointset_Powerset_Int32_Box
ppl_Pointset_Powerset_Int32_Box_tag, 1161
ppl_new_Pointset_Powerset_Int32_Box_from_-
Pointset_Powerset_Int32_Box_with_-
complexity
ppl_Pointset_Powerset_Int32_Box_tag, 1161
ppl_new_Pointset_Powerset_Int32_Box_from_-
space_dimension
ppl_Pointset_Powerset_Int32_Box_tag, 1160
ppl_new_Pointset_Powerset_Int32_Box_iterator
ppl_Pointset_Powerset_Int32_Box_iterator_-
tag, 1156
ppl_new_Pointset_Powerset_Int32_Box_iterator_-
from_iterator
ppl_Pointset_Powerset_Int32_Box_iterator_-
tag, 1156
ppl_new_Pointset_Powerset_Int64_Box_const_-
iterator
ppl_Pointset_Powerset_Int64_Box_const_-
iterator_tag, 1171
ppl_new_Pointset_Powerset_Int64_Box_const_-
iterator_from_const_iterator
ppl_Pointset_Powerset_Int64_Box_const_-
iterator_tag, 1171
ppl_new_Pointset_Powerset_Int64_Box_from_-
Congruence_System
ppl_Pointset_Powerset_Int64_Box_tag, 1178
ppl_new_Pointset_Powerset_Int64_Box_from_-
Constraint_System
ppl_Pointset_Powerset_Int64_Box_tag, 1178
ppl_new_Pointset_Powerset_Int64_Box_from_-
Int64_Box
ppl_Pointset_Powerset_Int64_Box_tag, 1178

ppl_new_Pointset_Powerset_Int64_Box_from_-
Int64_Box_with_complexity
ppl_Pointset_Powerset_Int64_Box_tag, 1178
ppl_new_Pointset_Powerset_Int64_Box_from_-
Pointset_Powerset_Int64_Box
ppl_Pointset_Powerset_Int64_Box_tag, 1178
ppl_new_Pointset_Powerset_Int64_Box_from_-
Pointset_Powerset_Int64_Box_with_-
complexity
ppl_Pointset_Powerset_Int64_Box_tag, 1178
ppl_new_Pointset_Powerset_Int64_Box_from_-
space_dimension
ppl_Pointset_Powerset_Int64_Box_tag, 1177
ppl_new_Pointset_Powerset_Int64_Box_iterator
ppl_Pointset_Powerset_Int64_Box_iterator_-
tag, 1173
ppl_new_Pointset_Powerset_Int64_Box_iterator_-
from_iterator
ppl_Pointset_Powerset_Int64_Box_iterator_-
tag, 1173
ppl_new_Pointset_Powerset_Int8_Box_const_-
iterator
ppl_Pointset_Powerset_Int8_Box_const_-
iterator_tag, 1188
ppl_new_Pointset_Powerset_Int8_Box_const_-
iterator_from_const_iterator
ppl_Pointset_Powerset_Int8_Box_const_-
iterator_tag, 1188
ppl_new_Pointset_Powerset_Int8_Box_from_-
Congruence_System
ppl_Pointset_Powerset_Int8_Box_tag, 1195
ppl_new_Pointset_Powerset_Int8_Box_from_-
Constraint_System
ppl_Pointset_Powerset_Int8_Box_tag, 1195
ppl_new_Pointset_Powerset_Int8_Box_from_-
Int8_Box
ppl_Pointset_Powerset_Int8_Box_tag, 1194
ppl_new_Pointset_Powerset_Int8_Box_from_-
Int8_Box_with_complexity
ppl_Pointset_Powerset_Int8_Box_tag, 1195
ppl_new_Pointset_Powerset_Int8_Box_from_-
Pointset_Powerset_Int8_Box
ppl_Pointset_Powerset_Int8_Box_tag, 1194
ppl_new_Pointset_Powerset_Int8_Box_from_-
Pointset_Powerset_Int8_Box_with_-
complexity
ppl_Pointset_Powerset_Int8_Box_tag, 1195
ppl_new_Pointset_Powerset_Int8_Box_from_-
space_dimension
ppl_Pointset_Powerset_Int8_Box_tag, 1194
ppl_new_Pointset_Powerset_Int8_Box_iterator
ppl_Pointset_Powerset_Int8_Box_iterator_-
tag, 1190
ppl_new_Pointset_Powerset_Int8_Box_iterator_-
from_iterator
ppl_Pointset_Powerset_Int8_Box_iterator_-
tag, 1190
ppl_new_Pointset_Powerset_Long_Double_Box_-
const_iterator
ppl_Pointset_Powerset_Long_Double_Box_-
const_iterator_tag, 1205
ppl_new_Pointset_Powerset_Long_Double_Box_-
const_iterator_from_const_iterator
ppl_Pointset_Powerset_Long_Double_Box_-
const_iterator_tag, 1205
ppl_new_Pointset_Powerset_Long_Double_Box_-
from_Congruence_System
ppl_Pointset_Powerset_Long_Double_Box_-
tag, 1213
ppl_new_Pointset_Powerset_Long_Double_Box_-
from_Constraint_System
ppl_Pointset_Powerset_Long_Double_Box_-
tag, 1212
ppl_new_Pointset_Powerset_Long_Double_Box_-
from_Long_Double_Box
ppl_Pointset_Powerset_Long_Double_Box_-
tag, 1212
ppl_new_Pointset_Powerset_Long_Double_-
Box_from_Long_Double_Box_with_-
complexity
ppl_Pointset_Powerset_Long_Double_Box_-
tag, 1212
ppl_new_Pointset_Powerset_Long_Double_Box_-
from_Pointset_Powerset_Long_Double_-
Box
ppl_Pointset_Powerset_Long_Double_Box_-
tag, 1212
ppl_new_Pointset_Powerset_Long_Double_Box_-
from_space_dimension
ppl_Pointset_Powerset_Long_Double_Box_-
tag, 1212
ppl_new_Pointset_Powerset_Long_Double_Box_-
iterator
ppl_Pointset_Powerset_Long_Double_Box_-
iterator_tag, 1207
ppl_new_Pointset_Powerset_Long_Double_Box_-
iterator_from_iterator
ppl_Pointset_Powerset_Long_Double_Box_-
iterator_tag, 1207
ppl_new_Pointset_Powerset_NNC_Polyhedron_-
const_iterator
ppl_Pointset_Powerset_NNC_Polyhedron_-
const_iterator_tag, 1223
ppl_new_Pointset_Powerset_NNC_Polyhedron_-
const_iterator_from_const_iterator
ppl_Pointset_Powerset_NNC_Polyhedron_-
const_iterator_tag, 1223

ppl_new_Pointset_Powerset_NNC_Polyhedron_-
from_Congruence_System
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1230
ppl_new_Pointset_Powerset_NNC_Polyhedron_-
from_Constraint_System
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1230
ppl_new_Pointset_Powerset_NNC_Polyhedron_-
from_NNC_Polyhedron
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1230
ppl_new_Pointset_Powerset_NNC_Polyhedron_-
from_NNC_Polyhedron_with_-
complexity
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1230
ppl_new_Pointset_Powerset_NNC_Polyhedron_-
from_Pointset_Powerset_NNC_-
Polyhedron
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1230
ppl_new_Pointset_Powerset_NNC_Polyhedron_-
from_Pointset_Powerset_NNC_-
Polyhedron_with_complexity
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1230
ppl_new_Pointset_Powerset_NNC_Polyhedron_-
from_space_dimension
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1230
ppl_new_Pointset_Powerset_NNC_Polyhedron_-
iterator
ppl_Pointset_Powerset_NNC_Polyhedron_-
iterator_tag, 1224
ppl_new_Pointset_Powerset_NNC_Polyhedron_-
iterator_from_iterator
ppl_Pointset_Powerset_NNC_Polyhedron_-
iterator_tag, 1224
ppl_new_Pointset_Powerset_Octagonal_Shape_-
double_const_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-
double_const_iterator_tag, 1241
ppl_new_Pointset_Powerset_Octagonal_Shape_-
double_const_iterator_from_const_-
iterator
ppl_Pointset_Powerset_Octagonal_Shape_-
double_const_iterator_tag, 1241
ppl_new_Pointset_Powerset_Octagonal_Shape_-
double_from_Congruence_System
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1249
ppl_new_Pointset_Powerset_Octagonal_Shape_-
double_from_Constraint_System
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1249
ppl_new_Pointset_Powerset_Octagonal_Shape_-
double_from_Octagonal_Shape_double
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1248
ppl_new_Pointset_Powerset_Octagonal_Shape_-
double_from_Octagonal_Shape_-
double_with_complexity
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1249
ppl_new_Pointset_Powerset_Octagonal_Shape_-
double_from_Pointset_Powerset_-
Octagonal_Shape_double
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1248
ppl_new_Pointset_Powerset_Octagonal_Shape_-
double_from_space_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1248
ppl_new_Pointset_Powerset_Octagonal_Shape_-
double_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-
double_iterator_tag, 1243
ppl_new_Pointset_Powerset_Octagonal_Shape_-
double_iterator_from_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-
double_iterator_tag, 1243
ppl_new_Pointset_Powerset_Octagonal_Shape_-
float_const_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-
float_const_iterator_tag, 1259
ppl_new_Pointset_Powerset_Octagonal_Shape_-
float_const_iterator_from_const_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-
float_const_iterator_tag, 1259
ppl_new_Pointset_Powerset_Octagonal_Shape_-
float_from_Congruence_System
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1267
ppl_new_Pointset_Powerset_Octagonal_Shape_-
float_from_Constraint_System
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1267
ppl_new_Pointset_Powerset_Octagonal_Shape_-
float_from_Octagonal_Shape_float
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1267
ppl_new_Pointset_Powerset_Octagonal_Shape_-
float_from_Octagonal_Shape_float_-
with_complexity
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1267
ppl_new_Pointset_Powerset_Octagonal_Shape_-

float_from_Pointset_Powerset_-
Octagonal_Shape_float
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1267
ppl_new_Pointset_Powerset_Octagonal_Shape_-
float_from_space_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1266
ppl_new_Pointset_Powerset_Octagonal_Shape_-
float_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-
float_iterator_tag, 1261
ppl_new_Pointset_Powerset_Octagonal_Shape_-
float_iterator_from_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-
float_iterator_tag, 1261
ppl_new_Pointset_Powerset_Octagonal_Shape_-
int16_t_const_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-
int16_t_const_iterator_tag, 1278
ppl_new_Pointset_Powerset_Octagonal_Shape_-
int16_t_from_Congruence_System
ppl_Pointset_Powerset_Octagonal_Shape_-
int16_t_tag, 1286
ppl_new_Pointset_Powerset_Octagonal_Shape_-
int16_t_from_Constraint_System
ppl_Pointset_Powerset_Octagonal_Shape_-
int16_t_tag, 1286
ppl_new_Pointset_Powerset_Octagonal_Shape_-
int16_t_from_Octagonal_Shape_int16_t
ppl_Pointset_Powerset_Octagonal_Shape_-
int16_t_tag, 1285
ppl_new_Pointset_Powerset_Octagonal_Shape_-
int16_t_from_space_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-
int16_t_tag, 1285
ppl_new_Pointset_Powerset_Octagonal_Shape_-
int16_t_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-
int16_t_iterator_tag, 1280
ppl_new_Pointset_Powerset_Octagonal_Shape_-
int16_t_iterator_from_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-
int16_t_iterator_tag, 1280
ppl_new_Pointset_Powerset_Octagonal_Shape_-
int32_t_const_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_const_iterator_tag, 1296
ppl_new_Pointset_Powerset_Octagonal_Shape_-
int32_t_from_Congruence_System
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_tag, 1304
ppl_new_Pointset_Powerset_Octagonal_Shape_-
int32_t_from_Constraint_System
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_tag, 1304
ppl_new_Pointset_Powerset_Octagonal_Shape_-
int32_t_from_Octagonal_Shape_int32_t
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_tag, 1304
ppl_new_Pointset_Powerset_Octagonal_Shape_-
int32_t_from_space_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_tag, 1304
ppl_new_Pointset_Powerset_Octagonal_Shape_-
int32_t_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_iterator_tag, 1298
ppl_new_Pointset_Powerset_Octagonal_Shape_-
int32_t_iterator_from_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_iterator_tag, 1298
ppl_new_Pointset_Powerset_Octagonal_Shape_-
int64_t_const_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-
int64_t_const_iterator_tag, 1315
ppl_new_Pointset_Powerset_Octagonal_Shape_-
int64_t_from_Congruence_System
ppl_Pointset_Powerset_Octagonal_Shape_-
int64_t_tag, 1323
ppl_new_Pointset_Powerset_Octagonal_Shape_-
int64_t_from_Constraint_System
ppl_Pointset_Powerset_Octagonal_Shape_-
int64_t_tag, 1323
ppl_new_Pointset_Powerset_Octagonal_Shape_-
int64_t_from_Octagonal_Shape_int64_t
ppl_Pointset_Powerset_Octagonal_Shape_-
int64_t_tag, 1323
ppl_new_Pointset_Powerset_Octagonal_Shape_-
int64_t_from_space_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-
int64_t_tag, 1322
ppl_new_Pointset_Powerset_Octagonal_Shape_-
int64_t_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-
int64_t_iterator_tag, 1317
ppl_new_Pointset_Powerset_Octagonal_Shape_-
int64_t_iterator_from_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-
int64_t_iterator_tag, 1317
ppl_new_Pointset_Powerset_Octagonal_Shape_-
int8_t_const_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_const_iterator_tag, 1334
ppl_new_Pointset_Powerset_Octagonal_Shape_-
int8_t_from_Congruence_System
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_tag, 1342

ppl_new_Pointset_Powerset_Octagonal_Shape_-
int8_t_from_Constraint_System
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_tag, 1342
ppl_new_Pointset_Powerset_Octagonal_Shape_-
int8_t_from_Octagonal_Shape_int8_t
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_tag, 1341
ppl_new_Pointset_Powerset_Octagonal_Shape_-
int8_t_from_space_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_tag, 1341
ppl_new_Pointset_Powerset_Octagonal_Shape_-
int8_t_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_iterator_tag, 1336
ppl_new_Pointset_Powerset_Octagonal_Shape_-
int8_t_iterator_from_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_iterator_tag, 1336
ppl_new_Pointset_Powerset_Octagonal_Shape_-
long_double_const_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_const_iterator_tag, 1352
ppl_new_Pointset_Powerset_Octagonal_Shape_-
long_double_from_Congruence_System
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_tag, 1361
ppl_new_Pointset_Powerset_Octagonal_Shape_-
long_double_from_Constraint_System
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_tag, 1361
ppl_new_Pointset_Powerset_Octagonal_Shape_-
long_double_from_Octagonal_Shape_-
long_double
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_tag, 1360
ppl_new_Pointset_Powerset_Octagonal_Shape_-
long_double_from_space_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_tag, 1360
ppl_new_Pointset_Powerset_Octagonal_Shape_-
long_double_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_iterator_tag, 1355
ppl_new_Pointset_Powerset_Octagonal_Shape_-
long_double_iterator_from_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_iterator_tag, 1355
ppl_new_Pointset_Powerset_Octagonal_Shape_-
mpq_class_const_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_const_iterator_tag, 1372
ppl_new_Pointset_Powerset_Octagonal_Shape_-
mpq_class_from_Congruence_System
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_tag, 1380
ppl_new_Pointset_Powerset_Octagonal_Shape_-
mpq_class_from_Constraint_System
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_tag, 1380
ppl_new_Pointset_Powerset_Octagonal_Shape_-
mpq_class_from_Octagonal_Shape_-
mpq_class
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_tag, 1379
ppl_new_Pointset_Powerset_Octagonal_Shape_-
mpq_class_from_space_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_tag, 1379
ppl_new_Pointset_Powerset_Octagonal_Shape_-
mpq_class_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_iterator_tag, 1374
ppl_new_Pointset_Powerset_Octagonal_Shape_-
mpq_class_iterator_from_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_iterator_tag, 1374
ppl_new_Pointset_Powerset_Octagonal_Shape_-
mpz_class_const_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_const_iterator_tag, 1391
ppl_new_Pointset_Powerset_Octagonal_Shape_-
mpz_class_from_Congruence_System
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_tag, 1399
ppl_new_Pointset_Powerset_Octagonal_Shape_-
mpz_class_from_Constraint_System
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_tag, 1399
ppl_new_Pointset_Powerset_Octagonal_Shape_-
mpz_class_from_Octagonal_Shape_-
mpz_class
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_tag, 1398
ppl_new_Pointset_Powerset_Octagonal_Shape_-
mpz_class_from_space_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_tag, 1398
ppl_new_Pointset_Powerset_Octagonal_Shape_-
mpz_class_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_iterator_tag, 1393
ppl_new_Pointset_Powerset_Octagonal_Shape_-
mpz_class_iterator_from_iterator
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_iterator_tag, 1393
ppl_new_Pointset_Powerset_Rational_Box_-

const_iterator
ppl_Pointset_Powerset_Rational_Box_const_-iterator_tag, 1410
ppl_new_Pointset_Powerset_Rational_Box_-const_iterator_from_const_iterator
ppl_Pointset_Powerset_Rational_Box_const_-iterator_tag, 1410
ppl_new_Pointset_Powerset_Rational_Box_from_-Congruence_System
ppl_Pointset_Powerset_Rational_Box_tag, 1417
ppl_new_Pointset_Powerset_Rational_Box_from_-Constraint_System
ppl_Pointset_Powerset_Rational_Box_tag, 1417
ppl_new_Pointset_Powerset_Rational_Box_from_-Pointset_Powerset_Rational_Box
ppl_Pointset_Powerset_Rational_Box_tag, 1416
ppl_new_Pointset_Powerset_Rational_Box_from_-Pointset_Powerset_Rational_Box_with_-complexity
ppl_Pointset_Powerset_Rational_Box_tag, 1417
ppl_new_Pointset_Powerset_Rational_Box_from_-Rational_Box
ppl_Pointset_Powerset_Rational_Box_tag, 1417
ppl_new_Pointset_Powerset_Rational_Box_from_-Rational_Box_with_complexity
ppl_Pointset_Powerset_Rational_Box_tag, 1417
ppl_new_Pointset_Powerset_Rational_Box_from_-space_dimension
ppl_Pointset_Powerset_Rational_Box_tag, 1416
ppl_new_Pointset_Powerset_Rational_Box_iterator
ppl_Pointset_Powerset_Rational_Box_-iterator_tag, 1411
ppl_new_Pointset_Powerset_Rational_Box_-iterator_from_iterator
ppl_Pointset_Powerset_Rational_Box_-iterator_tag, 1411
ppl_new_Pointset_Powerset_Uint16_Box_const_-iterator
ppl_Pointset_Powerset_Uint16_Box_const_-iterator_tag, 1427
ppl_new_Pointset_Powerset_Uint16_Box_const_-iterator_from_const_iterator
ppl_Pointset_Powerset_Uint16_Box_const_-iterator_tag, 1427
ppl_new_Pointset_Powerset_Uint16_Box_from_-Congruence_System
ppl_Pointset_Powerset_Uint16_Box_tag, 1435
ppl_new_Pointset_Powerset_Uint16_Box_from_-Constraint_System
ppl_Pointset_Powerset_Uint16_Box_tag, 1435
ppl_new_Pointset_Powerset_Uint16_Box_from_-Pointset_Powerset_Uint16_Box
ppl_Pointset_Powerset_Uint16_Box_tag, 1434
ppl_new_Pointset_Powerset_Uint16_Box_from_-Pointset_Powerset_Uint16_Box_with_-complexity
ppl_Pointset_Powerset_Uint16_Box_tag, 1434
ppl_new_Pointset_Powerset_Uint16_Box_from_-space_dimension
ppl_Pointset_Powerset_Uint16_Box_tag, 1434
ppl_new_Pointset_Powerset_Uint16_Box_from_-Uint16_Box
ppl_Pointset_Powerset_Uint16_Box_tag, 1434
ppl_new_Pointset_Powerset_Uint16_Box_from_-Uint16_Box_with_complexity
ppl_Pointset_Powerset_Uint16_Box_tag, 1434
ppl_new_Pointset_Powerset_Uint16_Box_iterator
ppl_Pointset_Powerset_Uint16_Box_-iterator_tag, 1429
ppl_new_Pointset_Powerset_Uint16_Box_-iterator_from_iterator
ppl_Pointset_Powerset_Uint16_Box_-iterator_tag, 1429
ppl_new_Pointset_Powerset_Uint32_Box_const_-iterator
ppl_Pointset_Powerset_Uint32_Box_const_-iterator_tag, 1445
ppl_new_Pointset_Powerset_Uint32_Box_const_-iterator_from_const_iterator
ppl_Pointset_Powerset_Uint32_Box_const_-iterator_tag, 1445
ppl_new_Pointset_Powerset_Uint32_Box_from_-Congruence_System
ppl_Pointset_Powerset_Uint32_Box_tag, 1452
ppl_new_Pointset_Powerset_Uint32_Box_from_-Constraint_System
ppl_Pointset_Powerset_Uint32_Box_tag, 1452
ppl_new_Pointset_Powerset_Uint32_Box_from_-Pointset_Powerset_Uint32_Box
ppl_Pointset_Powerset_Uint32_Box_tag, 1452
ppl_new_Pointset_Powerset_Uint32_Box_from_-

Pointset_Powerset_Uint32_Box_with_-complexity
ppl_Pointset_Powerset_Uint32_Box_tag, 1452
ppl_new_Pointset_Powerset_Uint32_Box_from_-space_dimension
ppl_Pointset_Powerset_Uint32_Box_tag, 1451
ppl_new_Pointset_Powerset_Uint32_Box_from_-Uint32_Box
ppl_Pointset_Powerset_Uint32_Box_tag, 1452
ppl_new_Pointset_Powerset_Uint32_Box_from_-Uint32_Box_with_complexity
ppl_Pointset_Powerset_Uint32_Box_tag, 1452
ppl_new_Pointset_Powerset_Uint32_Box_iterator
ppl_Pointset_Powerset_Uint32_Box_-iterator_tag, 1447
ppl_new_Pointset_Powerset_Uint32_Box_-iterator_from_iterator
ppl_Pointset_Powerset_Uint32_Box_-iterator_tag, 1447
ppl_new_Pointset_Powerset_Uint64_Box_const_-iterator
ppl_Pointset_Powerset_Uint64_Box_const_-iterator_tag, 1462
ppl_new_Pointset_Powerset_Uint64_Box_const_-iterator_from_const_iterator
ppl_Pointset_Powerset_Uint64_Box_const_-iterator_tag, 1462
ppl_new_Pointset_Powerset_Uint64_Box_from_-Congruence_System
ppl_Pointset_Powerset_Uint64_Box_tag, 1469
ppl_new_Pointset_Powerset_Uint64_Box_from_-Constraint_System
ppl_Pointset_Powerset_Uint64_Box_tag, 1469
ppl_new_Pointset_Powerset_Uint64_Box_from_-Pointset_Powerset_Uint64_Box
ppl_Pointset_Powerset_Uint64_Box_tag, 1469
ppl_new_Pointset_Powerset_Uint64_Box_from_-Pointset_Powerset_Uint64_Box_with_-complexity
ppl_Pointset_Powerset_Uint64_Box_tag, 1469
ppl_new_Pointset_Powerset_Uint64_Box_from_-space_dimension
ppl_Pointset_Powerset_Uint64_Box_tag, 1469
ppl_new_Pointset_Powerset_Uint64_Box_from_-Uint64_Box
ppl_Pointset_Powerset_Uint64_Box_tag, 1469
ppl_new_Pointset_Powerset_Uint64_Box_from_-Uint64_Box_with_complexity
ppl_Pointset_Powerset_Uint64_Box_tag, 1469
ppl_new_Pointset_Powerset_Uint64_Box_iterator
ppl_Pointset_Powerset_Uint64_Box_-iterator_tag, 1464
ppl_new_Pointset_Powerset_Uint64_Box_-iterator_from_iterator
ppl_Pointset_Powerset_Uint64_Box_-iterator_tag, 1464
ppl_new_Pointset_Powerset_Uint8_Box_const_-iterator
ppl_Pointset_Powerset_Uint8_Box_const_-iterator_tag, 1479
ppl_new_Pointset_Powerset_Uint8_Box_const_-iterator_from_const_iterator
ppl_Pointset_Powerset_Uint8_Box_const_-iterator_tag, 1479
ppl_new_Pointset_Powerset_Uint8_Box_from_-Congruence_System
ppl_Pointset_Powerset_Uint8_Box_tag, 1487
ppl_new_Pointset_Powerset_Uint8_Box_from_-Constraint_System
ppl_Pointset_Powerset_Uint8_Box_tag, 1486
ppl_new_Pointset_Powerset_Uint8_Box_from_-Pointset_Powerset_Uint8_Box
ppl_Pointset_Powerset_Uint8_Box_tag, 1486
ppl_new_Pointset_Powerset_Uint8_Box_from_-Pointset_Powerset_Uint8_Box_with_-complexity
ppl_Pointset_Powerset_Uint8_Box_tag, 1486
ppl_new_Pointset_Powerset_Uint8_Box_from_-space_dimension
ppl_Pointset_Powerset_Uint8_Box_tag, 1486
ppl_new_Pointset_Powerset_Uint8_Box_from_-Uint8_Box
ppl_Pointset_Powerset_Uint8_Box_tag, 1486
ppl_new_Pointset_Powerset_Uint8_Box_from_-Uint8_Box_with_complexity
ppl_Pointset_Powerset_Uint8_Box_tag, 1486
ppl_new_Pointset_Powerset_Uint8_Box_iterator
ppl_Pointset_Powerset_Uint8_Box_iterator_-tag, 1481
ppl_new_Pointset_Powerset_Uint8_Box_iterator_-from_iterator
ppl_Pointset_Powerset_Uint8_Box_iterator_-tag, 1481
ppl_new_Pointset_Powerset_Z_Box_const_iterator
ppl_Pointset_Powerset_Z_Box_const_-iterator_tag, 1497

ppl_new_Pointset_Powerset_Z_Box_const_-
iterator_from_const_iterator
ppl_Pointset_Powerset_Z_Box_const_-
iterator_tag, 1497
ppl_new_Pointset_Powerset_Z_Box_from_-
Congruence_System
ppl_Pointset_Powerset_Z_Box_tag, 1504
ppl_new_Pointset_Powerset_Z_Box_from_-
Constraint_System
ppl_Pointset_Powerset_Z_Box_tag, 1504
ppl_new_Pointset_Powerset_Z_Box_from_-
Pointset_Powerset_Z_Box
ppl_Pointset_Powerset_Z_Box_tag, 1503
ppl_new_Pointset_Powerset_Z_Box_from_-
Pointset_Powerset_Z_Box_with_-
complexity
ppl_Pointset_Powerset_Z_Box_tag, 1503
ppl_new_Pointset_Powerset_Z_Box_from_space_-
dimension
ppl_Pointset_Powerset_Z_Box_tag, 1503
ppl_new_Pointset_Powerset_Z_Box_from_Z_Box
ppl_Pointset_Powerset_Z_Box_tag, 1503
ppl_new_Pointset_Powerset_Z_Box_from_Z_-
Box_with_complexity
ppl_Pointset_Powerset_Z_Box_tag, 1503
ppl_new_Pointset_Powerset_Z_Box_iterator
ppl_Pointset_Powerset_Z_Box_iterator_tag,
1498
ppl_new_Pointset_Powerset_Z_Box_iterator_-
from_iterator
ppl_Pointset_Powerset_Z_Box_iterator_tag,
1498
ppl_new_Rational_Box_from_BD_Shape_double
ppl_Rational_Box_tag, 1577
ppl_new_Rational_Box_from_BD_Shape_-
double_with_complexity
ppl_Rational_Box_tag, 1581
ppl_new_Rational_Box_from_BD_Shape_float
ppl_Rational_Box_tag, 1577
ppl_new_Rational_Box_from_BD_Shape_float_-
with_complexity
ppl_Rational_Box_tag, 1581
ppl_new_Rational_Box_from_BD_Shape_int16_t
ppl_Rational_Box_tag, 1575
ppl_new_Rational_Box_from_BD_Shape_int16_-
t_with_complexity
ppl_Rational_Box_tag, 1579
ppl_new_Rational_Box_from_BD_Shape_int32_t
ppl_Rational_Box_tag, 1575
ppl_new_Rational_Box_from_BD_Shape_int32_-
t_with_complexity
ppl_Rational_Box_tag, 1579
ppl_new_Rational_Box_from_BD_Shape_int64_t
ppl_Rational_Box_tag, 1575
ppl_new_Rational_Box_from_BD_Shape_int64_-
t_with_complexity
ppl_Rational_Box_tag, 1579
ppl_new_Rational_Box_from_BD_Shape_int8_t
ppl_Rational_Box_tag, 1575
ppl_new_Rational_Box_from_BD_Shape_int8_t_-
with_complexity
ppl_Rational_Box_tag, 1579
ppl_new_Rational_Box_from_BD_Shape_long_-
double
ppl_Rational_Box_tag, 1578
ppl_new_Rational_Box_from_BD_Shape_long_-
double_with_complexity
ppl_Rational_Box_tag, 1582
ppl_new_Rational_Box_from_BD_Shape_mpq_-
class
ppl_Rational_Box_tag, 1576
ppl_new_Rational_Box_from_BD_Shape_mpq_-
class_with_complexity
ppl_Rational_Box_tag, 1580
ppl_new_Rational_Box_from_BD_Shape_mpz_-
class
ppl_Rational_Box_tag, 1576
ppl_new_Rational_Box_from_BD_Shape_mpz_-
class_with_complexity
ppl_Rational_Box_tag, 1579
ppl_new_Rational_Box_from_C_Polyhedron
ppl_Rational_Box_tag, 1576
ppl_new_Rational_Box_from_C_Polyhedron_-
with_complexity
ppl_Rational_Box_tag, 1580
ppl_new_Rational_Box_from_Congruence_System
ppl_Rational_Box_tag, 1582
ppl_new_Rational_Box_from_Constraint_System
ppl_Rational_Box_tag, 1582
ppl_new_Rational_Box_from_Double_Box
ppl_Rational_Box_tag, 1577
ppl_new_Rational_Box_from_Double_Box_with_-
complexity
ppl_Rational_Box_tag, 1581
ppl_new_Rational_Box_from_Float_Box
ppl_Rational_Box_tag, 1577
ppl_new_Rational_Box_from_Float_Box_with_-
complexity
ppl_Rational_Box_tag, 1581
ppl_new_Rational_Box_from_Generator_System
ppl_Rational_Box_tag, 1582
ppl_new_Rational_Box_from_Grid
ppl_Rational_Box_tag, 1577
ppl_new_Rational_Box_from_Grid_with_-
complexity
ppl_Rational_Box_tag, 1581
ppl_new_Rational_Box_from_Int16_Box
ppl_Rational_Box_tag, 1574

ppl_new_Rational_Box_from_Int16_Box_with_-complexity
ppl_Rational_Box_tag, 1578
ppl_new_Rational_Box_from_Int32_Box
ppl_Rational_Box_tag, 1574
ppl_new_Rational_Box_from_Int32_Box_with_-complexity
ppl_Rational_Box_tag, 1578
ppl_new_Rational_Box_from_Int64_Box
ppl_Rational_Box_tag, 1574
ppl_new_Rational_Box_from_Int64_Box_with_-complexity
ppl_Rational_Box_tag, 1578
ppl_new_Rational_Box_from_Int8_Box
ppl_Rational_Box_tag, 1574
ppl_new_Rational_Box_from_Int8_Box_with_-complexity
ppl_Rational_Box_tag, 1578
ppl_new_Rational_Box_from_Long_Double_Box
ppl_Rational_Box_tag, 1577
ppl_new_Rational_Box_from_Long_Double_-Box_with_complexity
ppl_Rational_Box_tag, 1581
ppl_new_Rational_Box_from_NNC_Polyhedron
ppl_Rational_Box_tag, 1577
ppl_new_Rational_Box_from_NNC_Polyhedron_-with_complexity
ppl_Rational_Box_tag, 1581
ppl_new_Rational_Box_from_Octagonal_Shape_-double
ppl_Rational_Box_tag, 1577
ppl_new_Rational_Box_from_Octagonal_Shape_-double_with_complexity
ppl_Rational_Box_tag, 1581
ppl_new_Rational_Box_from_Octagonal_Shape_-float
ppl_Rational_Box_tag, 1577
ppl_new_Rational_Box_from_Octagonal_Shape_-float_with_complexity
ppl_Rational_Box_tag, 1581
ppl_new_Rational_Box_from_Octagonal_Shape_-int16_t
ppl_Rational_Box_tag, 1576
ppl_new_Rational_Box_from_Octagonal_Shape_-int16_t_with_complexity
ppl_Rational_Box_tag, 1580
ppl_new_Rational_Box_from_Octagonal_Shape_-int32_t
ppl_Rational_Box_tag, 1576
ppl_new_Rational_Box_from_Octagonal_Shape_-int32_t_with_complexity
ppl_Rational_Box_tag, 1580
ppl_new_Rational_Box_from_Octagonal_Shape_-int64_t
ppl_Rational_Box_tag, 1576
ppl_new_Rational_Box_from_Octagonal_Shape_-int64_t_with_complexity
ppl_Rational_Box_tag, 1580
ppl_new_Rational_Box_from_Octagonal_Shape_-int8_t
ppl_Rational_Box_tag, 1576
ppl_new_Rational_Box_from_Octagonal_Shape_-int8_t_with_complexity
ppl_Rational_Box_tag, 1580
ppl_new_Rational_Box_from_Octagonal_Shape_-long_double
ppl_Rational_Box_tag, 1578
ppl_new_Rational_Box_from_Octagonal_Shape_-long_double_with_complexity
ppl_Rational_Box_tag, 1582
ppl_new_Rational_Box_from_Octagonal_Shape_-mpq_class
ppl_Rational_Box_tag, 1576
ppl_new_Rational_Box_from_Octagonal_Shape_-mpq_class_with_complexity
ppl_Rational_Box_tag, 1580
ppl_new_Rational_Box_from_Octagonal_Shape_-mpz_class
ppl_Rational_Box_tag, 1576
ppl_new_Rational_Box_from_Octagonal_Shape_-mpz_class_with_complexity
ppl_Rational_Box_tag, 1580
ppl_new_Rational_Box_from_Rational_Box
ppl_Rational_Box_tag, 1575
ppl_new_Rational_Box_from_Rational_Box_-with_complexity
ppl_Rational_Box_tag, 1579
ppl_new_Rational_Box_from_space_dimension
ppl_Rational_Box_tag, 1574
ppl_new_Rational_Box_from_Uint16_Box
ppl_Rational_Box_tag, 1575
ppl_new_Rational_Box_from_Uint16_Box_with_-complexity
ppl_Rational_Box_tag, 1578
ppl_new_Rational_Box_from_Uint32_Box
ppl_Rational_Box_tag, 1575
ppl_new_Rational_Box_from_Uint32_Box_with_-complexity
ppl_Rational_Box_tag, 1578
ppl_new_Rational_Box_from_Uint64_Box
ppl_Rational_Box_tag, 1575
ppl_new_Rational_Box_from_Uint64_Box_with_-complexity
ppl_Rational_Box_tag, 1579
ppl_new_Rational_Box_from_Uint8_Box
ppl_Rational_Box_tag, 1574
ppl_new_Rational_Box_from_Uint8_Box_with_-complexity

ppl_Rational_Box_tag, 1578
ppl_new_Rational_Box_from_Z_Box
ppl_Rational_Box_tag, 1575
ppl_new_Rational_Box_from_Z_Box_with_-complexity
ppl_Rational_Box_tag, 1579
ppl_new_Rational_Box_recycle_Congruence_-System
ppl_Rational_Box_tag, 1590
ppl_new_Rational_Box_recycle_Constraint_-System
ppl_Rational_Box_tag, 1590
ppl_new_Rational_Box_recycle_Generator_-System
ppl_Rational_Box_tag, 1591
ppl_new_Uint16_Box_from_BD_Shape_double
ppl_Uint16_Box_tag, 1603
ppl_new_Uint16_Box_from_BD_Shape_double_-with_complexity
ppl_Uint16_Box_tag, 1606
ppl_new_Uint16_Box_from_BD_Shape_float
ppl_Uint16_Box_tag, 1602
ppl_new_Uint16_Box_from_BD_Shape_float_-with_complexity
ppl_Uint16_Box_tag, 1606
ppl_new_Uint16_Box_from_BD_Shape_int16_t
ppl_Uint16_Box_tag, 1601
ppl_new_Uint16_Box_from_BD_Shape_int16_t_-with_complexity
ppl_Uint16_Box_tag, 1604
ppl_new_Uint16_Box_from_BD_Shape_int32_t
ppl_Uint16_Box_tag, 1601
ppl_new_Uint16_Box_from_BD_Shape_int32_t_-with_complexity
ppl_Uint16_Box_tag, 1604
ppl_new_Uint16_Box_from_BD_Shape_int64_t
ppl_Uint16_Box_tag, 1601
ppl_new_Uint16_Box_from_BD_Shape_int64_t_-with_complexity
ppl_Uint16_Box_tag, 1605
ppl_new_Uint16_Box_from_BD_Shape_int8_t
ppl_Uint16_Box_tag, 1600
ppl_new_Uint16_Box_from_BD_Shape_int8_t_-with_complexity
ppl_Uint16_Box_tag, 1604
ppl_new_Uint16_Box_from_BD_Shape_long_-double
ppl_Uint16_Box_tag, 1603
ppl_new_Uint16_Box_from_BD_Shape_long_-double_with_complexity
ppl_Uint16_Box_tag, 1607
ppl_new_Uint16_Box_from_BD_Shape_mpq_-class
ppl_Uint16_Box_tag, 1601
ppl_new_Uint16_Box_from_BD_Shape_mpq_-class_with_complexity
ppl_Uint16_Box_tag, 1605
ppl_new_Uint16_Box_from_BD_Shape_mpz_-class
ppl_Uint16_Box_tag, 1601
ppl_new_Uint16_Box_from_BD_Shape_mpz_-class_with_complexity
ppl_Uint16_Box_tag, 1605
ppl_new_Uint16_Box_from_C_Polyhedron
ppl_Uint16_Box_tag, 1602
ppl_new_Uint16_Box_from_C_Polyhedron_with_-complexity
ppl_Uint16_Box_tag, 1606
ppl_new_Uint16_Box_from_Congruence_System
ppl_Uint16_Box_tag, 1607
ppl_new_Uint16_Box_from_Constraint_System
ppl_Uint16_Box_tag, 1607
ppl_new_Uint16_Box_from_Double_Box
ppl_Uint16_Box_tag, 1602
ppl_new_Uint16_Box_from_Double_Box_with_-complexity
ppl_Uint16_Box_tag, 1606
ppl_new_Uint16_Box_from_Float_Box
ppl_Uint16_Box_tag, 1602
ppl_new_Uint16_Box_from_Float_Box_with_-complexity
ppl_Uint16_Box_tag, 1606
ppl_new_Uint16_Box_from_Generator_System
ppl_Uint16_Box_tag, 1607
ppl_new_Uint16_Box_from_Grid
ppl_Uint16_Box_tag, 1602
ppl_new_Uint16_Box_from_Grid_with_-complexity
ppl_Uint16_Box_tag, 1606
ppl_new_Uint16_Box_from_Int16_Box
ppl_Uint16_Box_tag, 1599
ppl_new_Uint16_Box_from_Int16_Box_with_-complexity
ppl_Uint16_Box_tag, 1603
ppl_new_Uint16_Box_from_Int32_Box
ppl_Uint16_Box_tag, 1600
ppl_new_Uint16_Box_from_Int32_Box_with_-complexity
ppl_Uint16_Box_tag, 1603
ppl_new_Uint16_Box_from_Int64_Box
ppl_Uint16_Box_tag, 1600
ppl_new_Uint16_Box_from_Int64_Box_with_-complexity
ppl_Uint16_Box_tag, 1603
ppl_new_Uint16_Box_from_Int8_Box
ppl_Uint16_Box_tag, 1599
ppl_new_Uint16_Box_from_Int8_Box_with_-complexity

ppl_Uint16_Box_tag, 1603
ppl_new_Uint16_Box_from_Long_Double_Box
ppl_Uint16_Box_tag, 1603
ppl_new_Uint16_Box_from_Long_Double_Box_-with_complexity
ppl_Uint16_Box_tag, 1607
ppl_new_Uint16_Box_from_NNC_Polyhedron
ppl_Uint16_Box_tag, 1602
ppl_new_Uint16_Box_from_NNC_Polyhedron_-with_complexity
ppl_Uint16_Box_tag, 1606
ppl_new_Uint16_Box_from_Octagonal_Shape_-double
ppl_Uint16_Box_tag, 1603
ppl_new_Uint16_Box_from_Octagonal_Shape_-double_with_complexity
ppl_Uint16_Box_tag, 1607
ppl_new_Uint16_Box_from_Octagonal_Shape_-float
ppl_Uint16_Box_tag, 1602
ppl_new_Uint16_Box_from_Octagonal_Shape_-float_with_complexity
ppl_Uint16_Box_tag, 1606
ppl_new_Uint16_Box_from_Octagonal_Shape_-int16_t
ppl_Uint16_Box_tag, 1601
ppl_new_Uint16_Box_from_Octagonal_Shape_-int16_t_with_complexity
ppl_Uint16_Box_tag, 1605
ppl_new_Uint16_Box_from_Octagonal_Shape_-int32_t
ppl_Uint16_Box_tag, 1601
ppl_new_Uint16_Box_from_Octagonal_Shape_-int32_t_with_complexity
ppl_Uint16_Box_tag, 1605
ppl_new_Uint16_Box_from_Octagonal_Shape_-int64_t
ppl_Uint16_Box_tag, 1601
ppl_new_Uint16_Box_from_Octagonal_Shape_-int64_t_with_complexity
ppl_Uint16_Box_tag, 1605
ppl_new_Uint16_Box_from_Octagonal_Shape_-int8_t
ppl_Uint16_Box_tag, 1601
ppl_new_Uint16_Box_from_Octagonal_Shape_-int8_t_with_complexity
ppl_Uint16_Box_tag, 1605
ppl_new_Uint16_Box_from_Octagonal_Shape_-long_double
ppl_Uint16_Box_tag, 1603
ppl_new_Uint16_Box_from_Octagonal_Shape_-long_double_with_complexity
ppl_Uint16_Box_tag, 1607
ppl_new_Uint16_Box_from_Octagonal_Shape_-mpq_class
ppl_Uint16_Box_tag, 1602
ppl_new_Uint16_Box_from_Octagonal_Shape_-mpq_class_with_complexity
ppl_Uint16_Box_tag, 1606
ppl_new_Uint16_Box_from_Octagonal_Shape_-mpz_class
ppl_Uint16_Box_tag, 1602
ppl_new_Uint16_Box_from_Octagonal_Shape_-mpz_class_with_complexity
ppl_Uint16_Box_tag, 1605
ppl_new_Uint16_Box_from_Rational_Box
ppl_Uint16_Box_tag, 1600
ppl_new_Uint16_Box_from_Rational_Box_with_-complexity
ppl_Uint16_Box_tag, 1604
ppl_new_Uint16_Box_from_space_dimension
ppl_Uint16_Box_tag, 1599
ppl_new_Uint16_Box_from_Uint16_Box
ppl_Uint16_Box_tag, 1600
ppl_new_Uint16_Box_from_Uint16_Box_with_-complexity
ppl_Uint16_Box_tag, 1604
ppl_new_Uint16_Box_from_Uint32_Box
ppl_Uint16_Box_tag, 1600
ppl_new_Uint16_Box_from_Uint32_Box_with_-complexity
ppl_Uint16_Box_tag, 1604
ppl_new_Uint16_Box_from_Uint64_Box
ppl_Uint16_Box_tag, 1600
ppl_new_Uint16_Box_from_Uint64_Box_with_-complexity
ppl_Uint16_Box_tag, 1604
ppl_new_Uint16_Box_from_Uint8_Box
ppl_Uint16_Box_tag, 1600
ppl_new_Uint16_Box_from_Uint8_Box_with_-complexity
ppl_Uint16_Box_tag, 1604
ppl_new_Uint16_Box_from_Z_Box
ppl_Uint16_Box_tag, 1600
ppl_new_Uint16_Box_from_Z_Box_with_-complexity
ppl_Uint16_Box_tag, 1604
ppl_new_Uint16_Box_recycle_Congruence_-System
ppl_Uint16_Box_tag, 1616
ppl_new_Uint16_Box_recycle_Constraint_System
ppl_Uint16_Box_tag, 1616
ppl_new_Uint16_Box_recycle_Generator_System
ppl_Uint16_Box_tag, 1616
ppl_new_Uint32_Box_from_BD_Shape_double
ppl_Uint32_Box_tag, 1628

ppl_new_Uint32_Box_from_BD_Shape_double_-with_complexity
ppl_Uint32_Box_tag, 1632
ppl_new_Uint32_Box_from_BD_Shape_float
ppl_Uint32_Box_tag, 1627
ppl_new_Uint32_Box_from_BD_Shape_float_-with_complexity
ppl_Uint32_Box_tag, 1631
ppl_new_Uint32_Box_from_BD_Shape_int16_t
ppl_Uint32_Box_tag, 1626
ppl_new_Uint32_Box_from_BD_Shape_int16_t_-with_complexity
ppl_Uint32_Box_tag, 1629
ppl_new_Uint32_Box_from_BD_Shape_int32_t
ppl_Uint32_Box_tag, 1626
ppl_new_Uint32_Box_from_BD_Shape_int32_t_-with_complexity
ppl_Uint32_Box_tag, 1630
ppl_new_Uint32_Box_from_BD_Shape_int64_t
ppl_Uint32_Box_tag, 1626
ppl_new_Uint32_Box_from_BD_Shape_int64_t_-with_complexity
ppl_Uint32_Box_tag, 1630
ppl_new_Uint32_Box_from_BD_Shape_int8_t
ppl_Uint32_Box_tag, 1626
ppl_new_Uint32_Box_from_BD_Shape_int8_t_-with_complexity
ppl_Uint32_Box_tag, 1629
ppl_new_Uint32_Box_from_BD_Shape_long_-double
ppl_Uint32_Box_tag, 1628
ppl_new_Uint32_Box_from_BD_Shape_long_-double_with_complexity
ppl_Uint32_Box_tag, 1632
ppl_new_Uint32_Box_from_BD_Shape_mpq_-class
ppl_Uint32_Box_tag, 1626
ppl_new_Uint32_Box_from_BD_Shape_mpq_-class_with_complexity
ppl_Uint32_Box_tag, 1630
ppl_new_Uint32_Box_from_BD_Shape_mpz_-class
ppl_Uint32_Box_tag, 1626
ppl_new_Uint32_Box_from_BD_Shape_mpz_-class_with_complexity
ppl_Uint32_Box_tag, 1630
ppl_new_Uint32_Box_from_C_Polyhedron
ppl_Uint32_Box_tag, 1627
ppl_new_Uint32_Box_from_C_Polyhedron_with_-complexity
ppl_Uint32_Box_tag, 1631
ppl_new_Uint32_Box_from_Congruence_System
ppl_Uint32_Box_tag, 1632
ppl_new_Uint32_Box_from_Constraint_System
ppl_Uint32_Box_tag, 1632
ppl_new_Uint32_Box_from_Double_Box
ppl_Uint32_Box_tag, 1628
ppl_new_Uint32_Box_from_Double_Box_with_-complexity
ppl_Uint32_Box_tag, 1631
ppl_new_Uint32_Box_from_Float_Box
ppl_Uint32_Box_tag, 1627
ppl_new_Uint32_Box_from_Float_Box_with_-complexity
ppl_Uint32_Box_tag, 1631
ppl_new_Uint32_Box_from_Generator_System
ppl_Uint32_Box_tag, 1632
ppl_new_Uint32_Box_from_Grid
ppl_Uint32_Box_tag, 1627
ppl_new_Uint32_Box_from_Grid_with_-complexity
ppl_Uint32_Box_tag, 1631
ppl_new_Uint32_Box_from_Int16_Box
ppl_Uint32_Box_tag, 1625
ppl_new_Uint32_Box_from_Int16_Box_with_-complexity
ppl_Uint32_Box_tag, 1628
ppl_new_Uint32_Box_from_Int32_Box
ppl_Uint32_Box_tag, 1625
ppl_new_Uint32_Box_from_Int32_Box_with_-complexity
ppl_Uint32_Box_tag, 1628
ppl_new_Uint32_Box_from_Int64_Box
ppl_Uint32_Box_tag, 1625
ppl_new_Uint32_Box_from_Int64_Box_with_-complexity
ppl_Uint32_Box_tag, 1629
ppl_new_Uint32_Box_from_Int8_Box
ppl_Uint32_Box_tag, 1624
ppl_new_Uint32_Box_from_Int8_Box_with_-complexity
ppl_Uint32_Box_tag, 1628
ppl_new_Uint32_Box_from_Long_Double_Box
ppl_Uint32_Box_tag, 1628
ppl_new_Uint32_Box_from_Long_Double_Box_-with_complexity
ppl_Uint32_Box_tag, 1632
ppl_new_Uint32_Box_from_NNC_Polyhedron
ppl_Uint32_Box_tag, 1627
ppl_new_Uint32_Box_from_NNC_Polyhedron_-with_complexity
ppl_Uint32_Box_tag, 1631
ppl_new_Uint32_Box_from_Octagonal_Shape_-double
ppl_Uint32_Box_tag, 1628
ppl_new_Uint32_Box_from_Octagonal_Shape_-double_with_complexity
ppl_Uint32_Box_tag, 1632

ppl_new_Uint32_Box_from_Octagonal_Shape_-float
ppl_Uint32_Box_tag, 1627
ppl_new_Uint32_Box_from_Octagonal_Shape_-float_with_complexity
ppl_Uint32_Box_tag, 1631
ppl_new_Uint32_Box_from_Octagonal_Shape_-int16_t
ppl_Uint32_Box_tag, 1626
ppl_new_Uint32_Box_from_Octagonal_Shape_-int16_t_with_complexity
ppl_Uint32_Box_tag, 1630
ppl_new_Uint32_Box_from_Octagonal_Shape_-int32_t
ppl_Uint32_Box_tag, 1626
ppl_new_Uint32_Box_from_Octagonal_Shape_-int32_t_with_complexity
ppl_Uint32_Box_tag, 1630
ppl_new_Uint32_Box_from_Octagonal_Shape_-int64_t
ppl_Uint32_Box_tag, 1627
ppl_new_Uint32_Box_from_Octagonal_Shape_-int64_t_with_complexity
ppl_Uint32_Box_tag, 1630
ppl_new_Uint32_Box_from_Octagonal_Shape_-int8_t
ppl_Uint32_Box_tag, 1626
ppl_new_Uint32_Box_from_Octagonal_Shape_-int8_t_with_complexity
ppl_Uint32_Box_tag, 1630
ppl_new_Uint32_Box_from_Octagonal_Shape_-long_double
ppl_Uint32_Box_tag, 1628
ppl_new_Uint32_Box_from_Octagonal_Shape_-long_double_with_complexity
ppl_Uint32_Box_tag, 1632
ppl_new_Uint32_Box_from_Octagonal_Shape_-mpq_class
ppl_Uint32_Box_tag, 1627
ppl_new_Uint32_Box_from_Octagonal_Shape_-mpq_class_with_complexity
ppl_Uint32_Box_tag, 1631
ppl_new_Uint32_Box_from_Octagonal_Shape_-mpz_class
ppl_Uint32_Box_tag, 1627
ppl_new_Uint32_Box_from_Octagonal_Shape_-mpz_class_with_complexity
ppl_Uint32_Box_tag, 1631
ppl_new_Uint32_Box_from_Rational_Box
ppl_Uint32_Box_tag, 1625
ppl_new_Uint32_Box_from_Rational_Box_with_-complexity
ppl_Uint32_Box_tag, 1629
ppl_new_Uint32_Box_from_space_dimension
ppl_Uint32_Box_tag, 1624
ppl_new_Uint32_Box_from_Uint16_Box
ppl_Uint32_Box_tag, 1625
ppl_new_Uint32_Box_from_Uint16_Box_with_-complexity
ppl_Uint32_Box_tag, 1629
ppl_new_Uint32_Box_from_Uint32_Box
ppl_Uint32_Box_tag, 1625
ppl_new_Uint32_Box_from_Uint32_Box_with_-complexity
ppl_Uint32_Box_tag, 1629
ppl_new_Uint32_Box_from_Uint64_Box
ppl_Uint32_Box_tag, 1625
ppl_new_Uint32_Box_from_Uint64_Box_with_-complexity
ppl_Uint32_Box_tag, 1629
ppl_new_Uint32_Box_from_Uint8_Box
ppl_Uint32_Box_tag, 1625
ppl_new_Uint32_Box_from_Uint8_Box_with_-complexity
ppl_Uint32_Box_tag, 1629
ppl_new_Uint32_Box_from_Z_Box
ppl_Uint32_Box_tag, 1625
ppl_new_Uint32_Box_from_Z_Box_with_-complexity
ppl_Uint32_Box_tag, 1629
ppl_new_Uint32_Box_recycle_Congruence_-System
ppl_Uint32_Box_tag, 1641
ppl_new_Uint32_Box_recycle_Constraint_System
ppl_Uint32_Box_tag, 1641
ppl_new_Uint32_Box_recycle_Generator_System
ppl_Uint32_Box_tag, 1641
ppl_new_Uint64_Box_from_BD_Shape_double
ppl_Uint64_Box_tag, 1653
ppl_new_Uint64_Box_from_BD_Shape_double_-with_complexity
ppl_Uint64_Box_tag, 1657
ppl_new_Uint64_Box_from_BD_Shape_float
ppl_Uint64_Box_tag, 1652
ppl_new_Uint64_Box_from_BD_Shape_float_-with_complexity
ppl_Uint64_Box_tag, 1656
ppl_new_Uint64_Box_from_BD_Shape_int16_t
ppl_Uint64_Box_tag, 1651
ppl_new_Uint64_Box_from_BD_Shape_int16_t_-with_complexity
ppl_Uint64_Box_tag, 1655
ppl_new_Uint64_Box_from_BD_Shape_int32_t
ppl_Uint64_Box_tag, 1651
ppl_new_Uint64_Box_from_BD_Shape_int32_t_-with_complexity
ppl_Uint64_Box_tag, 1655
ppl_new_Uint64_Box_from_BD_Shape_int64_t

ppl_Uint64_Box_tag, 1651
ppl_new_Uint64_Box_from_BD_Shape_int64_t_-with_complexity
ppl_Uint64_Box_tag, 1655
ppl_new_Uint64_Box_from_BD_Shape_int8_t
ppl_Uint64_Box_tag, 1651
ppl_new_Uint64_Box_from_BD_Shape_int8_t_-with_complexity
ppl_Uint64_Box_tag, 1654
ppl_new_Uint64_Box_from_BD_Shape_long_-double
ppl_Uint64_Box_tag, 1653
ppl_new_Uint64_Box_from_BD_Shape_long_-double_with_complexity
ppl_Uint64_Box_tag, 1657
ppl_new_Uint64_Box_from_BD_Shape_mpq_-class
ppl_Uint64_Box_tag, 1651
ppl_new_Uint64_Box_from_BD_Shape_mpq_-class_with_complexity
ppl_Uint64_Box_tag, 1655
ppl_new_Uint64_Box_from_BD_Shape_mpz_-class
ppl_Uint64_Box_tag, 1651
ppl_new_Uint64_Box_from_BD_Shape_mpz_-class_with_complexity
ppl_Uint64_Box_tag, 1655
ppl_new_Uint64_Box_from_C_Polyhedron
ppl_Uint64_Box_tag, 1652
ppl_new_Uint64_Box_from_C_Polyhedron_with_-complexity
ppl_Uint64_Box_tag, 1656
ppl_new_Uint64_Box_from_Congruence_System
ppl_Uint64_Box_tag, 1657
ppl_new_Uint64_Box_from_Constraint_System
ppl_Uint64_Box_tag, 1657
ppl_new_Uint64_Box_from_Double_Box
ppl_Uint64_Box_tag, 1653
ppl_new_Uint64_Box_from_Double_Box_with_-complexity
ppl_Uint64_Box_tag, 1657
ppl_new_Uint64_Box_from_Float_Box
ppl_Uint64_Box_tag, 1652
ppl_new_Uint64_Box_from_Float_Box_with_-complexity
ppl_Uint64_Box_tag, 1656
ppl_new_Uint64_Box_from_Generator_System
ppl_Uint64_Box_tag, 1658
ppl_new_Uint64_Box_from_Grid
ppl_Uint64_Box_tag, 1652
ppl_new_Uint64_Box_from_Grid_with_-complexity
ppl_Uint64_Box_tag, 1656
ppl_new_Uint64_Box_from_Int16_Box
ppl_Uint64_Box_tag, 1650
ppl_new_Uint64_Box_from_Int16_Box_with_-complexity
ppl_Uint64_Box_tag, 1653
ppl_new_Uint64_Box_from_Int32_Box
ppl_Uint64_Box_tag, 1650
ppl_new_Uint64_Box_from_Int32_Box_with_-complexity
ppl_Uint64_Box_tag, 1654
ppl_new_Uint64_Box_from_Int64_Box
ppl_Uint64_Box_tag, 1650
ppl_new_Uint64_Box_from_Int64_Box_with_-complexity
ppl_Uint64_Box_tag, 1654
ppl_new_Uint64_Box_from_Int8_Box
ppl_Uint64_Box_tag, 1650
ppl_new_Uint64_Box_from_Int8_Box_with_-complexity
ppl_Uint64_Box_tag, 1653
ppl_new_Uint64_Box_from_Long_Double_Box
ppl_Uint64_Box_tag, 1653
ppl_new_Uint64_Box_from_Long_Double_Box_-with_complexity
ppl_Uint64_Box_tag, 1657
ppl_new_Uint64_Box_from_NNC_Polyhedron
ppl_Uint64_Box_tag, 1652
ppl_new_Uint64_Box_from_NNC_Polyhedron_-with_complexity
ppl_Uint64_Box_tag, 1656
ppl_new_Uint64_Box_from_Octagonal_Shape_-double
ppl_Uint64_Box_tag, 1653
ppl_new_Uint64_Box_from_Octagonal_Shape_-double_with_complexity
ppl_Uint64_Box_tag, 1657
ppl_new_Uint64_Box_from_Octagonal_Shape_-float
ppl_Uint64_Box_tag, 1653
ppl_new_Uint64_Box_from_Octagonal_Shape_-float_with_complexity
ppl_Uint64_Box_tag, 1656
ppl_new_Uint64_Box_from_Octagonal_Shape_-int16_t
ppl_Uint64_Box_tag, 1651
ppl_new_Uint64_Box_from_Octagonal_Shape_-int16_t_with_complexity
ppl_Uint64_Box_tag, 1655
ppl_new_Uint64_Box_from_Octagonal_Shape_-int32_t
ppl_Uint64_Box_tag, 1652
ppl_new_Uint64_Box_from_Octagonal_Shape_-int32_t_with_complexity
ppl_Uint64_Box_tag, 1655

ppl_new_Uint64_Box_from_Octagonal_Shape_-int64_t
ppl_Uint64_Box_tag, 1652
ppl_new_Uint64_Box_from_Octagonal_Shape_-int64_t_with_complexity
ppl_Uint64_Box_tag, 1656
ppl_new_Uint64_Box_from_Octagonal_Shape_-int8_t
ppl_Uint64_Box_tag, 1651
ppl_new_Uint64_Box_from_Octagonal_Shape_-int8_t_with_complexity
ppl_Uint64_Box_tag, 1655
ppl_new_Uint64_Box_from_Octagonal_Shape_-long_double
ppl_Uint64_Box_tag, 1653
ppl_new_Uint64_Box_from_Octagonal_Shape_-long_double_with_complexity
ppl_Uint64_Box_tag, 1657
ppl_new_Uint64_Box_from_Octagonal_Shape_-mpq_class
ppl_Uint64_Box_tag, 1652
ppl_new_Uint64_Box_from_Octagonal_Shape_-mpq_class_with_complexity
ppl_Uint64_Box_tag, 1656
ppl_new_Uint64_Box_from_Octagonal_Shape_-mpz_class
ppl_Uint64_Box_tag, 1652
ppl_new_Uint64_Box_from_Octagonal_Shape_-mpz_class_with_complexity
ppl_Uint64_Box_tag, 1656
ppl_new_Uint64_Box_from_Rational_Box
ppl_Uint64_Box_tag, 1651
ppl_new_Uint64_Box_from_Rational_Box_with_-complexity
ppl_Uint64_Box_tag, 1654
ppl_new_Uint64_Box_from_space_dimension
ppl_Uint64_Box_tag, 1649
ppl_new_Uint64_Box_from_Uint16_Box
ppl_Uint64_Box_tag, 1650
ppl_new_Uint64_Box_from_Uint16_Box_with_-complexity
ppl_Uint64_Box_tag, 1654
ppl_new_Uint64_Box_from_Uint32_Box
ppl_Uint64_Box_tag, 1650
ppl_new_Uint64_Box_from_Uint32_Box_with_-complexity
ppl_Uint64_Box_tag, 1654
ppl_new_Uint64_Box_from_Uint64_Box
ppl_Uint64_Box_tag, 1650
ppl_new_Uint64_Box_from_Uint64_Box_with_-complexity
ppl_Uint64_Box_tag, 1654
ppl_new_Uint64_Box_from_Uint8_Box
ppl_Uint64_Box_tag, 1650
ppl_new_Uint64_Box_from_Uint8_Box_with_-complexity
ppl_Uint64_Box_tag, 1654
ppl_new_Uint64_Box_from_Z_Box
ppl_Uint64_Box_tag, 1650
ppl_new_Uint64_Box_from_Z_Box_with_-complexity
ppl_Uint64_Box_tag, 1654
ppl_new_Uint64_Box_recycle_Congruence_-System
ppl_Uint64_Box_tag, 1666
ppl_new_Uint64_Box_recycle_Constraint_System
ppl_Uint64_Box_tag, 1666
ppl_new_Uint64_Box_recycle_Generator_System
ppl_Uint64_Box_tag, 1666
ppl_new_Uint8_Box_from_BD_Shape_double
ppl_Uint8_Box_tag, 1678
ppl_new_Uint8_Box_from_BD_Shape_double_-with_complexity
ppl_Uint8_Box_tag, 1682
ppl_new_Uint8_Box_from_BD_Shape_float
ppl_Uint8_Box_tag, 1677
ppl_new_Uint8_Box_from_BD_Shape_float_-with_complexity
ppl_Uint8_Box_tag, 1681
ppl_new_Uint8_Box_from_BD_Shape_int16_t
ppl_Uint8_Box_tag, 1676
ppl_new_Uint8_Box_from_BD_Shape_int16_t_-with_complexity
ppl_Uint8_Box_tag, 1679
ppl_new_Uint8_Box_from_BD_Shape_int32_t
ppl_Uint8_Box_tag, 1676
ppl_new_Uint8_Box_from_BD_Shape_int32_t_-with_complexity
ppl_Uint8_Box_tag, 1680
ppl_new_Uint8_Box_from_BD_Shape_int64_t
ppl_Uint8_Box_tag, 1676
ppl_new_Uint8_Box_from_BD_Shape_int64_t_-with_complexity
ppl_Uint8_Box_tag, 1680
ppl_new_Uint8_Box_from_BD_Shape_int8_t
ppl_Uint8_Box_tag, 1676
ppl_new_Uint8_Box_from_BD_Shape_int8_t_-with_complexity
ppl_Uint8_Box_tag, 1679
ppl_new_Uint8_Box_from_BD_Shape_long_-double
ppl_Uint8_Box_tag, 1678
ppl_new_Uint8_Box_from_BD_Shape_long_-double_with_complexity
ppl_Uint8_Box_tag, 1682
ppl_new_Uint8_Box_from_BD_Shape_mpq_class
ppl_Uint8_Box_tag, 1676

ppl_new_Uint8_Box_from_BD_Shape_mpq_-
class_with_complexity
ppl_Uint8_Box_tag, 1680
ppl_new_Uint8_Box_from_BD_Shape_mpz_class
ppl_Uint8_Box_tag, 1676
ppl_new_Uint8_Box_from_BD_Shape_mpz_-
class_with_complexity
ppl_Uint8_Box_tag, 1680
ppl_new_Uint8_Box_from_C_Polyhedron
ppl_Uint8_Box_tag, 1677
ppl_new_Uint8_Box_from_C_Polyhedron_with_-
complexity
ppl_Uint8_Box_tag, 1681
ppl_new_Uint8_Box_from_Congruence_System
ppl_Uint8_Box_tag, 1682
ppl_new_Uint8_Box_from_Constraint_System
ppl_Uint8_Box_tag, 1682
ppl_new_Uint8_Box_from_Double_Box
ppl_Uint8_Box_tag, 1678
ppl_new_Uint8_Box_from_Double_Box_with_-
complexity
ppl_Uint8_Box_tag, 1681
ppl_new_Uint8_Box_from_Float_Box
ppl_Uint8_Box_tag, 1677
ppl_new_Uint8_Box_from_Float_Box_with_-
complexity
ppl_Uint8_Box_tag, 1681
ppl_new_Uint8_Box_from_Generator_System
ppl_Uint8_Box_tag, 1682
ppl_new_Uint8_Box_from_Grid
ppl_Uint8_Box_tag, 1677
ppl_new_Uint8_Box_from_Grid_with_complexity
ppl_Uint8_Box_tag, 1681
ppl_new_Uint8_Box_from_Int16_Box
ppl_Uint8_Box_tag, 1675
ppl_new_Uint8_Box_from_Int16_Box_with_-
complexity
ppl_Uint8_Box_tag, 1678
ppl_new_Uint8_Box_from_Int32_Box
ppl_Uint8_Box_tag, 1675
ppl_new_Uint8_Box_from_Int32_Box_with_-
complexity
ppl_Uint8_Box_tag, 1678
ppl_new_Uint8_Box_from_Int64_Box
ppl_Uint8_Box_tag, 1675
ppl_new_Uint8_Box_from_Int64_Box_with_-
complexity
ppl_Uint8_Box_tag, 1679
ppl_new_Uint8_Box_from_Int8_Box
ppl_Uint8_Box_tag, 1674
ppl_new_Uint8_Box_from_Int8_Box_with_-
complexity
ppl_Uint8_Box_tag, 1678
ppl_new_Uint8_Box_from_Long_Double_Box
ppl_Uint8_Box_tag, 1678
ppl_new_Uint8_Box_from_Long_Double_Box_-
with_complexity
ppl_Uint8_Box_tag, 1682
ppl_new_Uint8_Box_from_NNC_Polyhedron
ppl_Uint8_Box_tag, 1677
ppl_new_Uint8_Box_from_NNC_Polyhedron_-
with_complexity
ppl_Uint8_Box_tag, 1681
ppl_new_Uint8_Box_from_Octagonal_Shape_-
double
ppl_Uint8_Box_tag, 1678
ppl_new_Uint8_Box_from_Octagonal_Shape_-
double_with_complexity
ppl_Uint8_Box_tag, 1682
ppl_new_Uint8_Box_from_Octagonal_Shape_float
ppl_Uint8_Box_tag, 1677
ppl_new_Uint8_Box_from_Octagonal_Shape_-
float_with_complexity
ppl_Uint8_Box_tag, 1681
ppl_new_Uint8_Box_from_Octagonal_Shape_-
int16_t
ppl_Uint8_Box_tag, 1676
ppl_new_Uint8_Box_from_Octagonal_Shape_-
int16_t_with_complexity
ppl_Uint8_Box_tag, 1680
ppl_new_Uint8_Box_from_Octagonal_Shape_-
int32_t
ppl_Uint8_Box_tag, 1676
ppl_new_Uint8_Box_from_Octagonal_Shape_-
int32_t_with_complexity
ppl_Uint8_Box_tag, 1680
ppl_new_Uint8_Box_from_Octagonal_Shape_-
int64_t
ppl_Uint8_Box_tag, 1677
ppl_new_Uint8_Box_from_Octagonal_Shape_-
int64_t_with_complexity
ppl_Uint8_Box_tag, 1680
ppl_new_Uint8_Box_from_Octagonal_Shape_-
int8_t
ppl_Uint8_Box_tag, 1676
ppl_new_Uint8_Box_from_Octagonal_Shape_-
int8_t_with_complexity
ppl_Uint8_Box_tag, 1680
ppl_new_Uint8_Box_from_Octagonal_Shape_-
long_double
ppl_Uint8_Box_tag, 1678
ppl_new_Uint8_Box_from_Octagonal_Shape_-
long_double_with_complexity
ppl_Uint8_Box_tag, 1682
ppl_new_Uint8_Box_from_Octagonal_Shape_-
mpq_class
ppl_Uint8_Box_tag, 1677

ppl_new_Uint8_Box_from_Octagonal_Shape_-
mpq_class_with_complexity
ppl_Uint8_Box_tag, 1681
ppl_new_Uint8_Box_from_Octagonal_Shape_-
mpz_class
ppl_Uint8_Box_tag, 1677
ppl_new_Uint8_Box_from_Octagonal_Shape_-
mpz_class_with_complexity
ppl_Uint8_Box_tag, 1681
ppl_new_Uint8_Box_from_Rational_Box
ppl_Uint8_Box_tag, 1675
ppl_new_Uint8_Box_from_Rational_Box_with_-
complexity
ppl_Uint8_Box_tag, 1679
ppl_new_Uint8_Box_from_space_dimension
ppl_Uint8_Box_tag, 1674
ppl_new_Uint8_Box_from_Uint16_Box
ppl_Uint8_Box_tag, 1675
ppl_new_Uint8_Box_from_Uint16_Box_with_-
complexity
ppl_Uint8_Box_tag, 1679
ppl_new_Uint8_Box_from_Uint32_Box
ppl_Uint8_Box_tag, 1675
ppl_new_Uint8_Box_from_Uint32_Box_with_-
complexity
ppl_Uint8_Box_tag, 1679
ppl_new_Uint8_Box_from_Uint64_Box
ppl_Uint8_Box_tag, 1675
ppl_new_Uint8_Box_from_Uint64_Box_with_-
complexity
ppl_Uint8_Box_tag, 1679
ppl_new_Uint8_Box_from_Uint8_Box
ppl_Uint8_Box_tag, 1675
ppl_new_Uint8_Box_from_Uint8_Box_with_-
complexity
ppl_Uint8_Box_tag, 1679
ppl_new_Uint8_Box_from_Z_Box
ppl_Uint8_Box_tag, 1675
ppl_new_Uint8_Box_from_Z_Box_with_-
complexity
ppl_Uint8_Box_tag, 1679
ppl_new_Uint8_Box_recycle_Congruence_System
ppl_Uint8_Box_tag, 1691
ppl_new_Uint8_Box_recycle_Constraint_System
ppl_Uint8_Box_tag, 1691
ppl_new_Uint8_Box_recycle_Generator_System
ppl_Uint8_Box_tag, 1691
ppl_new_Z_Box_from_BD_Shape_double
ppl_Z_Box_tag, 1702
ppl_new_Z_Box_from_BD_Shape_double_with_-
complexity
ppl_Z_Box_tag, 1706
ppl_new_Z_Box_from_BD_Shape_float
ppl_Z_Box_tag, 1702
ppl_new_Z_Box_from_BD_Shape_float_with_-
complexity
ppl_Z_Box_tag, 1705
ppl_new_Z_Box_from_BD_Shape_int16_t
ppl_Z_Box_tag, 1700
ppl_new_Z_Box_from_BD_Shape_int16_t_with_-
complexity
ppl_Z_Box_tag, 1704
ppl_new_Z_Box_from_BD_Shape_int32_t
ppl_Z_Box_tag, 1700
ppl_new_Z_Box_from_BD_Shape_int32_t_with_-
complexity
ppl_Z_Box_tag, 1704
ppl_new_Z_Box_from_BD_Shape_int64_t
ppl_Z_Box_tag, 1700
ppl_new_Z_Box_from_BD_Shape_int64_t_with_-
complexity
ppl_Z_Box_tag, 1704
ppl_new_Z_Box_from_BD_Shape_int8_t
ppl_Z_Box_tag, 1700
ppl_new_Z_Box_from_BD_Shape_int8_t_with_-
complexity
ppl_Z_Box_tag, 1704
ppl_new_Z_Box_from_BD_Shape_long_double
ppl_Z_Box_tag, 1702
ppl_new_Z_Box_from_BD_Shape_long_double_-
with_complexity
ppl_Z_Box_tag, 1706
ppl_new_Z_Box_from_BD_Shape_mpq_class
ppl_Z_Box_tag, 1700
ppl_new_Z_Box_from_BD_Shape_mpq_class_-
with_complexity
ppl_Z_Box_tag, 1704
ppl_new_Z_Box_from_BD_Shape_mpz_class
ppl_Z_Box_tag, 1700
ppl_new_Z_Box_from_BD_Shape_mpz_class_-
with_complexity
ppl_Z_Box_tag, 1704
ppl_new_Z_Box_from_C_Polyhedron
ppl_Z_Box_tag, 1701
ppl_new_Z_Box_from_C_Polyhedron_with_-
complexity
ppl_Z_Box_tag, 1705
ppl_new_Z_Box_from_Congruence_System
ppl_Z_Box_tag, 1706
ppl_new_Z_Box_from_Constraint_System
ppl_Z_Box_tag, 1706
ppl_new_Z_Box_from_Double_Box
ppl_Z_Box_tag, 1702
ppl_new_Z_Box_from_Double_Box_with_-
complexity
ppl_Z_Box_tag, 1706
ppl_new_Z_Box_from_Float_Box
ppl_Z_Box_tag, 1701

ppl_new_Z_Box_from_Float_Box_with_-complexity
ppl_Z_Box_tag, 1705
ppl_new_Z_Box_from_Generator_System
ppl_Z_Box_tag, 1706
ppl_new_Z_Box_from_Grid
ppl_Z_Box_tag, 1701
ppl_new_Z_Box_from_Grid_with_complexity
ppl_Z_Box_tag, 1705
ppl_new_Z_Box_from_Int16_Box
ppl_Z_Box_tag, 1699
ppl_new_Z_Box_from_Int16_Box_with_-complexity
ppl_Z_Box_tag, 1703
ppl_new_Z_Box_from_Int32_Box
ppl_Z_Box_tag, 1699
ppl_new_Z_Box_from_Int32_Box_with_-complexity
ppl_Z_Box_tag, 1703
ppl_new_Z_Box_from_Int64_Box
ppl_Z_Box_tag, 1699
ppl_new_Z_Box_from_Int64_Box_with_-complexity
ppl_Z_Box_tag, 1703
ppl_new_Z_Box_from_Int8_Box
ppl_Z_Box_tag, 1699
ppl_new_Z_Box_from_Int8_Box_with_complexity
ppl_Z_Box_tag, 1702
ppl_new_Z_Box_from_Long_Double_Box
ppl_Z_Box_tag, 1702
ppl_new_Z_Box_from_Long_Double_Box_with_-complexity
ppl_Z_Box_tag, 1706
ppl_new_Z_Box_from_NNC_Polyhedron
ppl_Z_Box_tag, 1701
ppl_new_Z_Box_from_NNC_Polyhedron_with_-complexity
ppl_Z_Box_tag, 1705
ppl_new_Z_Box_from_Octagonal_Shape_double
ppl_Z_Box_tag, 1702
ppl_new_Z_Box_from_Octagonal_Shape_-double_with_complexity
ppl_Z_Box_tag, 1706
ppl_new_Z_Box_from_Octagonal_Shape_float
ppl_Z_Box_tag, 1702
ppl_new_Z_Box_from_Octagonal_Shape_float_-with_complexity
ppl_Z_Box_tag, 1705
ppl_new_Z_Box_from_Octagonal_Shape_int16_t
ppl_Z_Box_tag, 1701
ppl_new_Z_Box_from_Octagonal_Shape_int16_-t_with_complexity
ppl_Z_Box_tag, 1704
ppl_new_Z_Box_from_Octagonal_Shape_int32_t
ppl_Z_Box_tag, 1701
ppl_new_Z_Box_from_Octagonal_Shape_int32_-t_with_complexity
ppl_Z_Box_tag, 1704
ppl_new_Z_Box_from_Octagonal_Shape_int64_t
ppl_Z_Box_tag, 1701
ppl_new_Z_Box_from_Octagonal_Shape_int64_-t_with_complexity
ppl_Z_Box_tag, 1705
ppl_new_Z_Box_from_Octagonal_Shape_int8_t
ppl_Z_Box_tag, 1700
ppl_new_Z_Box_from_Octagonal_Shape_int8_t_-with_complexity
ppl_Z_Box_tag, 1704
ppl_new_Z_Box_from_Octagonal_Shape_long_-double
ppl_Z_Box_tag, 1702
ppl_new_Z_Box_from_Octagonal_Shape_long_-double_with_complexity
ppl_Z_Box_tag, 1706
ppl_new_Z_Box_from_Octagonal_Shape_mpq_-class
ppl_Z_Box_tag, 1701
ppl_new_Z_Box_from_Octagonal_Shape_mpq_-class_with_complexity
ppl_Z_Box_tag, 1705
ppl_new_Z_Box_from_Octagonal_Shape_mpz_-class
ppl_Z_Box_tag, 1701
ppl_new_Z_Box_from_Octagonal_Shape_mpz_-class_with_complexity
ppl_Z_Box_tag, 1705
ppl_new_Z_Box_from_Rational_Box
ppl_Z_Box_tag, 1700
ppl_new_Z_Box_from_Rational_Box_with_-complexity
ppl_Z_Box_tag, 1703
ppl_new_Z_Box_from_space_dimension
ppl_Z_Box_tag, 1699
ppl_new_Z_Box_from_Uint16_Box
ppl_Z_Box_tag, 1699
ppl_new_Z_Box_from_Uint16_Box_with_-complexity
ppl_Z_Box_tag, 1703
ppl_new_Z_Box_from_Uint32_Box
ppl_Z_Box_tag, 1699
ppl_new_Z_Box_from_Uint32_Box_with_-complexity
ppl_Z_Box_tag, 1703
ppl_new_Z_Box_from_Uint64_Box
ppl_Z_Box_tag, 1699
ppl_new_Z_Box_from_Uint64_Box_with_-complexity
ppl_Z_Box_tag, 1703

ppl_new_Z_Box_from_Uint8_Box
ppl_Z_Box_tag, 1699
ppl_new_Z_Box_from_Uint8_Box_with_-complexity
ppl_Z_Box_tag, 1703
ppl_new_Z_Box_from_Z_Box
ppl_Z_Box_tag, 1700
ppl_new_Z_Box_from_Z_Box_with_complexity
ppl_Z_Box_tag, 1703
ppl_new_Z_Box_recycle_Congruence_System
ppl_Z_Box_tag, 1715
ppl_new_Z_Box_recycle_Constraint_System
ppl_Z_Box_tag, 1714
ppl_new_Z_Box_recycle_Generator_System
ppl_Z_Box_tag, 1715
ppl_Octagonal_Shape_double_add_congruence
ppl_Octagonal_Shape_double_tag, 653
ppl_Octagonal_Shape_double_add_congruences
ppl_Octagonal_Shape_double_tag, 653
ppl_Octagonal_Shape_double_add_constraint
ppl_Octagonal_Shape_double_tag, 653
ppl_Octagonal_Shape_double_add_constraints
ppl_Octagonal_Shape_double_tag, 653
ppl_Octagonal_Shape_double_add_recycled_-congruences
ppl_Octagonal_Shape_double_tag, 659
ppl_Octagonal_Shape_double_add_recycled_-constraints
ppl_Octagonal_Shape_double_tag, 659
ppl_Octagonal_Shape_double_add_space_-dimensions_and_embed
ppl_Octagonal_Shape_double_tag, 656
ppl_Octagonal_Shape_double_add_space_-dimensions_and_project
ppl_Octagonal_Shape_double_tag, 656
ppl_Octagonal_Shape_double_affine_dimension
ppl_Octagonal_Shape_double_tag, 650
ppl_Octagonal_Shape_double_affine_image
ppl_Octagonal_Shape_double_tag, 655
ppl_Octagonal_Shape_double_affine_preimage
ppl_Octagonal_Shape_double_tag, 655
ppl_Octagonal_Shape_double_ascii_dump
ppl_Octagonal_Shape_double_tag, 661
ppl_Octagonal_Shape_double_ascii_load
ppl_Octagonal_Shape_double_tag, 661
ppl_Octagonal_Shape_double_BHMZ05_-widening_assign
ppl_Octagonal_Shape_double_tag, 657
ppl_Octagonal_Shape_double_BHMZ05_-widening_assign_with_tokens
ppl_Octagonal_Shape_double_tag, 657
ppl_Octagonal_Shape_double_bounded_affine_-image
ppl_Octagonal_Shape_double_tag, 655
ppl_Octagonal_Shape_double_bounded_affine_-preimage
ppl_Octagonal_Shape_double_tag, 655
ppl_Octagonal_Shape_double_bounds_from_-above
ppl_Octagonal_Shape_double_tag, 651
ppl_Octagonal_Shape_double_bounds_from_-below
ppl_Octagonal_Shape_double_tag, 651
ppl_Octagonal_Shape_double_CC76_-extrapolation_assign
ppl_Octagonal_Shape_double_tag, 658
ppl_Octagonal_Shape_double_CC76_-extrapolation_assign_with_tokens
ppl_Octagonal_Shape_double_tag, 658
ppl_Octagonal_Shape_double_CC76_narrowing_-assign
ppl_Octagonal_Shape_double_tag, 658
ppl_Octagonal_Shape_double_concatenate_assign
ppl_Octagonal_Shape_double_tag, 654
ppl_Octagonal_Shape_double_constrains
ppl_Octagonal_Shape_double_tag, 654
ppl_Octagonal_Shape_double_contains_integer_-point
ppl_Octagonal_Shape_double_tag, 651
ppl_Octagonal_Shape_double_contains_-Octagonal_Shape_double
ppl_Octagonal_Shape_double_tag, 652
ppl_Octagonal_Shape_double_difference_assign
ppl_Octagonal_Shape_double_tag, 654
ppl_Octagonal_Shape_double_drop_some_non_-integer_points
ppl_Octagonal_Shape_double_tag, 657
ppl_Octagonal_Shape_double_drop_some_non_-integer_points_2
ppl_Octagonal_Shape_double_tag, 657
ppl_Octagonal_Shape_double_equals_Octagonal_-Shape_double
ppl_Octagonal_Shape_double_tag, 652
ppl_Octagonal_Shape_double_expand_space_-dimension
ppl_Octagonal_Shape_double_tag, 656
ppl_Octagonal_Shape_double_external_memory_-in_bytes
ppl_Octagonal_Shape_double_tag, 657
ppl_Octagonal_Shape_double_fold_space_-dimensions
ppl_Octagonal_Shape_double_tag, 656
ppl_Octagonal_Shape_double_frequency
ppl_Octagonal_Shape_double_tag, 652
ppl_Octagonal_Shape_double_generalized_-affine_image
ppl_Octagonal_Shape_double_tag, 655

ppl_Octagonal_Shape_double_generalized_-
affine_image_lhs_rhs
ppl_Octagonal_Shape_double_tag, 655
ppl_Octagonal_Shape_double_generalized_-
affine_preimage
ppl_Octagonal_Shape_double_tag, 655
ppl_Octagonal_Shape_double_generalized_-
affine_preimage_lhs_rhs
ppl_Octagonal_Shape_double_tag, 656
ppl_Octagonal_Shape_double_get_congruences
ppl_Octagonal_Shape_double_tag, 650
ppl_Octagonal_Shape_double_get_constraints
ppl_Octagonal_Shape_double_tag, 650
ppl_Octagonal_Shape_double_get_minimized_-
congruences
ppl_Octagonal_Shape_double_tag, 650
ppl_Octagonal_Shape_double_get_minimized_-
constraints
ppl_Octagonal_Shape_double_tag, 650
ppl_Octagonal_Shape_double_intersection_assign
ppl_Octagonal_Shape_double_tag, 654
ppl_Octagonal_Shape_double_is_bounded
ppl_Octagonal_Shape_double_tag, 651
ppl_Octagonal_Shape_double_is_discrete
ppl_Octagonal_Shape_double_tag, 651
ppl_Octagonal_Shape_double_is_disjoint_from_-
Octagonal_Shape_double
ppl_Octagonal_Shape_double_tag, 652
ppl_Octagonal_Shape_double_is_empty
ppl_Octagonal_Shape_double_tag, 650
ppl_Octagonal_Shape_double_is_topologically_-
closed
ppl_Octagonal_Shape_double_tag, 651
ppl_Octagonal_Shape_double_is_universe
ppl_Octagonal_Shape_double_tag, 651
ppl_Octagonal_Shape_double_limited_BHMZ05_-
extrapolation_assign
ppl_Octagonal_Shape_double_tag, 658
ppl_Octagonal_Shape_double_limited_BHMZ05_-
extrapolation_assign_with_tokens
ppl_Octagonal_Shape_double_tag, 658
ppl_Octagonal_Shape_double_limited_CC76_-
extrapolation_assign
ppl_Octagonal_Shape_double_tag, 658
ppl_Octagonal_Shape_double_limited_CC76_-
extrapolation_assign_with_tokens
ppl_Octagonal_Shape_double_tag, 658
ppl_Octagonal_Shape_double_linear_partition
ppl_Octagonal_Shape_double_tag, 658
ppl_Octagonal_Shape_double_map_space_-
dimensions
ppl_Octagonal_Shape_double_tag, 656
ppl_Octagonal_Shape_double_maximize
ppl_Octagonal_Shape_double_tag, 651
ppl_Octagonal_Shape_double_maximize_with_-
point
ppl_Octagonal_Shape_double_tag, 652
ppl_Octagonal_Shape_double_minimize
ppl_Octagonal_Shape_double_tag, 652
ppl_Octagonal_Shape_double_minimize_with_-
point
ppl_Octagonal_Shape_double_tag, 652
ppl_Octagonal_Shape_double_OK
ppl_Octagonal_Shape_double_tag, 653
ppl_Octagonal_Shape_double_refine_with_-
congruence
ppl_Octagonal_Shape_double_tag, 653
ppl_Octagonal_Shape_double_refine_with_-
congruences
ppl_Octagonal_Shape_double_tag, 653
ppl_Octagonal_Shape_double_refine_with_-
constraint
ppl_Octagonal_Shape_double_tag, 653
ppl_Octagonal_Shape_double_refine_with_-
constraints
ppl_Octagonal_Shape_double_tag, 653
ppl_Octagonal_Shape_double_relation_with_-
Congruence
ppl_Octagonal_Shape_double_tag, 650
ppl_Octagonal_Shape_double_relation_with_-
Constraint
ppl_Octagonal_Shape_double_tag, 650
ppl_Octagonal_Shape_double_relation_with_-
Generator
ppl_Octagonal_Shape_double_tag, 650
ppl_Octagonal_Shape_double_remove_higher_-
space_dimensions
ppl_Octagonal_Shape_double_tag, 656
ppl_Octagonal_Shape_double_remove_space_-
dimensions
ppl_Octagonal_Shape_double_tag, 656
ppl_Octagonal_Shape_double_simplify_using_-
context_assign
ppl_Octagonal_Shape_double_tag, 654
ppl_Octagonal_Shape_double_space_dimension
ppl_Octagonal_Shape_double_tag, 649
ppl_Octagonal_Shape_double_strictly_contains_-
Octagonal_Shape_double
ppl_Octagonal_Shape_double_tag, 652
ppl_Octagonal_Shape_double_tag, 633
ppl_all_affine_ranking_functions_MS_-
Octagonal_Shape_double, 660
ppl_all_affine_ranking_functions_MS_-
Octagonal_Shape_double_2, 661
ppl_all_affine_ranking_functions_PR_-
Octagonal_Shape_double, 660
ppl_all_affine_ranking_functions_PR_-
Octagonal_Shape_double_2, 661

ppl_assign_Octagonal_Shape_double_from_-
Octagonal_Shape_double, 659
ppl_delete_Octagonal_Shape_double, 641
ppl_io_asprint_Octagonal_Shape_double, 661
ppl_io_fprint_Octagonal_Shape_double, 661
ppl_io_print_Octagonal_Shape_double, 661
ppl_new_Octagonal_Shape_double_from_-
BD_Shape_double, 644
ppl_new_Octagonal_Shape_double_from_-
BD_Shape_double_with_complexity,
648
ppl_new_Octagonal_Shape_double_from_-
BD_Shape_float, 644
ppl_new_Octagonal_Shape_double_from_-
BD_Shape_float_with_complexity, 648
ppl_new_Octagonal_Shape_double_from_-
BD_Shape_int16_t, 642
ppl_new_Octagonal_Shape_double_from_-
BD_Shape_int16_t_with_complexity,
646
ppl_new_Octagonal_Shape_double_from_-
BD_Shape_int32_t, 642
ppl_new_Octagonal_Shape_double_from_-
BD_Shape_int32_t_with_complexity,
646
ppl_new_Octagonal_Shape_double_from_-
BD_Shape_int64_t, 642
ppl_new_Octagonal_Shape_double_from_-
BD_Shape_int64_t_with_complexity,
646
ppl_new_Octagonal_Shape_double_from_-
BD_Shape_int8_t, 642
ppl_new_Octagonal_Shape_double_from_-
BD_Shape_int8_t_with_complexity,
646
ppl_new_Octagonal_Shape_double_from_-
BD_Shape_long_double, 645
ppl_new_Octagonal_Shape_double_-
from_BD_Shape_long_double_with_-
complexity, 649
ppl_new_Octagonal_Shape_double_from_-
BD_Shape_mpq_class, 642
ppl_new_Octagonal_Shape_double_from_-
BD_Shape_mpq_class_with_complexity,
647
ppl_new_Octagonal_Shape_double_from_-
BD_Shape_mpz_class, 642
ppl_new_Octagonal_Shape_double_from_-
BD_Shape_mpz_class_with_complexity,
647
ppl_new_Octagonal_Shape_double_from_C_-
Polyhedron, 643
ppl_new_Octagonal_Shape_double_from_C_-
Polyhedron_with_complexity, 648
ppl_new_Octagonal_Shape_double_from_-
Congruence_System, 649
ppl_new_Octagonal_Shape_double_from_-
Constraint_System, 649
ppl_new_Octagonal_Shape_double_from_-
Double_Box, 644
ppl_new_Octagonal_Shape_double_from_-
Double_Box_with_complexity, 648
ppl_new_Octagonal_Shape_double_from_-
Float_Box, 644
ppl_new_Octagonal_Shape_double_from_-
Float_Box_with_complexity, 648
ppl_new_Octagonal_Shape_double_from_-
Generator_System, 649
ppl_new_Octagonal_Shape_double_from_-
Grid, 644
ppl_new_Octagonal_Shape_double_from_-
Grid_with_complexity, 648
ppl_new_Octagonal_Shape_double_from_-
Int16_Box, 641
ppl_new_Octagonal_Shape_double_from_-
Int16_Box_with_complexity, 645
ppl_new_Octagonal_Shape_double_from_-
Int32_Box, 641
ppl_new_Octagonal_Shape_double_from_-
Int32_Box_with_complexity, 645
ppl_new_Octagonal_Shape_double_from_-
Int64_Box, 641
ppl_new_Octagonal_Shape_double_from_-
Int64_Box_with_complexity, 645
ppl_new_Octagonal_Shape_double_from_-
Int8_Box, 641
ppl_new_Octagonal_Shape_double_from_-
Int8_Box_with_complexity, 645
ppl_new_Octagonal_Shape_double_from_-
Long_Double_Box, 644
ppl_new_Octagonal_Shape_double_from_-
Long_Double_Box_with_complexity,
649
ppl_new_Octagonal_Shape_double_from_-
NNC_Polyhedron, 643
ppl_new_Octagonal_Shape_double_from_-
NNC_Polyhedron_with_complexity,
648
ppl_new_Octagonal_Shape_double_from_-
Octagonal_Shape_double, 644
ppl_new_Octagonal_Shape_double_from_-
Octagonal_Shape_double_with_-
complexity, 649
ppl_new_Octagonal_Shape_double_from_-
Octagonal_Shape_float, 644
ppl_new_Octagonal_Shape_double_-
from_Octagonal_Shape_float_with_-
complexity, 648

ppl_new_Octagonal_Shape_double_from_-
Octagonal_Shape_int16_t, 643
ppl_new_Octagonal_Shape_double_from_-
Octagonal_Shape_int16_t_with_-
complexity, 647
ppl_new_Octagonal_Shape_double_from_-
Octagonal_Shape_int32_t, 643
ppl_new_Octagonal_Shape_double_from_-
Octagonal_Shape_int32_t_with_-
complexity, 647
ppl_new_Octagonal_Shape_double_from_-
Octagonal_Shape_int64_t, 643
ppl_new_Octagonal_Shape_double_from_-
Octagonal_Shape_int64_t_with_-
complexity, 647
ppl_new_Octagonal_Shape_double_from_-
Octagonal_Shape_int8_t, 643
ppl_new_Octagonal_Shape_double_-
from_Octagonal_Shape_int8_t_with_-
complexity, 647
ppl_new_Octagonal_Shape_double_from_-
Octagonal_Shape_long_double, 645
ppl_new_Octagonal_Shape_double_from_-
Octagonal_Shape_long_double_with_-
complexity, 649
ppl_new_Octagonal_Shape_double_from_-
Octagonal_Shape_mpq_class, 643
ppl_new_Octagonal_Shape_double_from_-
Octagonal_Shape_mpq_class_with_-
complexity, 647
ppl_new_Octagonal_Shape_double_from_-
Octagonal_Shape_mpz_class, 643
ppl_new_Octagonal_Shape_double_from_-
Octagonal_Shape_mpz_class_with_-
complexity, 647
ppl_new_Octagonal_Shape_double_from_-
Rational_Box, 642
ppl_new_Octagonal_Shape_double_from_-
Rational_Box_with_complexity, 646
ppl_new_Octagonal_Shape_double_from_-
space_dimension, 641
ppl_new_Octagonal_Shape_double_from_-
Uint16_Box, 641
ppl_new_Octagonal_Shape_double_from_-
Uint16_Box_with_complexity, 645
ppl_new_Octagonal_Shape_double_from_-
Uint32_Box, 641
ppl_new_Octagonal_Shape_double_from_-
Uint32_Box_with_complexity, 646
ppl_new_Octagonal_Shape_double_from_-
Uint64_Box, 641
ppl_new_Octagonal_Shape_double_from_-
Uint64_Box_with_complexity, 646
ppl_new_Octagonal_Shape_double_from_-
Uint8_Box, 641
ppl_new_Octagonal_Shape_double_from_-
Uint8_Box_with_complexity, 645
ppl_new_Octagonal_Shape_double_from_Z_-
Box, 642
ppl_new_Octagonal_Shape_double_from_Z_-
Box_with_complexity, 646
ppl_new_Octagonal_Shape_double_recycle_-
Congruence_System, 659
ppl_new_Octagonal_Shape_double_recycle_-
Constraint_System, 659
ppl_new_Octagonal_Shape_double_recycle_-
Generator_System, 659
ppl_Octagonal_Shape_double_add_-
congruence, 653
ppl_Octagonal_Shape_double_add_-
congruences, 653
ppl_Octagonal_Shape_double_add_constraint,
653
ppl_Octagonal_Shape_double_add_-
constraints, 653
ppl_Octagonal_Shape_double_add_recycled_-
congruences, 659
ppl_Octagonal_Shape_double_add_recycled_-
constraints, 659
ppl_Octagonal_Shape_double_add_space_-
dimensions_and_embed, 656
ppl_Octagonal_Shape_double_add_space_-
dimensions_and_project, 656
ppl_Octagonal_Shape_double_affine_-
dimension, 650
ppl_Octagonal_Shape_double_affine_image,
655
ppl_Octagonal_Shape_double_affine_-
preimage, 655
ppl_Octagonal_Shape_double_ascii_dump,
661
ppl_Octagonal_Shape_double_ascii_load, 661
ppl_Octagonal_Shape_double_BHMZ05_-
widening_assign, 657
ppl_Octagonal_Shape_double_BHMZ05_-
widening_assign_with_tokens, 657
ppl_Octagonal_Shape_double_bounded_-
affine_image, 655
ppl_Octagonal_Shape_double_bounded_-
affine_preimage, 655
ppl_Octagonal_Shape_double_bounds_from_-
above, 651
ppl_Octagonal_Shape_double_bounds_from_-
below, 651
ppl_Octagonal_Shape_double_CC76_-
extrapolation_assign, 658
ppl_Octagonal_Shape_double_CC76_-
extrapolation_assign_with_tokens,

658
ppl_Octagonal_Shape_double_CC76_-narrowing_assign, 658
ppl_Octagonal_Shape_double_concatenate_-assign, 654
ppl_Octagonal_Shape_double_constrains, 654
ppl_Octagonal_Shape_double_contains_-integer_point, 651
ppl_Octagonal_Shape_double_contains_-Octagonal_Shape_double, 652
ppl_Octagonal_Shape_double_difference_-assign, 654
ppl_Octagonal_Shape_double_drop_some_-non_integer_points, 657
ppl_Octagonal_Shape_double_drop_some_-non_integer_points_2, 657
ppl_Octagonal_Shape_double_equals_-Octagonal_Shape_double, 652
ppl_Octagonal_Shape_double_expand_-space_dimension, 656
ppl_Octagonal_Shape_double_external_-memory_in_bytes, 657
ppl_Octagonal_Shape_double_fold_space_-dimensions, 656
ppl_Octagonal_Shape_double_frequency, 652
ppl_Octagonal_Shape_double_generalized_-affine_image, 655
ppl_Octagonal_Shape_double_generalized_-affine_image_lhs_rhs, 655
ppl_Octagonal_Shape_double_generalized_-affine_preimage, 655
ppl_Octagonal_Shape_double_generalized_-affine_preimage_lhs_rhs, 656
ppl_Octagonal_Shape_double_get_-congruences, 650
ppl_Octagonal_Shape_double_get_-constraints, 650
ppl_Octagonal_Shape_double_get_-minimized_congruences, 650
ppl_Octagonal_Shape_double_get_-minimized_constraints, 650
ppl_Octagonal_Shape_double_intersection_-assign, 654
ppl_Octagonal_Shape_double_is_bounded, 651
ppl_Octagonal_Shape_double_is_discrete, 651
ppl_Octagonal_Shape_double_is_disjoint_-from_Octagonal_Shape_double, 652
ppl_Octagonal_Shape_double_is_empty, 650
ppl_Octagonal_Shape_double_is_-topologically_closed, 651
ppl_Octagonal_Shape_double_is_universe, 651
ppl_Octagonal_Shape_double_limited_-BHMZ05_extrapolation_assign, 658
ppl_Octagonal_Shape_double_limited_-BHMZ05_extrapolation_assign_with_-tokens, 658
ppl_Octagonal_Shape_double_limited_-CC76_extrapolation_assign, 658
ppl_Octagonal_Shape_double_limited_-CC76_extrapolation_assign_with_tokens, 658
ppl_Octagonal_Shape_double_linear_-partition, 658
ppl_Octagonal_Shape_double_map_space_-dimensions, 656
ppl_Octagonal_Shape_double_maximize, 651
ppl_Octagonal_Shape_double_maximize_-with_point, 652
ppl_Octagonal_Shape_double_minimize, 652
ppl_Octagonal_Shape_double_minimize_-with_point, 652
ppl_Octagonal_Shape_double_OK, 653
ppl_Octagonal_Shape_double_refine_with_-congruence, 653
ppl_Octagonal_Shape_double_refine_with_-congruences, 653
ppl_Octagonal_Shape_double_refine_with_-constraint, 653
ppl_Octagonal_Shape_double_refine_with_-constraints, 653
ppl_Octagonal_Shape_double_relation_with_-Congruence, 650
ppl_Octagonal_Shape_double_relation_with_-Constraint, 650
ppl_Octagonal_Shape_double_relation_with_-Generator, 650
ppl_Octagonal_Shape_double_remove_-higher_space_dimensions, 656
ppl_Octagonal_Shape_double_remove_-space_dimensions, 656
ppl_Octagonal_Shape_double_simplify_-using_context_assign, 654
ppl_Octagonal_Shape_double_space_-dimension, 649
ppl_Octagonal_Shape_double_strictly_-contains_Octagonal_Shape_double, 652
ppl_Octagonal_Shape_double_time_elapse_-assign, 654
ppl_Octagonal_Shape_double_topological_-closure_assign, 651
ppl_Octagonal_Shape_double_total_-memory_in_bytes, 657
ppl_Octagonal_Shape_double_unconstrain_-space_dimension, 654

ppl_Octagonal_Shape_double_unconstrain_-space_dimensions, 655
ppl_Octagonal_Shape_double_upper_bound_-assign, 654
ppl_Octagonal_Shape_double_upper_bound_-assign_if_exact, 654
ppl_Octagonal_Shape_double_widening_-assign, 657
ppl_Octagonal_Shape_double_widening_-assign_with_tokens, 657
ppl_Octagonal_Shape_double_wrap_assign, 659
ppl_one_affine_ranking_function_MS_-Octagonal_Shape_double, 660
ppl_one_affine_ranking_function_MS_-Octagonal_Shape_double_2, 660
ppl_one_affine_ranking_function_PR_-Octagonal_Shape_double, 660
ppl_one_affine_ranking_function_PR_-Octagonal_Shape_double_2, 660
ppl_termination_test_MS_Octagonal_Shape_-double, 659
ppl_termination_test_MS_Octagonal_Shape_-double_2, 660
ppl_termination_test_PR_Octagonal_Shape_-double, 660
ppl_termination_test_PR_Octagonal_Shape_-double_2, 660
ppl_Octagonal_Shape_double_time_elapse_assign
ppl_Octagonal_Shape_double_tag, 654
ppl_Octagonal_Shape_double_topological_-closure_assign
ppl_Octagonal_Shape_double_tag, 651
ppl_Octagonal_Shape_double_total_memory_in_-bytes
ppl_Octagonal_Shape_double_tag, 657
ppl_Octagonal_Shape_double_unconstrain_-space_dimension
ppl_Octagonal_Shape_double_tag, 654
ppl_Octagonal_Shape_double_unconstrain_-space_dimensions
ppl_Octagonal_Shape_double_tag, 655
ppl_Octagonal_Shape_double_upper_bound_-assign
ppl_Octagonal_Shape_double_tag, 654
ppl_Octagonal_Shape_double_upper_bound_-assign_if_exact
ppl_Octagonal_Shape_double_tag, 654
ppl_Octagonal_Shape_double_widening_assign
ppl_Octagonal_Shape_double_tag, 657
ppl_Octagonal_Shape_double_widening_assign_-with_tokens
ppl_Octagonal_Shape_double_tag, 657
ppl_Octagonal_Shape_double_wrap_assign
ppl_Octagonal_Shape_double_tag, 659
ppl_Octagonal_Shape_float_add_congruence
ppl_Octagonal_Shape_float_tag, 681
ppl_Octagonal_Shape_float_add_congruences
ppl_Octagonal_Shape_float_tag, 681
ppl_Octagonal_Shape_float_add_constraint
ppl_Octagonal_Shape_float_tag, 680
ppl_Octagonal_Shape_float_add_constraints
ppl_Octagonal_Shape_float_tag, 681
ppl_Octagonal_Shape_float_add_recycled_-congruences
ppl_Octagonal_Shape_float_tag, 687
ppl_Octagonal_Shape_float_add_recycled_-constraints
ppl_Octagonal_Shape_float_tag, 687
ppl_Octagonal_Shape_float_add_space_-dimensions_and_embed
ppl_Octagonal_Shape_float_tag, 683
ppl_Octagonal_Shape_float_add_space_-dimensions_and_project
ppl_Octagonal_Shape_float_tag, 684
ppl_Octagonal_Shape_float_affine_dimension
ppl_Octagonal_Shape_float_tag, 677
ppl_Octagonal_Shape_float_affine_image
ppl_Octagonal_Shape_float_tag, 682
ppl_Octagonal_Shape_float_affine_preimage
ppl_Octagonal_Shape_float_tag, 683
ppl_Octagonal_Shape_float_ascii_dump
ppl_Octagonal_Shape_float_tag, 689
ppl_Octagonal_Shape_float_ascii_load
ppl_Octagonal_Shape_float_tag, 689
ppl_Octagonal_Shape_float_BHMZ05_widening_-assign
ppl_Octagonal_Shape_float_tag, 685
ppl_Octagonal_Shape_float_BHMZ05_widening_-assign_with_tokens
ppl_Octagonal_Shape_float_tag, 685
ppl_Octagonal_Shape_float_bounded_affine_-image
ppl_Octagonal_Shape_float_tag, 683
ppl_Octagonal_Shape_float_bounded_affine_-preimage
ppl_Octagonal_Shape_float_tag, 683
ppl_Octagonal_Shape_float_bounds_from_above
ppl_Octagonal_Shape_float_tag, 679
ppl_Octagonal_Shape_float_bounds_from_below
ppl_Octagonal_Shape_float_tag, 679
ppl_Octagonal_Shape_float_CC76_extrapolation_-assign
ppl_Octagonal_Shape_float_tag, 686
ppl_Octagonal_Shape_float_CC76_extrapolation_-assign_with_tokens
ppl_Octagonal_Shape_float_tag, 686

ppl_Octagonal_Shape_float_CC76_narrowing_-assign
ppl_Octagonal_Shape_float_tag, 686
ppl_Octagonal_Shape_float_concatenate_assign
ppl_Octagonal_Shape_float_tag, 682
ppl_Octagonal_Shape_float_constrains
ppl_Octagonal_Shape_float_tag, 682
ppl_Octagonal_Shape_float_contains_integer_-point
ppl_Octagonal_Shape_float_tag, 679
ppl_Octagonal_Shape_float_contains_Octagonal_-Shape_float
ppl_Octagonal_Shape_float_tag, 680
ppl_Octagonal_Shape_float_difference_assign
ppl_Octagonal_Shape_float_tag, 682
ppl_Octagonal_Shape_float_drop_some_non_-integer_points
ppl_Octagonal_Shape_float_tag, 684
ppl_Octagonal_Shape_float_drop_some_non_-integer_points_2
ppl_Octagonal_Shape_float_tag, 684
ppl_Octagonal_Shape_float_equals_Octagonal_-Shape_float
ppl_Octagonal_Shape_float_tag, 680
ppl_Octagonal_Shape_float_expand_space_-dimension
ppl_Octagonal_Shape_float_tag, 684
ppl_Octagonal_Shape_float_external_memory_-in_bytes
ppl_Octagonal_Shape_float_tag, 684
ppl_Octagonal_Shape_float_fold_space_-dimensions
ppl_Octagonal_Shape_float_tag, 684
ppl_Octagonal_Shape_float_frequency
ppl_Octagonal_Shape_float_tag, 680
ppl_Octagonal_Shape_float_generalized_affine_-image
ppl_Octagonal_Shape_float_tag, 683
ppl_Octagonal_Shape_float_generalized_affine_-image_lhs_rhs
ppl_Octagonal_Shape_float_tag, 683
ppl_Octagonal_Shape_float_generalized_affine_-preimage
ppl_Octagonal_Shape_float_tag, 683
ppl_Octagonal_Shape_float_generalized_affine_-preimage_lhs_rhs
ppl_Octagonal_Shape_float_tag, 683
ppl_Octagonal_Shape_float_get_congruences
ppl_Octagonal_Shape_float_tag, 678
ppl_Octagonal_Shape_float_get_constraints
ppl_Octagonal_Shape_float_tag, 678
ppl_Octagonal_Shape_float_get_minimized_-congruences
ppl_Octagonal_Shape_float_tag, 678
ppl_Octagonal_Shape_float_get_minimized_-constraints
ppl_Octagonal_Shape_float_tag, 678
ppl_Octagonal_Shape_float_intersection_assign
ppl_Octagonal_Shape_float_tag, 681
ppl_Octagonal_Shape_float_is_bounded
ppl_Octagonal_Shape_float_tag, 678
ppl_Octagonal_Shape_float_is_discrete
ppl_Octagonal_Shape_float_tag, 679
ppl_Octagonal_Shape_float_is_disjoint_from_-Octagonal_Shape_float
ppl_Octagonal_Shape_float_tag, 680
ppl_Octagonal_Shape_float_is_empty
ppl_Octagonal_Shape_float_tag, 678
ppl_Octagonal_Shape_float_is_topologically_-closed
ppl_Octagonal_Shape_float_tag, 679
ppl_Octagonal_Shape_float_is_universe
ppl_Octagonal_Shape_float_tag, 678
ppl_Octagonal_Shape_float_limited_BHMZ05_-extrapolation_assign
ppl_Octagonal_Shape_float_tag, 685
ppl_Octagonal_Shape_float_limited_BHMZ05_-extrapolation_assign_with_tokens
ppl_Octagonal_Shape_float_tag, 685
ppl_Octagonal_Shape_float_limited_CC76_-extrapolation_assign
ppl_Octagonal_Shape_float_tag, 686
ppl_Octagonal_Shape_float_limited_CC76_-extrapolation_assign_with_tokens
ppl_Octagonal_Shape_float_tag, 685
ppl_Octagonal_Shape_float_linear_partition
ppl_Octagonal_Shape_float_tag, 686
ppl_Octagonal_Shape_float_map_space_-dimensions
ppl_Octagonal_Shape_float_tag, 684
ppl_Octagonal_Shape_float_maximize
ppl_Octagonal_Shape_float_tag, 679
ppl_Octagonal_Shape_float_maximize_with_point
ppl_Octagonal_Shape_float_tag, 679
ppl_Octagonal_Shape_float_minimize
ppl_Octagonal_Shape_float_tag, 679
ppl_Octagonal_Shape_float_minimize_with_point
ppl_Octagonal_Shape_float_tag, 680
ppl_Octagonal_Shape_float_OK
ppl_Octagonal_Shape_float_tag, 680
ppl_Octagonal_Shape_float_refine_with_-congruence
ppl_Octagonal_Shape_float_tag, 681
ppl_Octagonal_Shape_float_refine_with_-congruences
ppl_Octagonal_Shape_float_tag, 681
ppl_Octagonal_Shape_float_refine_with_constraint
ppl_Octagonal_Shape_float_tag, 681

ppl_Octagonal_Shape_float_refine_with_-constraints
ppl_Octagonal_Shape_float_tag, 681
ppl_Octagonal_Shape_float_relation_with_-Congruence
ppl_Octagonal_Shape_float_tag, 678
ppl_Octagonal_Shape_float_relation_with_-Constraint
ppl_Octagonal_Shape_float_tag, 677
ppl_Octagonal_Shape_float_relation_with_-Generator
ppl_Octagonal_Shape_float_tag, 678
ppl_Octagonal_Shape_float_remove_higher_-space_dimensions
ppl_Octagonal_Shape_float_tag, 684
ppl_Octagonal_Shape_float_remove_space_-dimensions
ppl_Octagonal_Shape_float_tag, 684
ppl_Octagonal_Shape_float_simplify_using_-context_assign
ppl_Octagonal_Shape_float_tag, 682
ppl_Octagonal_Shape_float_space_dimension
ppl_Octagonal_Shape_float_tag, 677
ppl_Octagonal_Shape_float_strictly_contains_-Octagonal_Shape_float
ppl_Octagonal_Shape_float_tag, 680
ppl_Octagonal_Shape_float_tag, 662
ppl_all_affine_ranking_functions_MS_-Octagonal_Shape_float, 687
ppl_all_affine_ranking_functions_MS_-Octagonal_Shape_float_2, 688
ppl_all_affine_ranking_functions_PR_-Octagonal_Shape_float, 688
ppl_all_affine_ranking_functions_PR_-Octagonal_Shape_float_2, 688
ppl_assign_Octagonal_Shape_float_from_-Octagonal_Shape_float, 687
ppl_delete_Octagonal_Shape_float, 669
ppl_io_asprint_Octagonal_Shape_float, 689
ppl_io_fprint_Octagonal_Shape_float, 689
ppl_io_print_Octagonal_Shape_float, 688
ppl_new_Octagonal_Shape_float_from_BD_-Shape_double, 672
ppl_new_Octagonal_Shape_float_from_-BD_Shape_double_with_complexity, 676
ppl_new_Octagonal_Shape_float_from_BD_-Shape_float, 672
ppl_new_Octagonal_Shape_float_from_BD_-Shape_float_with_complexity, 676
ppl_new_Octagonal_Shape_float_from_BD_-Shape_int16_t, 670
ppl_new_Octagonal_Shape_float_from_-BD_Shape_int16_t_with_complexity, 674
ppl_new_Octagonal_Shape_float_from_BD_-Shape_int32_t, 670
ppl_new_Octagonal_Shape_float_from_-BD_Shape_int32_t_with_complexity, 674
ppl_new_Octagonal_Shape_float_from_BD_-Shape_int64_t, 670
ppl_new_Octagonal_Shape_float_from_-BD_Shape_int64_t_with_complexity, 674
ppl_new_Octagonal_Shape_float_from_BD_-Shape_int8_t, 670
ppl_new_Octagonal_Shape_float_from_-BD_Shape_int8_t_with_complexity, 674
ppl_new_Octagonal_Shape_float_from_BD_-Shape_long_double, 672
ppl_new_Octagonal_Shape_float_from_BD_-Shape_long_double_with_complexity, 677
ppl_new_Octagonal_Shape_float_from_BD_-Shape_mpq_class, 670
ppl_new_Octagonal_Shape_float_from_BD_-Shape_mpq_class_with_complexity, 674
ppl_new_Octagonal_Shape_float_from_BD_-Shape_mpz_class, 670
ppl_new_Octagonal_Shape_float_from_BD_-Shape_mpz_class_with_complexity, 674
ppl_new_Octagonal_Shape_float_from_C_-Polyhedron, 671
ppl_new_Octagonal_Shape_float_from_C_-Polyhedron_with_complexity, 675
ppl_new_Octagonal_Shape_float_from_-Congruence_System, 677
ppl_new_Octagonal_Shape_float_from_-Constraint_System, 677
ppl_new_Octagonal_Shape_float_from_-Double_Box, 672
ppl_new_Octagonal_Shape_float_from_-Double_Box_with_complexity, 676
ppl_new_Octagonal_Shape_float_from_-Float_Box, 672
ppl_new_Octagonal_Shape_float_from_-Float_Box_with_complexity, 676
ppl_new_Octagonal_Shape_float_from_-Generator_System, 677
ppl_new_Octagonal_Shape_float_from_Grid, 671
ppl_new_Octagonal_Shape_float_from_-Grid_with_complexity, 676
ppl_new_Octagonal_Shape_float_from_-

Int16_Box, 669
ppl_new_Octagonal_Shape_float_from_-Int16_Box_with_complexity, 673
ppl_new_Octagonal_Shape_float_from_-Int32_Box, 669
ppl_new_Octagonal_Shape_float_from_-Int32_Box_with_complexity, 673
ppl_new_Octagonal_Shape_float_from_-Int64_Box, 669
ppl_new_Octagonal_Shape_float_from_-Int64_Box_with_complexity, 673
ppl_new_Octagonal_Shape_float_from_Int8_-Box, 669
ppl_new_Octagonal_Shape_float_from_Int8_-Box_with_complexity, 673
ppl_new_Octagonal_Shape_float_from_-Long_Double_Box, 672
ppl_new_Octagonal_Shape_float_from_-Long_Double_Box_with_complexity, 676
ppl_new_Octagonal_Shape_float_from_-NNC_Polyhedron, 671
ppl_new_Octagonal_Shape_float_from_-NNC_Polyhedron_with_complexity, 675
ppl_new_Octagonal_Shape_float_from_-Octagonal_Shape_double, 672
ppl_new_Octagonal_Shape_float_from_-Octagonal_Shape_double_with_-complexity, 676
ppl_new_Octagonal_Shape_float_from_-Octagonal_Shape_float, 672
ppl_new_Octagonal_Shape_float_from_-Octagonal_Shape_float_with_-complexity, 676
ppl_new_Octagonal_Shape_float_from_-Octagonal_Shape_int16_t, 671
ppl_new_Octagonal_Shape_float_from_-Octagonal_Shape_int16_t_with_-complexity, 675
ppl_new_Octagonal_Shape_float_from_-Octagonal_Shape_int32_t, 671
ppl_new_Octagonal_Shape_float_from_-Octagonal_Shape_int32_t_with_-complexity, 675
ppl_new_Octagonal_Shape_float_from_-Octagonal_Shape_int64_t, 671
ppl_new_Octagonal_Shape_float_from_-Octagonal_Shape_int64_t_with_-complexity, 675
ppl_new_Octagonal_Shape_float_from_-Octagonal_Shape_int8_t, 670
ppl_new_Octagonal_Shape_float_from_-Octagonal_Shape_int8_t_with_-complexity, 675
ppl_new_Octagonal_Shape_float_from_-Octagonal_Shape_long_double, 672
ppl_new_Octagonal_Shape_float_from_-Octagonal_Shape_long_double_with_-complexity, 677
ppl_new_Octagonal_Shape_float_from_-Octagonal_Shape_mpq_class, 671
ppl_new_Octagonal_Shape_float_from_-Octagonal_Shape_mpq_class_with_-complexity, 675
ppl_new_Octagonal_Shape_float_from_-Octagonal_Shape_mpz_class, 671
ppl_new_Octagonal_Shape_float_from_-Octagonal_Shape_mpz_class_with_-complexity, 675
ppl_new_Octagonal_Shape_float_from_-Rational_Box, 670
ppl_new_Octagonal_Shape_float_from_-Rational_Box_with_complexity, 674
ppl_new_Octagonal_Shape_float_from_-space_dimension, 669
ppl_new_Octagonal_Shape_float_from_-Uint16_Box, 669
ppl_new_Octagonal_Shape_float_from_-Uint16_Box_with_complexity, 673
ppl_new_Octagonal_Shape_float_from_-Uint32_Box, 669
ppl_new_Octagonal_Shape_float_from_-Uint32_Box_with_complexity, 673
ppl_new_Octagonal_Shape_float_from_-Uint64_Box, 669
ppl_new_Octagonal_Shape_float_from_-Uint64_Box_with_complexity, 673
ppl_new_Octagonal_Shape_float_from_-Uint8_Box, 669
ppl_new_Octagonal_Shape_float_from_-Uint8_Box_with_complexity, 673
ppl_new_Octagonal_Shape_float_from_Z_-Box, 670
ppl_new_Octagonal_Shape_float_from_Z_-Box_with_complexity, 674
ppl_new_Octagonal_Shape_float_recycle_-Congruence_System, 686
ppl_new_Octagonal_Shape_float_recycle_-Constraint_System, 686
ppl_new_Octagonal_Shape_float_recycle_-Generator_System, 687
ppl_Octagonal_Shape_float_add_congruence, 681
ppl_Octagonal_Shape_float_add_-congruences, 681
ppl_Octagonal_Shape_float_add_constraint, 680

ppl_Octagonal_Shape_float_add_constraints, 681
ppl_Octagonal_Shape_float_add_recycled_-congruences, 687
ppl_Octagonal_Shape_float_add_recycled_-constraints, 687
ppl_Octagonal_Shape_float_add_space_-dimensions_and_embed, 683
ppl_Octagonal_Shape_float_add_space_-dimensions_and_project, 684
ppl_Octagonal_Shape_float_affine_-dimension, 677
ppl_Octagonal_Shape_float_affine_image, 682
ppl_Octagonal_Shape_float_affine_preimage, 683
ppl_Octagonal_Shape_float_ascii_dump, 689
ppl_Octagonal_Shape_float_ascii_load, 689
ppl_Octagonal_Shape_float_BHMZ05_-widening_assign, 685
ppl_Octagonal_Shape_float_BHMZ05_-widening_assign_with_tokens, 685
ppl_Octagonal_Shape_float_bounded_affine_-image, 683
ppl_Octagonal_Shape_float_bounded_affine_-preimage, 683
ppl_Octagonal_Shape_float_bounds_from_-above, 679
ppl_Octagonal_Shape_float_bounds_from_-below, 679
ppl_Octagonal_Shape_float_CC76_-extrapolation_assign, 686
ppl_Octagonal_Shape_float_CC76_-extrapolation_assign_with_tokens, 686
ppl_Octagonal_Shape_float_CC76_-narrowing_assign, 686
ppl_Octagonal_Shape_float_concatenate_-assign, 682
ppl_Octagonal_Shape_float_constrains, 682
ppl_Octagonal_Shape_float_contains_-integer_point, 679
ppl_Octagonal_Shape_float_contains_-Octagonal_Shape_float, 680
ppl_Octagonal_Shape_float_difference_-assign, 682
ppl_Octagonal_Shape_float_drop_some_-non_integer_points, 684
ppl_Octagonal_Shape_float_drop_some_-non_integer_points_2, 684
ppl_Octagonal_Shape_float_equals_-Octagonal_Shape_float, 680
ppl_Octagonal_Shape_float_expand_space_-dimension, 684
ppl_Octagonal_Shape_float_external_-memory_in_bytes, 684
ppl_Octagonal_Shape_float_fold_space_-dimensions, 684
ppl_Octagonal_Shape_float_frequency, 680
ppl_Octagonal_Shape_float_generalized_-affine_image, 683
ppl_Octagonal_Shape_float_generalized_-affine_image_lhs_rhs, 683
ppl_Octagonal_Shape_float_generalized_-affine_preimage, 683
ppl_Octagonal_Shape_float_generalized_-affine_preimage_lhs_rhs, 683
ppl_Octagonal_Shape_float_get_congruences, 678
ppl_Octagonal_Shape_float_get_constraints, 678
ppl_Octagonal_Shape_float_get_minimized_-congruences, 678
ppl_Octagonal_Shape_float_get_minimized_-constraints, 678
ppl_Octagonal_Shape_float_intersection_-assign, 681
ppl_Octagonal_Shape_float_is_bounded, 678
ppl_Octagonal_Shape_float_is_discrete, 679
ppl_Octagonal_Shape_float_is_disjoint_-from_Octagonal_Shape_float, 680
ppl_Octagonal_Shape_float_is_empty, 678
ppl_Octagonal_Shape_float_is_-topologically_closed, 679
ppl_Octagonal_Shape_float_is_universe, 678
ppl_Octagonal_Shape_float_limited_-BHMZ05_extrapolation_assign, 685
ppl_Octagonal_Shape_float_limited_-BHMZ05_extrapolation_assign_with_-tokens, 685
ppl_Octagonal_Shape_float_limited_CC76_-extrapolation_assign, 686
ppl_Octagonal_Shape_float_limited_CC76_-extrapolation_assign_with_tokens, 685
ppl_Octagonal_Shape_float_linear_partition, 686
ppl_Octagonal_Shape_float_map_space_-dimensions, 684
ppl_Octagonal_Shape_float_maximize, 679
ppl_Octagonal_Shape_float_maximize_with_-point, 679
ppl_Octagonal_Shape_float_minimize, 679
ppl_Octagonal_Shape_float_minimize_with_-point, 680
ppl_Octagonal_Shape_float_OK, 680
ppl_Octagonal_Shape_float_refine_with_-congruence, 681

ppl_Octagonal_Shape_float_refine_with_-congruences, 681
ppl_Octagonal_Shape_float_refine_with_-constraint, 681
ppl_Octagonal_Shape_float_refine_with_-constraints, 681
ppl_Octagonal_Shape_float_relation_with_-Congruence, 678
ppl_Octagonal_Shape_float_relation_with_-Constraint, 677
ppl_Octagonal_Shape_float_relation_with_-Generator, 678
ppl_Octagonal_Shape_float_remove_higher_-space_dimensions, 684
ppl_Octagonal_Shape_float_remove_space_-dimensions, 684
ppl_Octagonal_Shape_float_simplify_using_-context_assign, 682
ppl_Octagonal_Shape_float_space_-dimension, 677
ppl_Octagonal_Shape_float_strictly_-contains_Octagonal_Shape_float, 680
ppl_Octagonal_Shape_float_time_elapse_-assign, 682
ppl_Octagonal_Shape_float_topological_-closure_assign, 679
ppl_Octagonal_Shape_float_total_memory_-in_bytes, 685
ppl_Octagonal_Shape_float_unconstrain_-space_dimension, 682
ppl_Octagonal_Shape_float_unconstrain_-space_dimensions, 682
ppl_Octagonal_Shape_float_upper_bound_-assign, 681
ppl_Octagonal_Shape_float_upper_bound_-assign_if_exact, 682
ppl_Octagonal_Shape_float_widening_assign, 685
ppl_Octagonal_Shape_float_widening_-assign_with_tokens, 685
ppl_Octagonal_Shape_float_wrap_assign, 686
ppl_one_affine_ranking_function_MS_-Octagonal_Shape_float, 687
ppl_one_affine_ranking_function_MS_-Octagonal_Shape_float_2, 688
ppl_one_affine_ranking_function_PR_-Octagonal_Shape_float, 687
ppl_one_affine_ranking_function_PR_-Octagonal_Shape_float_2, 688
ppl_termination_test_MS_Octagonal_Shape_-float, 687
ppl_termination_test_MS_Octagonal_Shape_-float_2, 688
ppl_termination_test_PR_Octagonal_Shape_-float, 687
ppl_termination_test_PR_Octagonal_Shape_-float_2, 688
ppl_Octagonal_Shape_float_time_elapse_assign
ppl_Octagonal_Shape_float_tag, 682
ppl_Octagonal_Shape_float_topological_closure_-assign
ppl_Octagonal_Shape_float_tag, 679
ppl_Octagonal_Shape_float_total_memory_in_-bytes
ppl_Octagonal_Shape_float_tag, 685
ppl_Octagonal_Shape_float_unconstrain_space_-dimension
ppl_Octagonal_Shape_float_tag, 682
ppl_Octagonal_Shape_float_unconstrain_space_-dimensions
ppl_Octagonal_Shape_float_tag, 682
ppl_Octagonal_Shape_float_upper_bound_assign
ppl_Octagonal_Shape_float_tag, 681
ppl_Octagonal_Shape_float_upper_bound_assign_-if_exact
ppl_Octagonal_Shape_float_tag, 682
ppl_Octagonal_Shape_float_widening_assign
ppl_Octagonal_Shape_float_tag, 685
ppl_Octagonal_Shape_float_widening_assign_-with_tokens
ppl_Octagonal_Shape_float_tag, 685
ppl_Octagonal_Shape_float_wrap_assign
ppl_Octagonal_Shape_float_tag, 686
ppl_Octagonal_Shape_int16_t_add_congruence
ppl_Octagonal_Shape_int16_t_tag, 709
ppl_Octagonal_Shape_int16_t_add_congruences
ppl_Octagonal_Shape_int16_t_tag, 709
ppl_Octagonal_Shape_int16_t_add_constraint
ppl_Octagonal_Shape_int16_t_tag, 709
ppl_Octagonal_Shape_int16_t_add_constraints
ppl_Octagonal_Shape_int16_t_tag, 709
ppl_Octagonal_Shape_int16_t_add_recycled_-congruences
ppl_Octagonal_Shape_int16_t_tag, 715
ppl_Octagonal_Shape_int16_t_add_recycled_-constraints
ppl_Octagonal_Shape_int16_t_tag, 715
ppl_Octagonal_Shape_int16_t_add_space_-dimensions_and_embed
ppl_Octagonal_Shape_int16_t_tag, 712
ppl_Octagonal_Shape_int16_t_add_space_-dimensions_and_project
ppl_Octagonal_Shape_int16_t_tag, 712
ppl_Octagonal_Shape_int16_t_affine_dimension
ppl_Octagonal_Shape_int16_t_tag, 705
ppl_Octagonal_Shape_int16_t_affine_image
ppl_Octagonal_Shape_int16_t_tag, 711

ppl_Octagonal_Shape_int16_t_affine_preimage
ppl_Octagonal_Shape_int16_t_tag, 711
ppl_Octagonal_Shape_int16_t_ascii_dump
ppl_Octagonal_Shape_int16_t_tag, 717
ppl_Octagonal_Shape_int16_t_ascii_load
ppl_Octagonal_Shape_int16_t_tag, 717
ppl_Octagonal_Shape_int16_t_BHMZ05_-
widening_assign
ppl_Octagonal_Shape_int16_t_tag, 713
ppl_Octagonal_Shape_int16_t_BHMZ05_-
widening_assign_with_tokens
ppl_Octagonal_Shape_int16_t_tag, 713
ppl_Octagonal_Shape_int16_t_bounded_affine_-
image
ppl_Octagonal_Shape_int16_t_tag, 711
ppl_Octagonal_Shape_int16_t_bounded_affine_-
preimage
ppl_Octagonal_Shape_int16_t_tag, 711
ppl_Octagonal_Shape_int16_t_bounds_from_-
above
ppl_Octagonal_Shape_int16_t_tag, 707
ppl_Octagonal_Shape_int16_t_bounds_from_-
below
ppl_Octagonal_Shape_int16_t_tag, 707
ppl_Octagonal_Shape_int16_t_CC76_-
extrapolation_assign
ppl_Octagonal_Shape_int16_t_tag, 714
ppl_Octagonal_Shape_int16_t_CC76_-
extrapolation_assign_with_tokens
ppl_Octagonal_Shape_int16_t_tag, 714
ppl_Octagonal_Shape_int16_t_CC76_narrowing_-
assign
ppl_Octagonal_Shape_int16_t_tag, 714
ppl_Octagonal_Shape_int16_t_concatenate_assign
ppl_Octagonal_Shape_int16_t_tag, 710
ppl_Octagonal_Shape_int16_t_constrains
ppl_Octagonal_Shape_int16_t_tag, 710
ppl_Octagonal_Shape_int16_t_contains_integer_-
point
ppl_Octagonal_Shape_int16_t_tag, 707
ppl_Octagonal_Shape_int16_t_contains_-
Octagonal_Shape_int16_t
ppl_Octagonal_Shape_int16_t_tag, 708
ppl_Octagonal_Shape_int16_t_difference_assign
ppl_Octagonal_Shape_int16_t_tag, 710
ppl_Octagonal_Shape_int16_t_drop_some_non_-
integer_points
ppl_Octagonal_Shape_int16_t_tag, 712
ppl_Octagonal_Shape_int16_t_drop_some_non_-
integer_points_2
ppl_Octagonal_Shape_int16_t_tag, 713
ppl_Octagonal_Shape_int16_t_equals_Octagonal_-
Shape_int16_t
ppl_Octagonal_Shape_int16_t_tag, 708
ppl_Octagonal_Shape_int16_t_expand_space_-
dimension
ppl_Octagonal_Shape_int16_t_tag, 712
ppl_Octagonal_Shape_int16_t_external_memory_-
in_bytes
ppl_Octagonal_Shape_int16_t_tag, 713
ppl_Octagonal_Shape_int16_t_fold_space_-
dimensions
ppl_Octagonal_Shape_int16_t_tag, 712
ppl_Octagonal_Shape_int16_t_frequency
ppl_Octagonal_Shape_int16_t_tag, 708
ppl_Octagonal_Shape_int16_t_generalized_-
affine_image
ppl_Octagonal_Shape_int16_t_tag, 711
ppl_Octagonal_Shape_int16_t_generalized_-
affine_image_lhs_rhs
ppl_Octagonal_Shape_int16_t_tag, 711
ppl_Octagonal_Shape_int16_t_generalized_-
affine_preimage
ppl_Octagonal_Shape_int16_t_tag, 711
ppl_Octagonal_Shape_int16_t_generalized_-
affine_preimage_lhs_rhs
ppl_Octagonal_Shape_int16_t_tag, 711
ppl_Octagonal_Shape_int16_t_get_congruences
ppl_Octagonal_Shape_int16_t_tag, 706
ppl_Octagonal_Shape_int16_t_get_constraints
ppl_Octagonal_Shape_int16_t_tag, 706
ppl_Octagonal_Shape_int16_t_get_minimized_-
congruences
ppl_Octagonal_Shape_int16_t_tag, 706
ppl_Octagonal_Shape_int16_t_get_minimized_-
constraints
ppl_Octagonal_Shape_int16_t_tag, 706
ppl_Octagonal_Shape_int16_t_intersection_assign
ppl_Octagonal_Shape_int16_t_tag, 709
ppl_Octagonal_Shape_int16_t_is_bounded
ppl_Octagonal_Shape_int16_t_tag, 707
ppl_Octagonal_Shape_int16_t_is_discrete
ppl_Octagonal_Shape_int16_t_tag, 707
ppl_Octagonal_Shape_int16_t_is_disjoint_from_-
Octagonal_Shape_int16_t
ppl_Octagonal_Shape_int16_t_tag, 708
ppl_Octagonal_Shape_int16_t_is_empty
ppl_Octagonal_Shape_int16_t_tag, 706
ppl_Octagonal_Shape_int16_t_is_topologically_-
closed
ppl_Octagonal_Shape_int16_t_tag, 707
ppl_Octagonal_Shape_int16_t_is_universe
ppl_Octagonal_Shape_int16_t_tag, 706
ppl_Octagonal_Shape_int16_t_limited_BHMZ05_-
extrapolation_assign
ppl_Octagonal_Shape_int16_t_tag, 714
ppl_Octagonal_Shape_int16_t_limited_BHMZ05_-
extrapolation_assign_with_tokens

ppl_Octagonal_Shape_int16_t_tag, 713
ppl_Octagonal_Shape_int16_t_limited_CC76_-extrapolation_assign
ppl_Octagonal_Shape_int16_t_tag, 714
ppl_Octagonal_Shape_int16_t_limited_CC76_-extrapolation_assign_with_tokens
ppl_Octagonal_Shape_int16_t_tag, 714
ppl_Octagonal_Shape_int16_t_linear_partition
ppl_Octagonal_Shape_int16_t_tag, 714
ppl_Octagonal_Shape_int16_t_map_space_-dimensions
ppl_Octagonal_Shape_int16_t_tag, 712
ppl_Octagonal_Shape_int16_t_maximize
ppl_Octagonal_Shape_int16_t_tag, 707
ppl_Octagonal_Shape_int16_t_maximize_with_-point
ppl_Octagonal_Shape_int16_t_tag, 708
ppl_Octagonal_Shape_int16_t_minimize
ppl_Octagonal_Shape_int16_t_tag, 707
ppl_Octagonal_Shape_int16_t_minimize_with_-point
ppl_Octagonal_Shape_int16_t_tag, 708
ppl_Octagonal_Shape_int16_t_OK
ppl_Octagonal_Shape_int16_t_tag, 708
ppl_Octagonal_Shape_int16_t_refine_with_-congruence
ppl_Octagonal_Shape_int16_t_tag, 709
ppl_Octagonal_Shape_int16_t_refine_with_-congruences
ppl_Octagonal_Shape_int16_t_tag, 709
ppl_Octagonal_Shape_int16_t_refine_with_-constraint
ppl_Octagonal_Shape_int16_t_tag, 709
ppl_Octagonal_Shape_int16_t_refine_with_-constraints
ppl_Octagonal_Shape_int16_t_tag, 709
ppl_Octagonal_Shape_int16_t_relation_with_-Congruence
ppl_Octagonal_Shape_int16_t_tag, 706
ppl_Octagonal_Shape_int16_t_relation_with_-Constraint
ppl_Octagonal_Shape_int16_t_tag, 706
ppl_Octagonal_Shape_int16_t_relation_with_-Generator
ppl_Octagonal_Shape_int16_t_tag, 706
ppl_Octagonal_Shape_int16_t_remove_higher_-space_dimensions
ppl_Octagonal_Shape_int16_t_tag, 712
ppl_Octagonal_Shape_int16_t_remove_space_-dimensions
ppl_Octagonal_Shape_int16_t_tag, 712
ppl_Octagonal_Shape_int16_t_simplify_using_-context_assign
ppl_Octagonal_Shape_int16_t_tag, 710
ppl_Octagonal_Shape_int16_t_space_dimension
ppl_Octagonal_Shape_int16_t_tag, 705
ppl_Octagonal_Shape_int16_t_strictly_contains_-Octagonal_Shape_int16_t
ppl_Octagonal_Shape_int16_t_tag, 708
ppl_Octagonal_Shape_int16_t_tag, 689
ppl_all_affine_ranking_functions_MS_-Octagonal_Shape_int16_t, 716
ppl_all_affine_ranking_functions_MS_-Octagonal_Shape_int16_t_2, 716
ppl_all_affine_ranking_functions_PR_-Octagonal_Shape_int16_t, 716
ppl_all_affine_ranking_functions_PR_-Octagonal_Shape_int16_t_2, 717
ppl_assign_Octagonal_Shape_int16_t_from_-Octagonal_Shape_int16_t, 715
ppl_delete_Octagonal_Shape_int16_t, 696
ppl_io_asprint_Octagonal_Shape_int16_t, 717
ppl_io_fprint_Octagonal_Shape_int16_t, 717
ppl_io_print_Octagonal_Shape_int16_t, 717
ppl_new_Octagonal_Shape_int16_t_from_-BD_Shape_double, 700
ppl_new_Octagonal_Shape_int16_t_from_-BD_Shape_double_with_complexity, 704
ppl_new_Octagonal_Shape_int16_t_from_-BD_Shape_float, 700
ppl_new_Octagonal_Shape_int16_t_from_-BD_Shape_float_with_complexity, 704
ppl_new_Octagonal_Shape_int16_t_from_-BD_Shape_int16_t, 698
ppl_new_Octagonal_Shape_int16_t_from_-BD_Shape_int16_t_with_complexity, 702
ppl_new_Octagonal_Shape_int16_t_from_-BD_Shape_int32_t, 698
ppl_new_Octagonal_Shape_int16_t_from_-BD_Shape_int32_t_with_complexity, 702
ppl_new_Octagonal_Shape_int16_t_from_-BD_Shape_int64_t, 698
ppl_new_Octagonal_Shape_int16_t_from_-BD_Shape_int64_t_with_complexity, 702
ppl_new_Octagonal_Shape_int16_t_from_-BD_Shape_int8_t, 698
ppl_new_Octagonal_Shape_int16_t_from_-BD_Shape_int8_t_with_complexity, 702
ppl_new_Octagonal_Shape_int16_t_from_-BD_Shape_long_double, 700
ppl_new_Octagonal_Shape_int16_t_-from_BD_Shape_long_double_with_-complexity, 705

ppl_new_Octagonal_Shape_int16_t_from_-BD_Shape_mpq_class, 698
ppl_new_Octagonal_Shape_int16_t_from_-BD_Shape_mpq_class_with_complexity, 703
ppl_new_Octagonal_Shape_int16_t_from_-BD_Shape_mpz_class, 698
ppl_new_Octagonal_Shape_int16_t_from_-BD_Shape_mpz_class_with_complexity, 702
ppl_new_Octagonal_Shape_int16_t_from_-C_Polyhedron, 699
ppl_new_Octagonal_Shape_int16_t_from_-C_Polyhedron_with_complexity, 703
ppl_new_Octagonal_Shape_int16_t_from_-Congruence_System, 705
ppl_new_Octagonal_Shape_int16_t_from_-Constraint_System, 705
ppl_new_Octagonal_Shape_int16_t_from_-Double_Box, 700
ppl_new_Octagonal_Shape_int16_t_from_-Double_Box_with_complexity, 704
ppl_new_Octagonal_Shape_int16_t_from_-Float_Box, 700
ppl_new_Octagonal_Shape_int16_t_from_-Float_Box_with_complexity, 704
ppl_new_Octagonal_Shape_int16_t_from_-Generator_System, 705
ppl_new_Octagonal_Shape_int16_t_from_-Grid, 699
ppl_new_Octagonal_Shape_int16_t_from_-Grid_with_complexity, 704
ppl_new_Octagonal_Shape_int16_t_from_-Int16_Box, 697
ppl_new_Octagonal_Shape_int16_t_from_-Int16_Box_with_complexity, 701
ppl_new_Octagonal_Shape_int16_t_from_-Int32_Box, 697
ppl_new_Octagonal_Shape_int16_t_from_-Int32_Box_with_complexity, 701
ppl_new_Octagonal_Shape_int16_t_from_-Int64_Box, 697
ppl_new_Octagonal_Shape_int16_t_from_-Int64_Box_with_complexity, 701
ppl_new_Octagonal_Shape_int16_t_from_-Int8_Box, 697
ppl_new_Octagonal_Shape_int16_t_from_-Int8_Box_with_complexity, 701
ppl_new_Octagonal_Shape_int16_t_from_-Long_Double_Box, 700
ppl_new_Octagonal_Shape_int16_t_from_-Long_Double_Box_with_complexity, 705
ppl_new_Octagonal_Shape_int16_t_from_-NNC_Polyhedron, 699
ppl_new_Octagonal_Shape_int16_t_from_-NNC_Polyhedron_with_complexity, 704
ppl_new_Octagonal_Shape_int16_t_from_-Octagonal_Shape_double, 700
ppl_new_Octagonal_Shape_int16_t_from_-Octagonal_Shape_double_with_-complexity, 704
ppl_new_Octagonal_Shape_int16_t_from_-Octagonal_Shape_float, 700
ppl_new_Octagonal_Shape_int16_t_-from_Octagonal_Shape_float_with_-complexity, 704
ppl_new_Octagonal_Shape_int16_t_from_-Octagonal_Shape_int16_t, 699
ppl_new_Octagonal_Shape_int16_t_from_-Octagonal_Shape_int16_t_with_-complexity, 703
ppl_new_Octagonal_Shape_int16_t_from_-Octagonal_Shape_int32_t, 699
ppl_new_Octagonal_Shape_int16_t_from_-Octagonal_Shape_int32_t_with_-complexity, 703
ppl_new_Octagonal_Shape_int16_t_from_-Octagonal_Shape_int64_t, 699
ppl_new_Octagonal_Shape_int16_t_from_-Octagonal_Shape_int64_t_with_-complexity, 703
ppl_new_Octagonal_Shape_int16_t_from_-Octagonal_Shape_int8_t, 698
ppl_new_Octagonal_Shape_int16_t_-from_Octagonal_Shape_int8_t_with_-complexity, 703
ppl_new_Octagonal_Shape_int16_t_from_-Octagonal_Shape_long_double, 701
ppl_new_Octagonal_Shape_int16_t_from_-Octagonal_Shape_long_double_with_-complexity, 705
ppl_new_Octagonal_Shape_int16_t_from_-Octagonal_Shape_mpq_class, 699
ppl_new_Octagonal_Shape_int16_t_from_-Octagonal_Shape_mpq_class_with_-complexity, 703
ppl_new_Octagonal_Shape_int16_t_from_-Octagonal_Shape_mpz_class, 699
ppl_new_Octagonal_Shape_int16_t_from_-Octagonal_Shape_mpz_class_with_-complexity, 703
ppl_new_Octagonal_Shape_int16_t_from_-Rational_Box, 698
ppl_new_Octagonal_Shape_int16_t_from_-Rational_Box_with_complexity, 702
ppl_new_Octagonal_Shape_int16_t_from_-

space_dimension, 696
ppl_new_Octagonal_Shape_int16_t_from_-Uint16_Box, 697
ppl_new_Octagonal_Shape_int16_t_from_-Uint16_Box_with_complexity, 701
ppl_new_Octagonal_Shape_int16_t_from_-Uint32_Box, 697
ppl_new_Octagonal_Shape_int16_t_from_-Uint32_Box_with_complexity, 701
ppl_new_Octagonal_Shape_int16_t_from_-Uint64_Box, 697
ppl_new_Octagonal_Shape_int16_t_from_-Uint64_Box_with_complexity, 702
ppl_new_Octagonal_Shape_int16_t_from_-Uint8_Box, 697
ppl_new_Octagonal_Shape_int16_t_from_-Uint8_Box_with_complexity, 701
ppl_new_Octagonal_Shape_int16_t_from_Z_-Box, 697
ppl_new_Octagonal_Shape_int16_t_from_Z_-Box_with_complexity, 702
ppl_new_Octagonal_Shape_int16_t_recycle_-Congruence_System, 715
ppl_new_Octagonal_Shape_int16_t_recycle_-Constraint_System, 715
ppl_new_Octagonal_Shape_int16_t_recycle_-Generator_System, 715
ppl_Octagonal_Shape_int16_t_add_-congruence, 709
ppl_Octagonal_Shape_int16_t_add_-congruences, 709
ppl_Octagonal_Shape_int16_t_add_-constraint, 709
ppl_Octagonal_Shape_int16_t_add_-constraints, 709
ppl_Octagonal_Shape_int16_t_add_-recycled_congruences, 715
ppl_Octagonal_Shape_int16_t_add_-recycled_constraints, 715
ppl_Octagonal_Shape_int16_t_add_space_-dimensions_and_embed, 712
ppl_Octagonal_Shape_int16_t_add_space_-dimensions_and_project, 712
ppl_Octagonal_Shape_int16_t_affine_-dimension, 705
ppl_Octagonal_Shape_int16_t_affine_image, 711
ppl_Octagonal_Shape_int16_t_affine_-preimage, 711
ppl_Octagonal_Shape_int16_t_ascii_dump, 717
ppl_Octagonal_Shape_int16_t_ascii_load, 717
ppl_Octagonal_Shape_int16_t_BHMZ05_-widening_assign, 713
ppl_Octagonal_Shape_int16_t_BHMZ05_-widening_assign_with_tokens, 713
ppl_Octagonal_Shape_int16_t_bounded_-affine_image, 711
ppl_Octagonal_Shape_int16_t_bounded_-affine_preimage, 711
ppl_Octagonal_Shape_int16_t_bounds_-from_above, 707
ppl_Octagonal_Shape_int16_t_bounds_-from_below, 707
ppl_Octagonal_Shape_int16_t_CC76_-extrapolation_assign, 714
ppl_Octagonal_Shape_int16_t_CC76_-extrapolation_assign_with_tokens, 714
ppl_Octagonal_Shape_int16_t_CC76_-narrowing_assign, 714
ppl_Octagonal_Shape_int16_t_concatenate_-assign, 710
ppl_Octagonal_Shape_int16_t_constrains, 710
ppl_Octagonal_Shape_int16_t_contains_-integer_point, 707
ppl_Octagonal_Shape_int16_t_contains_-Octagonal_Shape_int16_t, 708
ppl_Octagonal_Shape_int16_t_difference_-assign, 710
ppl_Octagonal_Shape_int16_t_drop_some_-non_integer_points, 712
ppl_Octagonal_Shape_int16_t_drop_some_-non_integer_points_2, 713
ppl_Octagonal_Shape_int16_t_equals_-Octagonal_Shape_int16_t, 708
ppl_Octagonal_Shape_int16_t_expand_-space_dimension, 712
ppl_Octagonal_Shape_int16_t_external_-memory_in_bytes, 713
ppl_Octagonal_Shape_int16_t_fold_space_-dimensions, 712
ppl_Octagonal_Shape_int16_t_frequency, 708
ppl_Octagonal_Shape_int16_t_generalized_-affine_image, 711
ppl_Octagonal_Shape_int16_t_generalized_-affine_image_lhs_rhs, 711
ppl_Octagonal_Shape_int16_t_generalized_-affine_preimage, 711
ppl_Octagonal_Shape_int16_t_generalized_-affine_preimage_lhs_rhs, 711
ppl_Octagonal_Shape_int16_t_get_-congruences, 706
ppl_Octagonal_Shape_int16_t_get_-constraints, 706
ppl_Octagonal_Shape_int16_t_get_-minimized_congruences, 706
ppl_Octagonal_Shape_int16_t_get_-minimized_constraints, 706

ppl_Octagonal_Shape_int16_t_intersection_-assign, 709
ppl_Octagonal_Shape_int16_t_is_bounded, 707
ppl_Octagonal_Shape_int16_t_is_discrete, 707
ppl_Octagonal_Shape_int16_t_is_disjoint_-from_Octagonal_Shape_int16_t, 708
ppl_Octagonal_Shape_int16_t_is_empty, 706
ppl_Octagonal_Shape_int16_t_is_-topologically_closed, 707
ppl_Octagonal_Shape_int16_t_is_universe, 706
ppl_Octagonal_Shape_int16_t_limited_-BHMZ05_extrapolation_assign, 714
ppl_Octagonal_Shape_int16_t_limited_-BHMZ05_extrapolation_assign_with_-tokens, 713
ppl_Octagonal_Shape_int16_t_limited_-CC76_extrapolation_assign, 714
ppl_Octagonal_Shape_int16_t_limited_-CC76_extrapolation_assign_with_tokens, 714
ppl_Octagonal_Shape_int16_t_linear_-partition, 714
ppl_Octagonal_Shape_int16_t_map_space_-dimensions, 712
ppl_Octagonal_Shape_int16_t_maximize, 707
ppl_Octagonal_Shape_int16_t_maximize_-with_point, 708
ppl_Octagonal_Shape_int16_t_minimize, 707
ppl_Octagonal_Shape_int16_t_minimize_-with_point, 708
ppl_Octagonal_Shape_int16_t_OK, 708
ppl_Octagonal_Shape_int16_t_refine_with_-congruence, 709
ppl_Octagonal_Shape_int16_t_refine_with_-congruences, 709
ppl_Octagonal_Shape_int16_t_refine_with_-constraint, 709
ppl_Octagonal_Shape_int16_t_refine_with_-constraints, 709
ppl_Octagonal_Shape_int16_t_relation_-with_Congruence, 706
ppl_Octagonal_Shape_int16_t_relation_-with_Constraint, 706
ppl_Octagonal_Shape_int16_t_relation_-with_Generator, 706
ppl_Octagonal_Shape_int16_t_remove_-higher_space_dimensions, 712
ppl_Octagonal_Shape_int16_t_remove_-space_dimensions, 712
ppl_Octagonal_Shape_int16_t_simplify_-using_context_assign, 710
ppl_Octagonal_Shape_int16_t_space_-dimension, 705
ppl_Octagonal_Shape_int16_t_strictly_-contains_Octagonal_Shape_int16_t, 708
ppl_Octagonal_Shape_int16_t_time_elapse_-assign, 710
ppl_Octagonal_Shape_int16_t_topological_-closure_assign, 707
ppl_Octagonal_Shape_int16_t_total_-memory_in_bytes, 713
ppl_Octagonal_Shape_int16_t_unconstrain_-space_dimension, 710
ppl_Octagonal_Shape_int16_t_unconstrain_-space_dimensions, 710
ppl_Octagonal_Shape_int16_t_upper_-bound_assign, 710
ppl_Octagonal_Shape_int16_t_upper_-bound_assign_if_exact, 710
ppl_Octagonal_Shape_int16_t_widening_-assign, 713
ppl_Octagonal_Shape_int16_t_widening_-assign_with_tokens, 713
ppl_Octagonal_Shape_int16_t_wrap_assign, 714
ppl_one_affine_ranking_function_MS_-Octagonal_Shape_int16_t, 715
ppl_one_affine_ranking_function_MS_-Octagonal_Shape_int16_t_2, 716
ppl_one_affine_ranking_function_PR_-Octagonal_Shape_int16_t, 716
ppl_one_affine_ranking_function_PR_-Octagonal_Shape_int16_t_2, 716
ppl_termination_test_MS_Octagonal_Shape_-int16_t, 715
ppl_termination_test_MS_Octagonal_Shape_-int16_t_2, 716
ppl_termination_test_PR_Octagonal_Shape_-int16_t, 715
ppl_termination_test_PR_Octagonal_Shape_-int16_t_2, 716
ppl_Octagonal_Shape_int16_t_time_elapse_assign
ppl_Octagonal_Shape_int16_t_tag, 710
ppl_Octagonal_Shape_int16_t_topological_-closure_assign
ppl_Octagonal_Shape_int16_t_tag, 707
ppl_Octagonal_Shape_int16_t_total_memory_in_-bytes
ppl_Octagonal_Shape_int16_t_tag, 713
ppl_Octagonal_Shape_int16_t_unconstrain_-space_dimension
ppl_Octagonal_Shape_int16_t_tag, 710
ppl_Octagonal_Shape_int16_t_unconstrain_-space_dimensions

ppl_Octagonal_Shape_int16_t_tag, 710
ppl_Octagonal_Shape_int16_t_upper_bound_-assign
ppl_Octagonal_Shape_int16_t_tag, 710
ppl_Octagonal_Shape_int16_t_upper_bound_-assign_if_exact
ppl_Octagonal_Shape_int16_t_tag, 710
ppl_Octagonal_Shape_int16_t_widening_assign
ppl_Octagonal_Shape_int16_t_tag, 713
ppl_Octagonal_Shape_int16_t_widening_assign_-with_tokens
ppl_Octagonal_Shape_int16_t_tag, 713
ppl_Octagonal_Shape_int16_t_wrap_assign
ppl_Octagonal_Shape_int16_t_tag, 714
ppl_Octagonal_Shape_int32_t_add_congruence
ppl_Octagonal_Shape_int32_t_tag, 737
ppl_Octagonal_Shape_int32_t_add_congruences
ppl_Octagonal_Shape_int32_t_tag, 737
ppl_Octagonal_Shape_int32_t_add_constraint
ppl_Octagonal_Shape_int32_t_tag, 737
ppl_Octagonal_Shape_int32_t_add_constraints
ppl_Octagonal_Shape_int32_t_tag, 737
ppl_Octagonal_Shape_int32_t_add_recycled_-congruences
ppl_Octagonal_Shape_int32_t_tag, 744
ppl_Octagonal_Shape_int32_t_add_recycled_-constraints
ppl_Octagonal_Shape_int32_t_tag, 743
ppl_Octagonal_Shape_int32_t_add_space_-dimensions_and_embed
ppl_Octagonal_Shape_int32_t_tag, 740
ppl_Octagonal_Shape_int32_t_add_space_-dimensions_and_project
ppl_Octagonal_Shape_int32_t_tag, 740
ppl_Octagonal_Shape_int32_t_affine_dimension
ppl_Octagonal_Shape_int32_t_tag, 734
ppl_Octagonal_Shape_int32_t_affine_image
ppl_Octagonal_Shape_int32_t_tag, 739
ppl_Octagonal_Shape_int32_t_affine_preimage
ppl_Octagonal_Shape_int32_t_tag, 739
ppl_Octagonal_Shape_int32_t_ascii_dump
ppl_Octagonal_Shape_int32_t_tag, 745
ppl_Octagonal_Shape_int32_t_ascii_load
ppl_Octagonal_Shape_int32_t_tag, 746
ppl_Octagonal_Shape_int32_t_BHMZ05_-widening_assign
ppl_Octagonal_Shape_int32_t_tag, 741
ppl_Octagonal_Shape_int32_t_BHMZ05_-widening_assign_with_tokens
ppl_Octagonal_Shape_int32_t_tag, 741
ppl_Octagonal_Shape_int32_t_bounded_affine_-image
ppl_Octagonal_Shape_int32_t_tag, 739
ppl_Octagonal_Shape_int32_t_bounded_affine_-preimage
ppl_Octagonal_Shape_int32_t_tag, 739
ppl_Octagonal_Shape_int32_t_bounds_from_-above
ppl_Octagonal_Shape_int32_t_tag, 735
ppl_Octagonal_Shape_int32_t_bounds_from_-below
ppl_Octagonal_Shape_int32_t_tag, 735
ppl_Octagonal_Shape_int32_t_CC76_-extrapolation_assign
ppl_Octagonal_Shape_int32_t_tag, 742
ppl_Octagonal_Shape_int32_t_CC76_-extrapolation_assign_with_tokens
ppl_Octagonal_Shape_int32_t_tag, 742
ppl_Octagonal_Shape_int32_t_CC76_narrowing_-assign
ppl_Octagonal_Shape_int32_t_tag, 743
ppl_Octagonal_Shape_int32_t_concatenate_assign
ppl_Octagonal_Shape_int32_t_tag, 738
ppl_Octagonal_Shape_int32_t_constrains
ppl_Octagonal_Shape_int32_t_tag, 739
ppl_Octagonal_Shape_int32_t_contains_integer_-point
ppl_Octagonal_Shape_int32_t_tag, 735
ppl_Octagonal_Shape_int32_t_contains_-Octagonal_Shape_int32_t
ppl_Octagonal_Shape_int32_t_tag, 736
ppl_Octagonal_Shape_int32_t_difference_assign
ppl_Octagonal_Shape_int32_t_tag, 738
ppl_Octagonal_Shape_int32_t_drop_some_non_-integer_points
ppl_Octagonal_Shape_int32_t_tag, 741
ppl_Octagonal_Shape_int32_t_drop_some_non_-integer_points_2
ppl_Octagonal_Shape_int32_t_tag, 741
ppl_Octagonal_Shape_int32_t_equals_Octagonal_-Shape_int32_t
ppl_Octagonal_Shape_int32_t_tag, 737
ppl_Octagonal_Shape_int32_t_expand_space_-dimension
ppl_Octagonal_Shape_int32_t_tag, 740
ppl_Octagonal_Shape_int32_t_external_memory_-in_bytes
ppl_Octagonal_Shape_int32_t_tag, 741
ppl_Octagonal_Shape_int32_t_fold_space_-dimensions
ppl_Octagonal_Shape_int32_t_tag, 741
ppl_Octagonal_Shape_int32_t_frequency
ppl_Octagonal_Shape_int32_t_tag, 736
ppl_Octagonal_Shape_int32_t_generalized_-affine_image
ppl_Octagonal_Shape_int32_t_tag, 739

ppl_Octagonal_Shape_int32_t_generalized_-affine_image_lhs_rhs
ppl_Octagonal_Shape_int32_t_tag, 740
ppl_Octagonal_Shape_int32_t_generalized_-affine_preimage
ppl_Octagonal_Shape_int32_t_tag, 740
ppl_Octagonal_Shape_int32_t_generalized_-affine_preimage_lhs_rhs
ppl_Octagonal_Shape_int32_t_tag, 740
ppl_Octagonal_Shape_int32_t_get_congruences
ppl_Octagonal_Shape_int32_t_tag, 734
ppl_Octagonal_Shape_int32_t_get_constraints
ppl_Octagonal_Shape_int32_t_tag, 734
ppl_Octagonal_Shape_int32_t_get_minimized_-congruences
ppl_Octagonal_Shape_int32_t_tag, 734
ppl_Octagonal_Shape_int32_t_get_minimized_-constraints
ppl_Octagonal_Shape_int32_t_tag, 734
ppl_Octagonal_Shape_int32_t_intersection_assign
ppl_Octagonal_Shape_int32_t_tag, 738
ppl_Octagonal_Shape_int32_t_is_bounded
ppl_Octagonal_Shape_int32_t_tag, 735
ppl_Octagonal_Shape_int32_t_is_discrete
ppl_Octagonal_Shape_int32_t_tag, 735
ppl_Octagonal_Shape_int32_t_is_disjoint_from_-Octagonal_Shape_int32_t
ppl_Octagonal_Shape_int32_t_tag, 736
ppl_Octagonal_Shape_int32_t_is_empty
ppl_Octagonal_Shape_int32_t_tag, 735
ppl_Octagonal_Shape_int32_t_is_topologically_-closed
ppl_Octagonal_Shape_int32_t_tag, 735
ppl_Octagonal_Shape_int32_t_is_universe
ppl_Octagonal_Shape_int32_t_tag, 735
ppl_Octagonal_Shape_int32_t_limited_BHMZ05_-extrapolation_assign
ppl_Octagonal_Shape_int32_t_tag, 742
ppl_Octagonal_Shape_int32_t_limited_BHMZ05_-extrapolation_assign_with_tokens
ppl_Octagonal_Shape_int32_t_tag, 742
ppl_Octagonal_Shape_int32_t_limited_CC76_-extrapolation_assign
ppl_Octagonal_Shape_int32_t_tag, 742
ppl_Octagonal_Shape_int32_t_limited_CC76_-extrapolation_assign_with_tokens
ppl_Octagonal_Shape_int32_t_tag, 742
ppl_Octagonal_Shape_int32_t_linear_partition
ppl_Octagonal_Shape_int32_t_tag, 743
ppl_Octagonal_Shape_int32_t_map_space_-dimensions
ppl_Octagonal_Shape_int32_t_tag, 741
ppl_Octagonal_Shape_int32_t_maximize
ppl_Octagonal_Shape_int32_t_tag, 736
ppl_Octagonal_Shape_int32_t_maximize_with_-point
ppl_Octagonal_Shape_int32_t_tag, 736
ppl_Octagonal_Shape_int32_t_minimize
ppl_Octagonal_Shape_int32_t_tag, 736
ppl_Octagonal_Shape_int32_t_minimize_with_-point
ppl_Octagonal_Shape_int32_t_tag, 736
ppl_Octagonal_Shape_int32_t_OK
ppl_Octagonal_Shape_int32_t_tag, 737
ppl_Octagonal_Shape_int32_t_refine_with_-congruence
ppl_Octagonal_Shape_int32_t_tag, 737
ppl_Octagonal_Shape_int32_t_refine_with_-congruences
ppl_Octagonal_Shape_int32_t_tag, 738
ppl_Octagonal_Shape_int32_t_refine_with_-constraint
ppl_Octagonal_Shape_int32_t_tag, 737
ppl_Octagonal_Shape_int32_t_refine_with_-constraints
ppl_Octagonal_Shape_int32_t_tag, 737
ppl_Octagonal_Shape_int32_t_relation_with_-Congruence
ppl_Octagonal_Shape_int32_t_tag, 734
ppl_Octagonal_Shape_int32_t_relation_with_-Constraint
ppl_Octagonal_Shape_int32_t_tag, 734
ppl_Octagonal_Shape_int32_t_relation_with_-Generator
ppl_Octagonal_Shape_int32_t_tag, 734
ppl_Octagonal_Shape_int32_t_remove_higher_-space_dimensions
ppl_Octagonal_Shape_int32_t_tag, 740
ppl_Octagonal_Shape_int32_t_remove_space_-dimensions
ppl_Octagonal_Shape_int32_t_tag, 740
ppl_Octagonal_Shape_int32_t_simplify_using_-context_assign
ppl_Octagonal_Shape_int32_t_tag, 738
ppl_Octagonal_Shape_int32_t_space_dimension
ppl_Octagonal_Shape_int32_t_tag, 734
ppl_Octagonal_Shape_int32_t_strictly_contains_-Octagonal_Shape_int32_t
ppl_Octagonal_Shape_int32_t_tag, 736
ppl_Octagonal_Shape_int32_t_tag, 717
ppl_all_affine_ranking_functions_MS_-Octagonal_Shape_int32_t, 744
ppl_all_affine_ranking_functions_MS_-Octagonal_Shape_int32_t_2, 745
ppl_all_affine_ranking_functions_PR_-Octagonal_Shape_int32_t, 744
ppl_all_affine_ranking_functions_PR_-Octagonal_Shape_int32_t_2, 745

ppl_assign_Octagonal_Shape_int32_t_from_-
Octagonal_Shape_int32_t, 743
ppl_delete_Octagonal_Shape_int32_t, 725
ppl_io_asprint_Octagonal_Shape_int32_t, 745
ppl_io_fprint_Octagonal_Shape_int32_t, 745
ppl_io_print_Octagonal_Shape_int32_t, 745
ppl_new_Octagonal_Shape_int32_t_from_-
BD_Shape_double, 728
ppl_new_Octagonal_Shape_int32_t_from_-
BD_Shape_double_with_complexity,
733
ppl_new_Octagonal_Shape_int32_t_from_-
BD_Shape_float, 728
ppl_new_Octagonal_Shape_int32_t_from_-
BD_Shape_float_with_complexity, 732
ppl_new_Octagonal_Shape_int32_t_from_-
BD_Shape_int16_t, 726
ppl_new_Octagonal_Shape_int32_t_from_-
BD_Shape_int16_t_with_complexity,
730
ppl_new_Octagonal_Shape_int32_t_from_-
BD_Shape_int32_t, 726
ppl_new_Octagonal_Shape_int32_t_from_-
BD_Shape_int32_t_with_complexity,
730
ppl_new_Octagonal_Shape_int32_t_from_-
BD_Shape_int64_t, 726
ppl_new_Octagonal_Shape_int32_t_from_-
BD_Shape_int64_t_with_complexity,
731
ppl_new_Octagonal_Shape_int32_t_from_-
BD_Shape_int8_t, 726
ppl_new_Octagonal_Shape_int32_t_from_-
BD_Shape_int8_t_with_complexity,
730
ppl_new_Octagonal_Shape_int32_t_from_-
BD_Shape_long_double, 729
ppl_new_Octagonal_Shape_int32_t_-
from_BD_Shape_long_double_with_-
complexity, 733
ppl_new_Octagonal_Shape_int32_t_from_-
BD_Shape_mpq_class, 727
ppl_new_Octagonal_Shape_int32_t_from_-
BD_Shape_mpq_class_with_complexity,
731
ppl_new_Octagonal_Shape_int32_t_from_-
BD_Shape_mpz_class, 727
ppl_new_Octagonal_Shape_int32_t_from_-
BD_Shape_mpz_class_with_complexity,
731
ppl_new_Octagonal_Shape_int32_t_from_-
C_Polyhedron, 728
ppl_new_Octagonal_Shape_int32_t_from_-
C_Polyhedron_with_complexity, 732
ppl_new_Octagonal_Shape_int32_t_from_-
Congruence_System, 733
ppl_new_Octagonal_Shape_int32_t_from_-
Constraint_System, 733
ppl_new_Octagonal_Shape_int32_t_from_-
Double_Box, 728
ppl_new_Octagonal_Shape_int32_t_from_-
Double_Box_with_complexity, 732
ppl_new_Octagonal_Shape_int32_t_from_-
Float_Box, 728
ppl_new_Octagonal_Shape_int32_t_from_-
Float_Box_with_complexity, 732
ppl_new_Octagonal_Shape_int32_t_from_-
Generator_System, 733
ppl_new_Octagonal_Shape_int32_t_from_-
Grid, 728
ppl_new_Octagonal_Shape_int32_t_from_-
Grid_with_complexity, 732
ppl_new_Octagonal_Shape_int32_t_from_-
Int16_Box, 725
ppl_new_Octagonal_Shape_int32_t_from_-
Int16_Box_with_complexity, 729
ppl_new_Octagonal_Shape_int32_t_from_-
Int32_Box, 725
ppl_new_Octagonal_Shape_int32_t_from_-
Int32_Box_with_complexity, 729
ppl_new_Octagonal_Shape_int32_t_from_-
Int64_Box, 725
ppl_new_Octagonal_Shape_int32_t_from_-
Int64_Box_with_complexity, 729
ppl_new_Octagonal_Shape_int32_t_from_-
Int8_Box, 725
ppl_new_Octagonal_Shape_int32_t_from_-
Int8_Box_with_complexity, 729
ppl_new_Octagonal_Shape_int32_t_from_-
Long_Double_Box, 729
ppl_new_Octagonal_Shape_int32_t_from_-
Long_Double_Box_with_complexity,
733
ppl_new_Octagonal_Shape_int32_t_from_-
NNC_Polyhedron, 728
ppl_new_Octagonal_Shape_int32_t_from_-
NNC_Polyhedron_with_complexity,
732
ppl_new_Octagonal_Shape_int32_t_from_-
Octagonal_Shape_double, 728
ppl_new_Octagonal_Shape_int32_t_from_-
Octagonal_Shape_double_with_-
complexity, 733
ppl_new_Octagonal_Shape_int32_t_from_-
Octagonal_Shape_float, 728
ppl_new_Octagonal_Shape_int32_t_-
from_Octagonal_Shape_float_with_-
complexity, 732

ppl_new_Octagonal_Shape_int32_t_from_-Octagonal_Shape_int16_t, 727
ppl_new_Octagonal_Shape_int32_t_from_-Octagonal_Shape_int16_t_with_-complexity, 731
ppl_new_Octagonal_Shape_int32_t_from_-Octagonal_Shape_int32_t, 727
ppl_new_Octagonal_Shape_int32_t_from_-Octagonal_Shape_int32_t_with_-complexity, 731
ppl_new_Octagonal_Shape_int32_t_from_-Octagonal_Shape_int64_t, 727
ppl_new_Octagonal_Shape_int32_t_from_-Octagonal_Shape_int64_t_with_-complexity, 731
ppl_new_Octagonal_Shape_int32_t_from_-Octagonal_Shape_int8_t, 727
ppl_new_Octagonal_Shape_int32_t_-from_Octagonal_Shape_int8_t_with_-complexity, 731
ppl_new_Octagonal_Shape_int32_t_from_-Octagonal_Shape_long_double, 729
ppl_new_Octagonal_Shape_int32_t_from_-Octagonal_Shape_long_double_with_-complexity, 733
ppl_new_Octagonal_Shape_int32_t_from_-Octagonal_Shape_mpq_class, 727
ppl_new_Octagonal_Shape_int32_t_from_-Octagonal_Shape_mpq_class_with_-complexity, 732
ppl_new_Octagonal_Shape_int32_t_from_-Octagonal_Shape_mpz_class, 727
ppl_new_Octagonal_Shape_int32_t_from_-Octagonal_Shape_mpz_class_with_-complexity, 731
ppl_new_Octagonal_Shape_int32_t_from_-Rational_Box, 726
ppl_new_Octagonal_Shape_int32_t_from_-Rational_Box_with_complexity, 730
ppl_new_Octagonal_Shape_int32_t_from_-space_dimension, 725
ppl_new_Octagonal_Shape_int32_t_from_-Uint16_Box, 725
ppl_new_Octagonal_Shape_int32_t_from_-Uint16_Box_with_complexity, 730
ppl_new_Octagonal_Shape_int32_t_from_-Uint32_Box, 726
ppl_new_Octagonal_Shape_int32_t_from_-Uint32_Box_with_complexity, 730
ppl_new_Octagonal_Shape_int32_t_from_-Uint64_Box, 726
ppl_new_Octagonal_Shape_int32_t_from_-Uint64_Box_with_complexity, 730
ppl_new_Octagonal_Shape_int32_t_from_-Uint8_Box, 725
ppl_new_Octagonal_Shape_int32_t_from_-Uint8_Box_with_complexity, 729
ppl_new_Octagonal_Shape_int32_t_from_Z_-Box, 726
ppl_new_Octagonal_Shape_int32_t_from_Z_-Box_with_complexity, 730
ppl_new_Octagonal_Shape_int32_t_recycle_-Congruence_System, 743
ppl_new_Octagonal_Shape_int32_t_recycle_-Constraint_System, 743
ppl_new_Octagonal_Shape_int32_t_recycle_-Generator_System, 743
ppl_Octagonal_Shape_int32_t_add_-congruence, 737
ppl_Octagonal_Shape_int32_t_add_-congruences, 737
ppl_Octagonal_Shape_int32_t_add_-constraint, 737
ppl_Octagonal_Shape_int32_t_add_-constraints, 737
ppl_Octagonal_Shape_int32_t_add_-recycled_congruences, 744
ppl_Octagonal_Shape_int32_t_add_-recycled_constraints, 743
ppl_Octagonal_Shape_int32_t_add_space_-dimensions_and_embed, 740
ppl_Octagonal_Shape_int32_t_add_space_-dimensions_and_project, 740
ppl_Octagonal_Shape_int32_t_affine_-dimension, 734
ppl_Octagonal_Shape_int32_t_affine_image, 739
ppl_Octagonal_Shape_int32_t_affine_-preimage, 739
ppl_Octagonal_Shape_int32_t_ascii_dump, 745
ppl_Octagonal_Shape_int32_t_ascii_load, 746
ppl_Octagonal_Shape_int32_t_BHMZ05_-widening_assign, 741
ppl_Octagonal_Shape_int32_t_BHMZ05_-widening_assign_with_tokens, 741
ppl_Octagonal_Shape_int32_t_bounded_-affine_image, 739
ppl_Octagonal_Shape_int32_t_bounded_-affine_preimage, 739
ppl_Octagonal_Shape_int32_t_bounds_-from_above, 735
ppl_Octagonal_Shape_int32_t_bounds_-from_below, 735
ppl_Octagonal_Shape_int32_t_CC76_-extrapolation_assign, 742
ppl_Octagonal_Shape_int32_t_CC76_-extrapolation_assign_with_tokens, 742

ppl_Octagonal_Shape_int32_t_CC76_-narrowing_assign, 743
ppl_Octagonal_Shape_int32_t_concatenate_-assign, 738
ppl_Octagonal_Shape_int32_t_constrains, 739
ppl_Octagonal_Shape_int32_t_contains_-integer_point, 735
ppl_Octagonal_Shape_int32_t_contains_-Octagonal_Shape_int32_t, 736
ppl_Octagonal_Shape_int32_t_difference_-assign, 738
ppl_Octagonal_Shape_int32_t_drop_some_-non_integer_points, 741
ppl_Octagonal_Shape_int32_t_drop_some_-non_integer_points_2, 741
ppl_Octagonal_Shape_int32_t_equals_-Octagonal_Shape_int32_t, 737
ppl_Octagonal_Shape_int32_t_expand_-space_dimension, 740
ppl_Octagonal_Shape_int32_t_external_-memory_in_bytes, 741
ppl_Octagonal_Shape_int32_t_fold_space_-dimensions, 741
ppl_Octagonal_Shape_int32_t_frequency, 736
ppl_Octagonal_Shape_int32_t_generalized_-affine_image, 739
ppl_Octagonal_Shape_int32_t_generalized_-affine_image_lhs_rhs, 740
ppl_Octagonal_Shape_int32_t_generalized_-affine_preimage, 740
ppl_Octagonal_Shape_int32_t_generalized_-affine_preimage_lhs_rhs, 740
ppl_Octagonal_Shape_int32_t_get_-congruences, 734
ppl_Octagonal_Shape_int32_t_get_-constraints, 734
ppl_Octagonal_Shape_int32_t_get_-minimized_congruences, 734
ppl_Octagonal_Shape_int32_t_get_-minimized_constraints, 734
ppl_Octagonal_Shape_int32_t_intersection_-assign, 738
ppl_Octagonal_Shape_int32_t_is_bounded, 735
ppl_Octagonal_Shape_int32_t_is_discrete, 735
ppl_Octagonal_Shape_int32_t_is_disjoint_-from_Octagonal_Shape_int32_t, 736
ppl_Octagonal_Shape_int32_t_is_empty, 735
ppl_Octagonal_Shape_int32_t_is_-topologically_closed, 735
ppl_Octagonal_Shape_int32_t_is_universe, 735
ppl_Octagonal_Shape_int32_t_limited_-BHMZ05_extrapolation_assign, 742
ppl_Octagonal_Shape_int32_t_limited_-BHMZ05_extrapolation_assign_with_-tokens, 742
ppl_Octagonal_Shape_int32_t_limited_-CC76_extrapolation_assign, 742
ppl_Octagonal_Shape_int32_t_limited_-CC76_extrapolation_assign_with_tokens, 742
ppl_Octagonal_Shape_int32_t_linear_-partition, 743
ppl_Octagonal_Shape_int32_t_map_space_-dimensions, 741
ppl_Octagonal_Shape_int32_t_maximize, 736
ppl_Octagonal_Shape_int32_t_maximize_-with_point, 736
ppl_Octagonal_Shape_int32_t_minimize, 736
ppl_Octagonal_Shape_int32_t_minimize_-with_point, 736
ppl_Octagonal_Shape_int32_t_OK, 737
ppl_Octagonal_Shape_int32_t_refine_with_-congruence, 737
ppl_Octagonal_Shape_int32_t_refine_with_-congruences, 738
ppl_Octagonal_Shape_int32_t_refine_with_-constraint, 737
ppl_Octagonal_Shape_int32_t_refine_with_-constraints, 737
ppl_Octagonal_Shape_int32_t_relation_-with_Congruence, 734
ppl_Octagonal_Shape_int32_t_relation_-with_Constraint, 734
ppl_Octagonal_Shape_int32_t_relation_-with_Generator, 734
ppl_Octagonal_Shape_int32_t_remove_-higher_space_dimensions, 740
ppl_Octagonal_Shape_int32_t_remove_-space_dimensions, 740
ppl_Octagonal_Shape_int32_t_simplify_-using_context_assign, 738
ppl_Octagonal_Shape_int32_t_space_-dimension, 734
ppl_Octagonal_Shape_int32_t_strictly_-contains_Octagonal_Shape_int32_t, 736
ppl_Octagonal_Shape_int32_t_time_elapse_-assign, 738
ppl_Octagonal_Shape_int32_t_topological_-closure_assign, 735
ppl_Octagonal_Shape_int32_t_total_-memory_in_bytes, 741
ppl_Octagonal_Shape_int32_t_unconstrain_-space_dimension, 739

ppl_Octagonal_Shape_int32_t_unconstrain_space_dimensions, 739
ppl_Octagonal_Shape_int32_t_upper_bound_assign, 738
ppl_Octagonal_Shape_int32_t_upper_bound_assign_if_exact, 738
ppl_Octagonal_Shape_int32_t_widening_assign, 742
ppl_Octagonal_Shape_int32_t_widening_assign_with_tokens, 742
ppl_Octagonal_Shape_int32_t_wrap_assign, 743
ppl_one_affine_ranking_function_MS_Octagonal_Shape_int32_t, 744
ppl_one_affine_ranking_function_MS_Octagonal_Shape_int32_t_2, 745
ppl_one_affine_ranking_function_PR_Octagonal_Shape_int32_t, 744
ppl_one_affine_ranking_function_PR_Octagonal_Shape_int32_t_2, 745
ppl_termination_test_MS_Octagonal_Shape_int32_t, 744
ppl_termination_test_MS_Octagonal_Shape_int32_t_2, 744
ppl_termination_test_PR_Octagonal_Shape_int32_t, 744
ppl_termination_test_PR_Octagonal_Shape_int32_t_2, 744
ppl_Octagonal_Shape_int32_t_time_elapse_assign
ppl_Octagonal_Shape_int32_t_tag, 738
ppl_Octagonal_Shape_int32_t_topological_closure_assign
ppl_Octagonal_Shape_int32_t_tag, 735
ppl_Octagonal_Shape_int32_t_total_memory_in_bytes
ppl_Octagonal_Shape_int32_t_tag, 741
ppl_Octagonal_Shape_int32_t_unconstrain_space_dimension
ppl_Octagonal_Shape_int32_t_tag, 739
ppl_Octagonal_Shape_int32_t_unconstrain_space_dimensions
ppl_Octagonal_Shape_int32_t_tag, 739
ppl_Octagonal_Shape_int32_t_upper_bound_assign
ppl_Octagonal_Shape_int32_t_tag, 738
ppl_Octagonal_Shape_int32_t_upper_bound_assign_if_exact
ppl_Octagonal_Shape_int32_t_tag, 738
ppl_Octagonal_Shape_int32_t_widening_assign
ppl_Octagonal_Shape_int32_t_tag, 742
ppl_Octagonal_Shape_int32_t_widening_assign_with_tokens
ppl_Octagonal_Shape_int32_t_tag, 742
ppl_Octagonal_Shape_int32_t_wrap_assign
ppl_Octagonal_Shape_int32_t_tag, 743
ppl_Octagonal_Shape_int64_t_add_congruence
ppl_Octagonal_Shape_int64_t_tag, 765
ppl_Octagonal_Shape_int64_t_add_congruences
ppl_Octagonal_Shape_int64_t_tag, 766
ppl_Octagonal_Shape_int64_t_add_constraint
ppl_Octagonal_Shape_int64_t_tag, 765
ppl_Octagonal_Shape_int64_t_add_constraints
ppl_Octagonal_Shape_int64_t_tag, 765
ppl_Octagonal_Shape_int64_t_add_recycled_congruences
ppl_Octagonal_Shape_int64_t_tag, 772
ppl_Octagonal_Shape_int64_t_add_recycled_constraints
ppl_Octagonal_Shape_int64_t_tag, 772
ppl_Octagonal_Shape_int64_t_add_space_dimensions_and_embed
ppl_Octagonal_Shape_int64_t_tag, 768
ppl_Octagonal_Shape_int64_t_add_space_dimensions_and_project
ppl_Octagonal_Shape_int64_t_tag, 768
ppl_Octagonal_Shape_int64_t_affine_dimension
ppl_Octagonal_Shape_int64_t_tag, 762
ppl_Octagonal_Shape_int64_t_affine_image
ppl_Octagonal_Shape_int64_t_tag, 767
ppl_Octagonal_Shape_int64_t_affine_preimage
ppl_Octagonal_Shape_int64_t_tag, 767
ppl_Octagonal_Shape_int64_t_ascii_dump
ppl_Octagonal_Shape_int64_t_tag, 774
ppl_Octagonal_Shape_int64_t_ascii_load
ppl_Octagonal_Shape_int64_t_tag, 774
ppl_Octagonal_Shape_int64_t_BHMZ05_widening_assign
ppl_Octagonal_Shape_int64_t_tag, 770
ppl_Octagonal_Shape_int64_t_BHMZ05_widening_assign_with_tokens
ppl_Octagonal_Shape_int64_t_tag, 769
ppl_Octagonal_Shape_int64_t_bounded_affine_image
ppl_Octagonal_Shape_int64_t_tag, 767
ppl_Octagonal_Shape_int64_t_bounded_affine_preimage
ppl_Octagonal_Shape_int64_t_tag, 768
ppl_Octagonal_Shape_int64_t_bounds_from_above
ppl_Octagonal_Shape_int64_t_tag, 764
ppl_Octagonal_Shape_int64_t_bounds_from_below
ppl_Octagonal_Shape_int64_t_tag, 764
ppl_Octagonal_Shape_int64_t_CC76_extrapolation_assign
ppl_Octagonal_Shape_int64_t_tag, 771
ppl_Octagonal_Shape_int64_t_CC76_extrapolation_assign_with_tokens

ppl_Octagonal_Shape_int64_t_tag, 770
ppl_Octagonal_Shape_int64_t_CC76_narrowing_-assign
ppl_Octagonal_Shape_int64_t_tag, 771
ppl_Octagonal_Shape_int64_t_concatenate_assign
ppl_Octagonal_Shape_int64_t_tag, 766
ppl_Octagonal_Shape_int64_t_constrains
ppl_Octagonal_Shape_int64_t_tag, 767
ppl_Octagonal_Shape_int64_t_contains_integer_-point
ppl_Octagonal_Shape_int64_t_tag, 763
ppl_Octagonal_Shape_int64_t_contains_-Octagonal_Shape_int64_t
ppl_Octagonal_Shape_int64_t_tag, 765
ppl_Octagonal_Shape_int64_t_difference_assign
ppl_Octagonal_Shape_int64_t_tag, 766
ppl_Octagonal_Shape_int64_t_drop_some_non_-integer_points
ppl_Octagonal_Shape_int64_t_tag, 769
ppl_Octagonal_Shape_int64_t_drop_some_non_-integer_points_2
ppl_Octagonal_Shape_int64_t_tag, 769
ppl_Octagonal_Shape_int64_t_equals_Octagonal_-Shape_int64_t
ppl_Octagonal_Shape_int64_t_tag, 765
ppl_Octagonal_Shape_int64_t_expand_space_-dimension
ppl_Octagonal_Shape_int64_t_tag, 769
ppl_Octagonal_Shape_int64_t_external_memory_-in_bytes
ppl_Octagonal_Shape_int64_t_tag, 769
ppl_Octagonal_Shape_int64_t_fold_space_-dimensions
ppl_Octagonal_Shape_int64_t_tag, 769
ppl_Octagonal_Shape_int64_t_frequency
ppl_Octagonal_Shape_int64_t_tag, 764
ppl_Octagonal_Shape_int64_t_generalized_-affine_image
ppl_Octagonal_Shape_int64_t_tag, 768
ppl_Octagonal_Shape_int64_t_generalized_-affine_image_lhs_rhs
ppl_Octagonal_Shape_int64_t_tag, 768
ppl_Octagonal_Shape_int64_t_generalized_-affine_preimage
ppl_Octagonal_Shape_int64_t_tag, 768
ppl_Octagonal_Shape_int64_t_generalized_-affine_preimage_lhs_rhs
ppl_Octagonal_Shape_int64_t_tag, 768
ppl_Octagonal_Shape_int64_t_get_congruences
ppl_Octagonal_Shape_int64_t_tag, 763
ppl_Octagonal_Shape_int64_t_get_constraints
ppl_Octagonal_Shape_int64_t_tag, 762
ppl_Octagonal_Shape_int64_t_get_minimized_-congruences
ppl_Octagonal_Shape_int64_t_tag, 763
ppl_Octagonal_Shape_int64_t_get_minimized_-constraints
ppl_Octagonal_Shape_int64_t_tag, 763
ppl_Octagonal_Shape_int64_t_intersection_assign
ppl_Octagonal_Shape_int64_t_tag, 766
ppl_Octagonal_Shape_int64_t_is_bounded
ppl_Octagonal_Shape_int64_t_tag, 763
ppl_Octagonal_Shape_int64_t_is_discrete
ppl_Octagonal_Shape_int64_t_tag, 763
ppl_Octagonal_Shape_int64_t_is_disjoint_from_-Octagonal_Shape_int64_t
ppl_Octagonal_Shape_int64_t_tag, 765
ppl_Octagonal_Shape_int64_t_is_empty
ppl_Octagonal_Shape_int64_t_tag, 763
ppl_Octagonal_Shape_int64_t_is_topologically_-closed
ppl_Octagonal_Shape_int64_t_tag, 763
ppl_Octagonal_Shape_int64_t_is_universe
ppl_Octagonal_Shape_int64_t_tag, 763
ppl_Octagonal_Shape_int64_t_limited_BHMZ05_-extrapolation_assign
ppl_Octagonal_Shape_int64_t_tag, 770
ppl_Octagonal_Shape_int64_t_limited_BHMZ05_-extrapolation_assign_with_tokens
ppl_Octagonal_Shape_int64_t_tag, 770
ppl_Octagonal_Shape_int64_t_limited_CC76_-extrapolation_assign
ppl_Octagonal_Shape_int64_t_tag, 770
ppl_Octagonal_Shape_int64_t_limited_CC76_-extrapolation_assign_with_tokens
ppl_Octagonal_Shape_int64_t_tag, 770
ppl_Octagonal_Shape_int64_t_linear_partition
ppl_Octagonal_Shape_int64_t_tag, 771
ppl_Octagonal_Shape_int64_t_map_space_-dimensions
ppl_Octagonal_Shape_int64_t_tag, 769
ppl_Octagonal_Shape_int64_t_maximize
ppl_Octagonal_Shape_int64_t_tag, 764
ppl_Octagonal_Shape_int64_t_maximize_with_-point
ppl_Octagonal_Shape_int64_t_tag, 764
ppl_Octagonal_Shape_int64_t_minimize
ppl_Octagonal_Shape_int64_t_tag, 764
ppl_Octagonal_Shape_int64_t_minimize_with_-point
ppl_Octagonal_Shape_int64_t_tag, 764
ppl_Octagonal_Shape_int64_t_OK
ppl_Octagonal_Shape_int64_t_tag, 765
ppl_Octagonal_Shape_int64_t_refine_with_-congruence
ppl_Octagonal_Shape_int64_t_tag, 766
ppl_Octagonal_Shape_int64_t_refine_with_-congruences

ppl_Octagonal_Shape_int64_t_tag, 766
ppl_Octagonal_Shape_int64_t_refine_with_-constraint
ppl_Octagonal_Shape_int64_t_tag, 766
ppl_Octagonal_Shape_int64_t_refine_with_-constraints
ppl_Octagonal_Shape_int64_t_tag, 766
ppl_Octagonal_Shape_int64_t_relation_with_-Congruence
ppl_Octagonal_Shape_int64_t_tag, 762
ppl_Octagonal_Shape_int64_t_relation_with_-Constraint
ppl_Octagonal_Shape_int64_t_tag, 762
ppl_Octagonal_Shape_int64_t_relation_with_-Generator
ppl_Octagonal_Shape_int64_t_tag, 762
ppl_Octagonal_Shape_int64_t_remove_higher_-space_dimensions
ppl_Octagonal_Shape_int64_t_tag, 769
ppl_Octagonal_Shape_int64_t_remove_space_-dimensions
ppl_Octagonal_Shape_int64_t_tag, 768
ppl_Octagonal_Shape_int64_t_simplify_using_-context_assign
ppl_Octagonal_Shape_int64_t_tag, 767
ppl_Octagonal_Shape_int64_t_space_dimension
ppl_Octagonal_Shape_int64_t_tag, 762
ppl_Octagonal_Shape_int64_t_strictly_contains_-Octagonal_Shape_int64_t
ppl_Octagonal_Shape_int64_t_tag, 765
ppl_Octagonal_Shape_int64_t_tag, 746
ppl_all_affine_ranking_functions_MS_-Octagonal_Shape_int64_t, 772
ppl_all_affine_ranking_functions_MS_-Octagonal_Shape_int64_t_2, 773
ppl_all_affine_ranking_functions_PR_-Octagonal_Shape_int64_t, 772
ppl_all_affine_ranking_functions_PR_-Octagonal_Shape_int64_t_2, 773
ppl_assign_Octagonal_Shape_int64_t_from_-Octagonal_Shape_int64_t, 771
ppl_delete_Octagonal_Shape_int64_t, 753
ppl_io_asprint_Octagonal_Shape_int64_t, 773
ppl_io_fprint_Octagonal_Shape_int64_t, 773
ppl_io_print_Octagonal_Shape_int64_t, 773
ppl_new_Octagonal_Shape_int64_t_from_-BD_Shape_double, 757
ppl_new_Octagonal_Shape_int64_t_from_-BD_Shape_double_with_complexity, 761
ppl_new_Octagonal_Shape_int64_t_from_-BD_Shape_float, 756
ppl_new_Octagonal_Shape_int64_t_from_-BD_Shape_float_with_complexity, 761
ppl_new_Octagonal_Shape_int64_t_from_-BD_Shape_int16_t, 755
ppl_new_Octagonal_Shape_int64_t_from_-BD_Shape_int16_t_with_complexity, 759
ppl_new_Octagonal_Shape_int64_t_from_-BD_Shape_int32_t, 755
ppl_new_Octagonal_Shape_int64_t_from_-BD_Shape_int32_t_with_complexity, 759
ppl_new_Octagonal_Shape_int64_t_from_-BD_Shape_int64_t, 755
ppl_new_Octagonal_Shape_int64_t_from_-BD_Shape_int64_t_with_complexity, 759
ppl_new_Octagonal_Shape_int64_t_from_-BD_Shape_int8_t, 754
ppl_new_Octagonal_Shape_int64_t_from_-BD_Shape_int8_t_with_complexity, 759
ppl_new_Octagonal_Shape_int64_t_from_-BD_Shape_long_double, 757
ppl_new_Octagonal_Shape_int64_t_-from_BD_Shape_long_double_with_-complexity, 761
ppl_new_Octagonal_Shape_int64_t_from_-BD_Shape_mpq_class, 755
ppl_new_Octagonal_Shape_int64_t_from_-BD_Shape_mpq_class_with_complexity, 759
ppl_new_Octagonal_Shape_int64_t_from_-BD_Shape_mpz_class, 755
ppl_new_Octagonal_Shape_int64_t_from_-BD_Shape_mpz_class_with_complexity, 759
ppl_new_Octagonal_Shape_int64_t_from_-C_Polyhedron, 756
ppl_new_Octagonal_Shape_int64_t_from_-C_Polyhedron_with_complexity, 760
ppl_new_Octagonal_Shape_int64_t_from_-Congruence_System, 762
ppl_new_Octagonal_Shape_int64_t_from_-Constraint_System, 762
ppl_new_Octagonal_Shape_int64_t_from_-Double_Box, 757
ppl_new_Octagonal_Shape_int64_t_from_-Double_Box_with_complexity, 761
ppl_new_Octagonal_Shape_int64_t_from_-Float_Box, 756
ppl_new_Octagonal_Shape_int64_t_from_-Float_Box_with_complexity, 760
ppl_new_Octagonal_Shape_int64_t_from_-Generator_System, 762
ppl_new_Octagonal_Shape_int64_t_from_-

Grid, 756
ppl_new_Octagonal_Shape_int64_t_from_-Grid_with_complexity, 760
ppl_new_Octagonal_Shape_int64_t_from_-Int16_Box, 753
ppl_new_Octagonal_Shape_int64_t_from_-Int16_Box_with_complexity, 757
ppl_new_Octagonal_Shape_int64_t_from_-Int32_Box, 753
ppl_new_Octagonal_Shape_int64_t_from_-Int32_Box_with_complexity, 758
ppl_new_Octagonal_Shape_int64_t_from_-Int64_Box, 754
ppl_new_Octagonal_Shape_int64_t_from_-Int64_Box_with_complexity, 758
ppl_new_Octagonal_Shape_int64_t_from_-Int8_Box, 753
ppl_new_Octagonal_Shape_int64_t_from_-Int8_Box_with_complexity, 757
ppl_new_Octagonal_Shape_int64_t_from_-Long_Double_Box, 757
ppl_new_Octagonal_Shape_int64_t_from_-Long_Double_Box_with_complexity, 761
ppl_new_Octagonal_Shape_int64_t_from_-NNC_Polyhedron, 756
ppl_new_Octagonal_Shape_int64_t_from_-NNC_Polyhedron_with_complexity, 760
ppl_new_Octagonal_Shape_int64_t_from_-Octagonal_Shape_double, 757
ppl_new_Octagonal_Shape_int64_t_from_-Octagonal_Shape_double_with_-complexity, 761
ppl_new_Octagonal_Shape_int64_t_from_-Octagonal_Shape_float, 756
ppl_new_Octagonal_Shape_int64_t_-from_Octagonal_Shape_float_with_-complexity, 761
ppl_new_Octagonal_Shape_int64_t_from_-Octagonal_Shape_int16_t, 755
ppl_new_Octagonal_Shape_int64_t_from_-Octagonal_Shape_int16_t_with_-complexity, 759
ppl_new_Octagonal_Shape_int64_t_from_-Octagonal_Shape_int32_t, 755
ppl_new_Octagonal_Shape_int64_t_from_-Octagonal_Shape_int32_t_with_-complexity, 760
ppl_new_Octagonal_Shape_int64_t_from_-Octagonal_Shape_int64_t, 756
ppl_new_Octagonal_Shape_int64_t_from_-Octagonal_Shape_int64_t_with_-complexity, 760
ppl_new_Octagonal_Shape_int64_t_from_-Octagonal_Shape_int8_t, 755
ppl_new_Octagonal_Shape_int64_t_-from_Octagonal_Shape_int8_t_with_-complexity, 759
ppl_new_Octagonal_Shape_int64_t_from_-Octagonal_Shape_long_double, 757
ppl_new_Octagonal_Shape_int64_t_from_-Octagonal_Shape_long_double_with_-complexity, 761
ppl_new_Octagonal_Shape_int64_t_from_-Octagonal_Shape_mpq_class, 756
ppl_new_Octagonal_Shape_int64_t_from_-Octagonal_Shape_mpq_class_with_-complexity, 760
ppl_new_Octagonal_Shape_int64_t_from_-Octagonal_Shape_mpz_class, 756
ppl_new_Octagonal_Shape_int64_t_from_-Octagonal_Shape_mpz_class_with_-complexity, 760
ppl_new_Octagonal_Shape_int64_t_from_-Rational_Box, 754
ppl_new_Octagonal_Shape_int64_t_from_-Rational_Box_with_complexity, 758
ppl_new_Octagonal_Shape_int64_t_from_-space_dimension, 753
ppl_new_Octagonal_Shape_int64_t_from_-Uint16_Box, 754
ppl_new_Octagonal_Shape_int64_t_from_-Uint16_Box_with_complexity, 758
ppl_new_Octagonal_Shape_int64_t_from_-Uint32_Box, 754
ppl_new_Octagonal_Shape_int64_t_from_-Uint32_Box_with_complexity, 758
ppl_new_Octagonal_Shape_int64_t_from_-Uint64_Box, 754
ppl_new_Octagonal_Shape_int64_t_from_-Uint64_Box_with_complexity, 758
ppl_new_Octagonal_Shape_int64_t_from_-Uint8_Box, 754
ppl_new_Octagonal_Shape_int64_t_from_-Uint8_Box_with_complexity, 758
ppl_new_Octagonal_Shape_int64_t_from_Z_-Box, 754
ppl_new_Octagonal_Shape_int64_t_from_Z_-Box_with_complexity, 758
ppl_new_Octagonal_Shape_int64_t_recycle_-Congruence_System, 771
ppl_new_Octagonal_Shape_int64_t_recycle_-Constraint_System, 771
ppl_new_Octagonal_Shape_int64_t_recycle_-Generator_System, 771
ppl_Octagonal_Shape_int64_t_add_-congruence, 765

ppl_Octagonal_Shape_int64_t_add_-congruences, 766
ppl_Octagonal_Shape_int64_t_add_-constraint, 765
ppl_Octagonal_Shape_int64_t_add_-constraints, 765
ppl_Octagonal_Shape_int64_t_add_-recycled_congruences, 772
ppl_Octagonal_Shape_int64_t_add_-recycled_constraints, 772
ppl_Octagonal_Shape_int64_t_add_space_-dimensions_and_embed, 768
ppl_Octagonal_Shape_int64_t_add_space_-dimensions_and_project, 768
ppl_Octagonal_Shape_int64_t_affine_-dimension, 762
ppl_Octagonal_Shape_int64_t_affine_image, 767
ppl_Octagonal_Shape_int64_t_affine_-preimage, 767
ppl_Octagonal_Shape_int64_t_ascii_dump, 774
ppl_Octagonal_Shape_int64_t_ascii_load, 774
ppl_Octagonal_Shape_int64_t_BHMZ05_-widening_assign, 770
ppl_Octagonal_Shape_int64_t_BHMZ05_-widening_assign_with_tokens, 769
ppl_Octagonal_Shape_int64_t_bounded_-affine_image, 767
ppl_Octagonal_Shape_int64_t_bounded_-affine_preimage, 768
ppl_Octagonal_Shape_int64_t_bounds_-from_above, 764
ppl_Octagonal_Shape_int64_t_bounds_-from_below, 764
ppl_Octagonal_Shape_int64_t_CC76_-extrapolation_assign, 771
ppl_Octagonal_Shape_int64_t_CC76_-extrapolation_assign_with_tokens, 770
ppl_Octagonal_Shape_int64_t_CC76_-narrowing_assign, 771
ppl_Octagonal_Shape_int64_t_concatenate_-assign, 766
ppl_Octagonal_Shape_int64_t_constrains, 767
ppl_Octagonal_Shape_int64_t_contains_-integer_point, 763
ppl_Octagonal_Shape_int64_t_contains_-Octagonal_Shape_int64_t, 765
ppl_Octagonal_Shape_int64_t_difference_-assign, 766
ppl_Octagonal_Shape_int64_t_drop_some_-non_integer_points, 769
ppl_Octagonal_Shape_int64_t_drop_some_-non_integer_points_2, 769
ppl_Octagonal_Shape_int64_t_equals_-Octagonal_Shape_int64_t, 765
ppl_Octagonal_Shape_int64_t_expand_-space_dimension, 769
ppl_Octagonal_Shape_int64_t_external_-memory_in_bytes, 769
ppl_Octagonal_Shape_int64_t_fold_space_-dimensions, 769
ppl_Octagonal_Shape_int64_t_frequency, 764
ppl_Octagonal_Shape_int64_t_generalized_-affine_image, 768
ppl_Octagonal_Shape_int64_t_generalized_-affine_image_lhs_rhs, 768
ppl_Octagonal_Shape_int64_t_generalized_-affine_preimage, 768
ppl_Octagonal_Shape_int64_t_generalized_-affine_preimage_lhs_rhs, 768
ppl_Octagonal_Shape_int64_t_get_-congruences, 763
ppl_Octagonal_Shape_int64_t_get_-constraints, 762
ppl_Octagonal_Shape_int64_t_get_-minimized_congruences, 763
ppl_Octagonal_Shape_int64_t_get_-minimized_constraints, 763
ppl_Octagonal_Shape_int64_t_intersection_-assign, 766
ppl_Octagonal_Shape_int64_t_is_bounded, 763
ppl_Octagonal_Shape_int64_t_is_discrete, 763
ppl_Octagonal_Shape_int64_t_is_disjoint_-from_Octagonal_Shape_int64_t, 765
ppl_Octagonal_Shape_int64_t_is_empty, 763
ppl_Octagonal_Shape_int64_t_is_-topologically_closed, 763
ppl_Octagonal_Shape_int64_t_is_universe, 763
ppl_Octagonal_Shape_int64_t_limited_-BHMZ05_extrapolation_assign, 770
ppl_Octagonal_Shape_int64_t_limited_-BHMZ05_extrapolation_assign_with_-tokens, 770
ppl_Octagonal_Shape_int64_t_limited_-CC76_extrapolation_assign, 770
ppl_Octagonal_Shape_int64_t_limited_-CC76_extrapolation_assign_with_tokens, 770
ppl_Octagonal_Shape_int64_t_linear_-partition, 771
ppl_Octagonal_Shape_int64_t_map_space_-dimensions, 769
ppl_Octagonal_Shape_int64_t_maximize, 764

ppl_Octagonal_Shape_int64_t_maximize_-
with_point, 764
ppl_Octagonal_Shape_int64_t_minimize, 764
ppl_Octagonal_Shape_int64_t_minimize_-
with_point, 764
ppl_Octagonal_Shape_int64_t_OK, 765
ppl_Octagonal_Shape_int64_t_refine_with_-
congruence, 766
ppl_Octagonal_Shape_int64_t_refine_with_-
congruences, 766
ppl_Octagonal_Shape_int64_t_refine_with_-
constraint, 766
ppl_Octagonal_Shape_int64_t_refine_with_-
constraints, 766
ppl_Octagonal_Shape_int64_t_relation_-
with_Congruence, 762
ppl_Octagonal_Shape_int64_t_relation_-
with_Constraint, 762
ppl_Octagonal_Shape_int64_t_relation_-
with_Generator, 762
ppl_Octagonal_Shape_int64_t_remove_-
higher_space_dimensions, 769
ppl_Octagonal_Shape_int64_t_remove_-
space_dimensions, 768
ppl_Octagonal_Shape_int64_t_simplify_-
using_context_assign, 767
ppl_Octagonal_Shape_int64_t_space_-
dimension, 762
ppl_Octagonal_Shape_int64_t_strictly_-
contains_Octagonal_Shape_int64_t,
765
ppl_Octagonal_Shape_int64_t_time_elapse_-
assign, 767
ppl_Octagonal_Shape_int64_t_topological_-
closure_assign, 764
ppl_Octagonal_Shape_int64_t_total_-
memory_in_bytes, 769
ppl_Octagonal_Shape_int64_t_unconstrain_-
space_dimension, 767
ppl_Octagonal_Shape_int64_t_unconstrain_-
space_dimensions, 767
ppl_Octagonal_Shape_int64_t_upper_-
bound_assign, 766
ppl_Octagonal_Shape_int64_t_upper_-
bound_assign_if_exact, 767
ppl_Octagonal_Shape_int64_t_widening_-
assign, 770
ppl_Octagonal_Shape_int64_t_widening_-
assign_with_tokens, 770
ppl_Octagonal_Shape_int64_t_wrap_assign,
771
ppl_one_affine_ranking_function_MS_-
Octagonal_Shape_int64_t, 772
ppl_one_affine_ranking_function_MS_-
Octagonal_Shape_int64_t_2, 773
ppl_one_affine_ranking_function_PR_-
Octagonal_Shape_int64_t, 772
ppl_one_affine_ranking_function_PR_-
Octagonal_Shape_int64_t_2, 773
ppl_termination_test_MS_Octagonal_Shape_-
int64_t, 772
ppl_termination_test_MS_Octagonal_Shape_-
int64_t_2, 772
ppl_termination_test_PR_Octagonal_Shape_-
int64_t, 772
ppl_termination_test_PR_Octagonal_Shape_-
int64_t_2, 773
ppl_Octagonal_Shape_int64_t_time_elapse_assign
ppl_Octagonal_Shape_int64_t_tag, 767
ppl_Octagonal_Shape_int64_t_topological_-
closure_assign
ppl_Octagonal_Shape_int64_t_tag, 764
ppl_Octagonal_Shape_int64_t_total_memory_in_-
bytes
ppl_Octagonal_Shape_int64_t_tag, 769
ppl_Octagonal_Shape_int64_t_unconstrain_-
space_dimension
ppl_Octagonal_Shape_int64_t_tag, 767
ppl_Octagonal_Shape_int64_t_unconstrain_-
space_dimensions
ppl_Octagonal_Shape_int64_t_tag, 767
ppl_Octagonal_Shape_int64_t_upper_bound_-
assign
ppl_Octagonal_Shape_int64_t_tag, 766
ppl_Octagonal_Shape_int64_t_upper_bound_-
assign_if_exact
ppl_Octagonal_Shape_int64_t_tag, 767
ppl_Octagonal_Shape_int64_t_widening_assign
ppl_Octagonal_Shape_int64_t_tag, 770
ppl_Octagonal_Shape_int64_t_widening_assign_-
with_tokens
ppl_Octagonal_Shape_int64_t_tag, 770
ppl_Octagonal_Shape_int64_t_wrap_assign
ppl_Octagonal_Shape_int64_t_tag, 771
ppl_Octagonal_Shape_int8_t_add_congruence
ppl_Octagonal_Shape_int8_t_tag, 793
ppl_Octagonal_Shape_int8_t_add_congruences
ppl_Octagonal_Shape_int8_t_tag, 793
ppl_Octagonal_Shape_int8_t_add_constraint
ppl_Octagonal_Shape_int8_t_tag, 793
ppl_Octagonal_Shape_int8_t_add_constraints
ppl_Octagonal_Shape_int8_t_tag, 793
ppl_Octagonal_Shape_int8_t_add_recycled_-
congruences
ppl_Octagonal_Shape_int8_t_tag, 800
ppl_Octagonal_Shape_int8_t_add_recycled_-
constraints

ppl_Octagonal_Shape_int8_t_tag, 800
ppl_Octagonal_Shape_int8_t_add_space_-dimensions_and_embed
ppl_Octagonal_Shape_int8_t_tag, 796
ppl_Octagonal_Shape_int8_t_add_space_-dimensions_and_project
ppl_Octagonal_Shape_int8_t_tag, 796
ppl_Octagonal_Shape_int8_t_affine_dimension
ppl_Octagonal_Shape_int8_t_tag, 790
ppl_Octagonal_Shape_int8_t_affine_image
ppl_Octagonal_Shape_int8_t_tag, 795
ppl_Octagonal_Shape_int8_t_affine_preimage
ppl_Octagonal_Shape_int8_t_tag, 795
ppl_Octagonal_Shape_int8_t_ascii_dump
ppl_Octagonal_Shape_int8_t_tag, 802
ppl_Octagonal_Shape_int8_t_ascii_load
ppl_Octagonal_Shape_int8_t_tag, 802
ppl_Octagonal_Shape_int8_t_BHMZ05_-widening_assign
ppl_Octagonal_Shape_int8_t_tag, 798
ppl_Octagonal_Shape_int8_t_BHMZ05_-widening_assign_with_tokens
ppl_Octagonal_Shape_int8_t_tag, 797
ppl_Octagonal_Shape_int8_t_bounded_affine_-image
ppl_Octagonal_Shape_int8_t_tag, 795
ppl_Octagonal_Shape_int8_t_bounded_affine_-preimage
ppl_Octagonal_Shape_int8_t_tag, 795
ppl_Octagonal_Shape_int8_t_bounds_from_above
ppl_Octagonal_Shape_int8_t_tag, 792
ppl_Octagonal_Shape_int8_t_bounds_from_below
ppl_Octagonal_Shape_int8_t_tag, 792
ppl_Octagonal_Shape_int8_t_CC76_-extrapolation_assign
ppl_Octagonal_Shape_int8_t_tag, 799
ppl_Octagonal_Shape_int8_t_CC76_-extrapolation_assign_with_tokens
ppl_Octagonal_Shape_int8_t_tag, 798
ppl_Octagonal_Shape_int8_t_CC76_narrowing_-assign
ppl_Octagonal_Shape_int8_t_tag, 799
ppl_Octagonal_Shape_int8_t_concatenate_assign
ppl_Octagonal_Shape_int8_t_tag, 794
ppl_Octagonal_Shape_int8_t_constrains
ppl_Octagonal_Shape_int8_t_tag, 795
ppl_Octagonal_Shape_int8_t_contains_integer_-point
ppl_Octagonal_Shape_int8_t_tag, 791
ppl_Octagonal_Shape_int8_t_contains_-Octagonal_Shape_int8_t
ppl_Octagonal_Shape_int8_t_tag, 792
ppl_Octagonal_Shape_int8_t_difference_assign
ppl_Octagonal_Shape_int8_t_tag, 794
ppl_Octagonal_Shape_int8_t_drop_some_non_-integer_points
ppl_Octagonal_Shape_int8_t_tag, 797
ppl_Octagonal_Shape_int8_t_drop_some_non_-integer_points_2
ppl_Octagonal_Shape_int8_t_tag, 797
ppl_Octagonal_Shape_int8_t_equals_Octagonal_-Shape_int8_t
ppl_Octagonal_Shape_int8_t_tag, 793
ppl_Octagonal_Shape_int8_t_expand_space_-dimension
ppl_Octagonal_Shape_int8_t_tag, 797
ppl_Octagonal_Shape_int8_t_external_memory_-in_bytes
ppl_Octagonal_Shape_int8_t_tag, 797
ppl_Octagonal_Shape_int8_t_fold_space_-dimensions
ppl_Octagonal_Shape_int8_t_tag, 797
ppl_Octagonal_Shape_int8_t_frequency
ppl_Octagonal_Shape_int8_t_tag, 792
ppl_Octagonal_Shape_int8_t_generalized_affine_-image
ppl_Octagonal_Shape_int8_t_tag, 796
ppl_Octagonal_Shape_int8_t_generalized_affine_-image_lhs_rhs
ppl_Octagonal_Shape_int8_t_tag, 796
ppl_Octagonal_Shape_int8_t_generalized_affine_-preimage
ppl_Octagonal_Shape_int8_t_tag, 796
ppl_Octagonal_Shape_int8_t_generalized_affine_-preimage_lhs_rhs
ppl_Octagonal_Shape_int8_t_tag, 796
ppl_Octagonal_Shape_int8_t_get_congruences
ppl_Octagonal_Shape_int8_t_tag, 790
ppl_Octagonal_Shape_int8_t_get_constraints
ppl_Octagonal_Shape_int8_t_tag, 790
ppl_Octagonal_Shape_int8_t_get_minimized_-congruences
ppl_Octagonal_Shape_int8_t_tag, 791
ppl_Octagonal_Shape_int8_t_get_minimized_-constraints
ppl_Octagonal_Shape_int8_t_tag, 791
ppl_Octagonal_Shape_int8_t_intersection_assign
ppl_Octagonal_Shape_int8_t_tag, 794
ppl_Octagonal_Shape_int8_t_is_bounded
ppl_Octagonal_Shape_int8_t_tag, 791
ppl_Octagonal_Shape_int8_t_is_discrete
ppl_Octagonal_Shape_int8_t_tag, 791
ppl_Octagonal_Shape_int8_t_is_disjoint_from_-Octagonal_Shape_int8_t
ppl_Octagonal_Shape_int8_t_tag, 793
ppl_Octagonal_Shape_int8_t_is_empty
ppl_Octagonal_Shape_int8_t_tag, 791

ppl_Octagonal_Shape_int8_t_is_topologically_-closed
ppl_Octagonal_Shape_int8_t_tag, 791
ppl_Octagonal_Shape_int8_t_is_universe
ppl_Octagonal_Shape_int8_t_tag, 791
ppl_Octagonal_Shape_int8_t_limited_BHMZ05_-extrapolation_assign
ppl_Octagonal_Shape_int8_t_tag, 798
ppl_Octagonal_Shape_int8_t_limited_BHMZ05_-extrapolation_assign_with_tokens
ppl_Octagonal_Shape_int8_t_tag, 798
ppl_Octagonal_Shape_int8_t_limited_CC76_-extrapolation_assign
ppl_Octagonal_Shape_int8_t_tag, 798
ppl_Octagonal_Shape_int8_t_limited_CC76_-extrapolation_assign_with_tokens
ppl_Octagonal_Shape_int8_t_tag, 798
ppl_Octagonal_Shape_int8_t_linear_partition
ppl_Octagonal_Shape_int8_t_tag, 799
ppl_Octagonal_Shape_int8_t_map_space_-dimensions
ppl_Octagonal_Shape_int8_t_tag, 797
ppl_Octagonal_Shape_int8_t_maximize
ppl_Octagonal_Shape_int8_t_tag, 792
ppl_Octagonal_Shape_int8_t_maximize_with_-point
ppl_Octagonal_Shape_int8_t_tag, 792
ppl_Octagonal_Shape_int8_t_minimize
ppl_Octagonal_Shape_int8_t_tag, 792
ppl_Octagonal_Shape_int8_t_minimize_with_-point
ppl_Octagonal_Shape_int8_t_tag, 792
ppl_Octagonal_Shape_int8_t_OK
ppl_Octagonal_Shape_int8_t_tag, 793
ppl_Octagonal_Shape_int8_t_refine_with_-congruence
ppl_Octagonal_Shape_int8_t_tag, 794
ppl_Octagonal_Shape_int8_t_refine_with_-congruences
ppl_Octagonal_Shape_int8_t_tag, 794
ppl_Octagonal_Shape_int8_t_refine_with_-constraint
ppl_Octagonal_Shape_int8_t_tag, 793
ppl_Octagonal_Shape_int8_t_refine_with_-constraints
ppl_Octagonal_Shape_int8_t_tag, 794
ppl_Octagonal_Shape_int8_t_relation_with_-Congruence
ppl_Octagonal_Shape_int8_t_tag, 790
ppl_Octagonal_Shape_int8_t_relation_with_-Constraint
ppl_Octagonal_Shape_int8_t_tag, 790
ppl_Octagonal_Shape_int8_t_relation_with_-Generator
ppl_Octagonal_Shape_int8_t_tag, 790
ppl_Octagonal_Shape_int8_t_remove_higher_-space_dimensions
ppl_Octagonal_Shape_int8_t_tag, 796
ppl_Octagonal_Shape_int8_t_remove_space_-dimensions
ppl_Octagonal_Shape_int8_t_tag, 796
ppl_Octagonal_Shape_int8_t_simplify_using_-context_assign
ppl_Octagonal_Shape_int8_t_tag, 795
ppl_Octagonal_Shape_int8_t_space_dimension
ppl_Octagonal_Shape_int8_t_tag, 790
ppl_Octagonal_Shape_int8_t_strictly_contains_-Octagonal_Shape_int8_t
ppl_Octagonal_Shape_int8_t_tag, 793
ppl_Octagonal_Shape_int8_t_tag, 774
ppl_all_affine_ranking_functions_MS_-Octagonal_Shape_int8_t, 800
ppl_all_affine_ranking_functions_MS_-Octagonal_Shape_int8_t_2, 801
ppl_all_affine_ranking_functions_PR_-Octagonal_Shape_int8_t, 800
ppl_all_affine_ranking_functions_PR_-Octagonal_Shape_int8_t_2, 801
ppl_assign_Octagonal_Shape_int8_t_from_-Octagonal_Shape_int8_t, 799
ppl_delete_Octagonal_Shape_int8_t, 781
ppl_io_asprint_Octagonal_Shape_int8_t, 801
ppl_io_fprint_Octagonal_Shape_int8_t, 801
ppl_io_print_Octagonal_Shape_int8_t, 801
ppl_new_Octagonal_Shape_int8_t_from_-BD_Shape_double, 785
ppl_new_Octagonal_Shape_int8_t_from_-BD_Shape_double_with_complexity, 789
ppl_new_Octagonal_Shape_int8_t_from_-BD_Shape_float, 784
ppl_new_Octagonal_Shape_int8_t_from_-BD_Shape_float_with_complexity, 788
ppl_new_Octagonal_Shape_int8_t_from_-BD_Shape_int16_t, 782
ppl_new_Octagonal_Shape_int8_t_from_-BD_Shape_int16_t_with_complexity, 787
ppl_new_Octagonal_Shape_int8_t_from_-BD_Shape_int32_t, 783
ppl_new_Octagonal_Shape_int8_t_from_-BD_Shape_int32_t_with_complexity, 787
ppl_new_Octagonal_Shape_int8_t_from_-BD_Shape_int64_t, 783
ppl_new_Octagonal_Shape_int8_t_from_-BD_Shape_int64_t_with_complexity, 787

ppl_new_Octagonal_Shape_int8_t_from_-BD_Shape_int8_t, 782
ppl_new_Octagonal_Shape_int8_t_from_-BD_Shape_int8_t_with_complexity, 786
ppl_new_Octagonal_Shape_int8_t_from_-BD_Shape_long_double, 785
ppl_new_Octagonal_Shape_int8_t_from_-BD_Shape_long_double_with_-complexity, 789
ppl_new_Octagonal_Shape_int8_t_from_-BD_Shape_mpq_class, 783
ppl_new_Octagonal_Shape_int8_t_from_-BD_Shape_mpq_class_with_complexity, 787
ppl_new_Octagonal_Shape_int8_t_from_-BD_Shape_mpz_class, 783
ppl_new_Octagonal_Shape_int8_t_from_-BD_Shape_mpz_class_with_complexity, 787
ppl_new_Octagonal_Shape_int8_t_from_C_-Polyhedron, 784
ppl_new_Octagonal_Shape_int8_t_from_C_-Polyhedron_with_complexity, 788
ppl_new_Octagonal_Shape_int8_t_from_-Congruence_System, 790
ppl_new_Octagonal_Shape_int8_t_from_-Constraint_System, 789
ppl_new_Octagonal_Shape_int8_t_from_-Double_Box, 784
ppl_new_Octagonal_Shape_int8_t_from_-Double_Box_with_complexity, 789
ppl_new_Octagonal_Shape_int8_t_from_-Float_Box, 784
ppl_new_Octagonal_Shape_int8_t_from_-Float_Box_with_complexity, 788
ppl_new_Octagonal_Shape_int8_t_from_-Generator_System, 790
ppl_new_Octagonal_Shape_int8_t_from_-Grid, 784
ppl_new_Octagonal_Shape_int8_t_from_-Grid_with_complexity, 788
ppl_new_Octagonal_Shape_int8_t_from_-Int16_Box, 781
ppl_new_Octagonal_Shape_int8_t_from_-Int16_Box_with_complexity, 785
ppl_new_Octagonal_Shape_int8_t_from_-Int32_Box, 781
ppl_new_Octagonal_Shape_int8_t_from_-Int32_Box_with_complexity, 785
ppl_new_Octagonal_Shape_int8_t_from_-Int64_Box, 782
ppl_new_Octagonal_Shape_int8_t_from_-Int64_Box_with_complexity, 786
ppl_new_Octagonal_Shape_int8_t_from_-Int8_Box, 781
ppl_new_Octagonal_Shape_int8_t_from_-Int8_Box_with_complexity, 785
ppl_new_Octagonal_Shape_int8_t_from_-Long_Double_Box, 785
ppl_new_Octagonal_Shape_int8_t_from_-Long_Double_Box_with_complexity, 789
ppl_new_Octagonal_Shape_int8_t_from_-NNC_Polyhedron, 784
ppl_new_Octagonal_Shape_int8_t_from_-NNC_Polyhedron_with_complexity, 788
ppl_new_Octagonal_Shape_int8_t_from_-Octagonal_Shape_double, 785
ppl_new_Octagonal_Shape_int8_t_from_-Octagonal_Shape_double_with_-complexity, 789
ppl_new_Octagonal_Shape_int8_t_from_-Octagonal_Shape_float, 784
ppl_new_Octagonal_Shape_int8_t_-from_Octagonal_Shape_float_with_-complexity, 789
ppl_new_Octagonal_Shape_int8_t_from_-Octagonal_Shape_int16_t, 783
ppl_new_Octagonal_Shape_int8_t_from_-Octagonal_Shape_int16_t_with_-complexity, 787
ppl_new_Octagonal_Shape_int8_t_from_-Octagonal_Shape_int32_t, 783
ppl_new_Octagonal_Shape_int8_t_from_-Octagonal_Shape_int32_t_with_-complexity, 787
ppl_new_Octagonal_Shape_int8_t_from_-Octagonal_Shape_int64_t, 783
ppl_new_Octagonal_Shape_int8_t_from_-Octagonal_Shape_int64_t_with_-complexity, 788
ppl_new_Octagonal_Shape_int8_t_from_-Octagonal_Shape_int8_t, 783
ppl_new_Octagonal_Shape_int8_t_from_-Octagonal_Shape_int8_t_with_-complexity, 787
ppl_new_Octagonal_Shape_int8_t_from_-Octagonal_Shape_long_double, 785
ppl_new_Octagonal_Shape_int8_t_from_-Octagonal_Shape_long_double_with_-complexity, 789
ppl_new_Octagonal_Shape_int8_t_from_-Octagonal_Shape_mpq_class, 784
ppl_new_Octagonal_Shape_int8_t_from_-Octagonal_Shape_mpq_class_with_-complexity, 788

ppl_new_Octagonal_Shape_int8_t_from_-
Octagonal_Shape_mpz_class, 784
ppl_new_Octagonal_Shape_int8_t_from_-
Octagonal_Shape_mpz_class_with_-
complexity, 788
ppl_new_Octagonal_Shape_int8_t_from_-
Rational_Box, 782
ppl_new_Octagonal_Shape_int8_t_from_-
Rational_Box_with_complexity, 786
ppl_new_Octagonal_Shape_int8_t_from_-
space_dimension, 781
ppl_new_Octagonal_Shape_int8_t_from_-
Uint16_Box, 782
ppl_new_Octagonal_Shape_int8_t_from_-
Uint16_Box_with_complexity, 786
ppl_new_Octagonal_Shape_int8_t_from_-
Uint32_Box, 782
ppl_new_Octagonal_Shape_int8_t_from_-
Uint32_Box_with_complexity, 786
ppl_new_Octagonal_Shape_int8_t_from_-
Uint64_Box, 782
ppl_new_Octagonal_Shape_int8_t_from_-
Uint64_Box_with_complexity, 786
ppl_new_Octagonal_Shape_int8_t_from_-
Uint8_Box, 782
ppl_new_Octagonal_Shape_int8_t_from_-
Uint8_Box_with_complexity, 786
ppl_new_Octagonal_Shape_int8_t_from_Z_-
Box, 782
ppl_new_Octagonal_Shape_int8_t_from_Z_-
Box_with_complexity, 786
ppl_new_Octagonal_Shape_int8_t_recycle_-
Congruence_System, 799
ppl_new_Octagonal_Shape_int8_t_recycle_-
Constraint_System, 799
ppl_new_Octagonal_Shape_int8_t_recycle_-
Generator_System, 799
ppl_Octagonal_Shape_int8_t_add_-
congruence, 793
ppl_Octagonal_Shape_int8_t_add_-
congruences, 793
ppl_Octagonal_Shape_int8_t_add_constraint,
793
ppl_Octagonal_Shape_int8_t_add_constraints,
793
ppl_Octagonal_Shape_int8_t_add_recycled_-
congruences, 800
ppl_Octagonal_Shape_int8_t_add_recycled_-
constraints, 800
ppl_Octagonal_Shape_int8_t_add_space_-
dimensions_and_embed, 796
ppl_Octagonal_Shape_int8_t_add_space_-
dimensions_and_project, 796
ppl_Octagonal_Shape_int8_t_affine_-
dimension, 790
ppl_Octagonal_Shape_int8_t_affine_image,
795
ppl_Octagonal_Shape_int8_t_affine_-
preimage, 795
ppl_Octagonal_Shape_int8_t_ascii_dump, 802
ppl_Octagonal_Shape_int8_t_ascii_load, 802
ppl_Octagonal_Shape_int8_t_BHMZ05_-
widening_assign, 798
ppl_Octagonal_Shape_int8_t_BHMZ05_-
widening_assign_with_tokens, 797
ppl_Octagonal_Shape_int8_t_bounded_-
affine_image, 795
ppl_Octagonal_Shape_int8_t_bounded_-
affine_preimage, 795
ppl_Octagonal_Shape_int8_t_bounds_from_-
above, 792
ppl_Octagonal_Shape_int8_t_bounds_from_-
below, 792
ppl_Octagonal_Shape_int8_t_CC76_-
extrapolation_assign, 799
ppl_Octagonal_Shape_int8_t_CC76_-
extrapolation_assign_with_tokens,
798
ppl_Octagonal_Shape_int8_t_CC76_-
narrowing_assign, 799
ppl_Octagonal_Shape_int8_t_concatenate_-
assign, 794
ppl_Octagonal_Shape_int8_t_constrains, 795
ppl_Octagonal_Shape_int8_t_contains_-
integer_point, 791
ppl_Octagonal_Shape_int8_t_contains_-
Octagonal_Shape_int8_t, 792
ppl_Octagonal_Shape_int8_t_difference_-
assign, 794
ppl_Octagonal_Shape_int8_t_drop_some_-
non_integer_points, 797
ppl_Octagonal_Shape_int8_t_drop_some_-
non_integer_points_2, 797
ppl_Octagonal_Shape_int8_t_equals_-
Octagonal_Shape_int8_t, 793
ppl_Octagonal_Shape_int8_t_expand_space_-
dimension, 797
ppl_Octagonal_Shape_int8_t_external_-
memory_in_bytes, 797
ppl_Octagonal_Shape_int8_t_fold_space_-
dimensions, 797
ppl_Octagonal_Shape_int8_t_frequency, 792
ppl_Octagonal_Shape_int8_t_generalized_-
affine_image, 796
ppl_Octagonal_Shape_int8_t_generalized_-
affine_image_lhs_rhs, 796
ppl_Octagonal_Shape_int8_t_generalized_-
affine_preimage, 796

ppl_Octagonal_Shape_int8_t_generalized_-
affine_preimage_lhs_rhs, 796
ppl_Octagonal_Shape_int8_t_get_-
congruences, 790
ppl_Octagonal_Shape_int8_t_get_constraints,
790
ppl_Octagonal_Shape_int8_t_get_-
minimized_congruences, 791
ppl_Octagonal_Shape_int8_t_get_-
minimized_constraints, 791
ppl_Octagonal_Shape_int8_t_intersection_-
assign, 794
ppl_Octagonal_Shape_int8_t_is_bounded, 791
ppl_Octagonal_Shape_int8_t_is_discrete, 791
ppl_Octagonal_Shape_int8_t_is_disjoint_-
from_Octagonal_Shape_int8_t, 793
ppl_Octagonal_Shape_int8_t_is_empty, 791
ppl_Octagonal_Shape_int8_t_is_-
topologically_closed, 791
ppl_Octagonal_Shape_int8_t_is_universe, 791
ppl_Octagonal_Shape_int8_t_limited_-
BHMZ05_extrapolation_assign, 798
ppl_Octagonal_Shape_int8_t_limited_-
BHMZ05_extrapolation_assign_with_-
tokens, 798
ppl_Octagonal_Shape_int8_t_limited_CC76_-
extrapolation_assign, 798
ppl_Octagonal_Shape_int8_t_limited_CC76_-
extrapolation_assign_with_tokens, 798
ppl_Octagonal_Shape_int8_t_linear_partition,
799
ppl_Octagonal_Shape_int8_t_map_space_-
dimensions, 797
ppl_Octagonal_Shape_int8_t_maximize, 792
ppl_Octagonal_Shape_int8_t_maximize_-
with_point, 792
ppl_Octagonal_Shape_int8_t_minimize, 792
ppl_Octagonal_Shape_int8_t_minimize_-
with_point, 792
ppl_Octagonal_Shape_int8_t_OK, 793
ppl_Octagonal_Shape_int8_t_refine_with_-
congruence, 794
ppl_Octagonal_Shape_int8_t_refine_with_-
congruences, 794
ppl_Octagonal_Shape_int8_t_refine_with_-
constraint, 793
ppl_Octagonal_Shape_int8_t_refine_with_-
constraints, 794
ppl_Octagonal_Shape_int8_t_relation_with_-
Congruence, 790
ppl_Octagonal_Shape_int8_t_relation_with_-
Constraint, 790
ppl_Octagonal_Shape_int8_t_relation_with_-
Generator, 790
ppl_Octagonal_Shape_int8_t_remove_-
higher_space_dimensions, 796
ppl_Octagonal_Shape_int8_t_remove_space_-
dimensions, 796
ppl_Octagonal_Shape_int8_t_simplify_-
using_context_assign, 795
ppl_Octagonal_Shape_int8_t_space_-
dimension, 790
ppl_Octagonal_Shape_int8_t_strictly_-
contains_Octagonal_Shape_int8_t, 793
ppl_Octagonal_Shape_int8_t_time_elapse_-
assign, 794
ppl_Octagonal_Shape_int8_t_topological_-
closure_assign, 791
ppl_Octagonal_Shape_int8_t_total_memory_-
in_bytes, 797
ppl_Octagonal_Shape_int8_t_unconstrain_-
space_dimension, 795
ppl_Octagonal_Shape_int8_t_unconstrain_-
space_dimensions, 795
ppl_Octagonal_Shape_int8_t_upper_bound_-
assign, 794
ppl_Octagonal_Shape_int8_t_upper_bound_-
assign_if_exact, 794
ppl_Octagonal_Shape_int8_t_widening_-
assign, 798
ppl_Octagonal_Shape_int8_t_widening_-
assign_with_tokens, 798
ppl_Octagonal_Shape_int8_t_wrap_assign,
799
ppl_one_affine_ranking_function_MS_-
Octagonal_Shape_int8_t, 800
ppl_one_affine_ranking_function_MS_-
Octagonal_Shape_int8_t_2, 801
ppl_one_affine_ranking_function_PR_-
Octagonal_Shape_int8_t, 800
ppl_one_affine_ranking_function_PR_-
Octagonal_Shape_int8_t_2, 801
ppl_termination_test_MS_Octagonal_Shape_-
int8_t, 800
ppl_termination_test_MS_Octagonal_Shape_-
int8_t_2, 800
ppl_termination_test_PR_Octagonal_Shape_-
int8_t, 800
ppl_termination_test_PR_Octagonal_Shape_-
int8_t_2, 801
ppl_Octagonal_Shape_int8_t_time_elapse_assign
ppl_Octagonal_Shape_int8_t_tag, 794
ppl_Octagonal_Shape_int8_t_topological_-
closure_assign
ppl_Octagonal_Shape_int8_t_tag, 791
ppl_Octagonal_Shape_int8_t_total_memory_in_-
bytes
ppl_Octagonal_Shape_int8_t_tag, 797

ppl_Octagonal_Shape_int8_t_unconstrain_space_-dimension
ppl_Octagonal_Shape_int8_t_tag, 795
ppl_Octagonal_Shape_int8_t_unconstrain_space_-dimensions
ppl_Octagonal_Shape_int8_t_tag, 795
ppl_Octagonal_Shape_int8_t_upper_bound_assign
ppl_Octagonal_Shape_int8_t_tag, 794
ppl_Octagonal_Shape_int8_t_upper_bound_-assign_if_exact
ppl_Octagonal_Shape_int8_t_tag, 794
ppl_Octagonal_Shape_int8_t_widening_assign
ppl_Octagonal_Shape_int8_t_tag, 798
ppl_Octagonal_Shape_int8_t_widening_assign_-with_tokens
ppl_Octagonal_Shape_int8_t_tag, 798
ppl_Octagonal_Shape_int8_t_wrap_assign
ppl_Octagonal_Shape_int8_t_tag, 799
ppl_Octagonal_Shape_long_double_add_-congruence
ppl_Octagonal_Shape_long_double_tag, 822
ppl_Octagonal_Shape_long_double_add_-congruences
ppl_Octagonal_Shape_long_double_tag, 822
ppl_Octagonal_Shape_long_double_add_constraint
ppl_Octagonal_Shape_long_double_tag, 822
ppl_Octagonal_Shape_long_double_add_-constraints
ppl_Octagonal_Shape_long_double_tag, 822
ppl_Octagonal_Shape_long_double_add_-recycled_congruences
ppl_Octagonal_Shape_long_double_tag, 829
ppl_Octagonal_Shape_long_double_add_-recycled_constraints
ppl_Octagonal_Shape_long_double_tag, 829
ppl_Octagonal_Shape_long_double_add_space_-dimensions_and_embed
ppl_Octagonal_Shape_long_double_tag, 825
ppl_Octagonal_Shape_long_double_add_space_-dimensions_and_project
ppl_Octagonal_Shape_long_double_tag, 825
ppl_Octagonal_Shape_long_double_affine_-dimension
ppl_Octagonal_Shape_long_double_tag, 818
ppl_Octagonal_Shape_long_double_affine_image
ppl_Octagonal_Shape_long_double_tag, 824
ppl_Octagonal_Shape_long_double_affine_-preimage
ppl_Octagonal_Shape_long_double_tag, 824
ppl_Octagonal_Shape_long_double_ascii_dump
ppl_Octagonal_Shape_long_double_tag, 831
ppl_Octagonal_Shape_long_double_ascii_load
ppl_Octagonal_Shape_long_double_tag, 831
ppl_Octagonal_Shape_long_double_BHMZ05_-widening_assign
ppl_Octagonal_Shape_long_double_tag, 826
ppl_Octagonal_Shape_long_double_BHMZ05_-widening_assign_with_tokens
ppl_Octagonal_Shape_long_double_tag, 826
ppl_Octagonal_Shape_long_double_bounded_-affine_image
ppl_Octagonal_Shape_long_double_tag, 824
ppl_Octagonal_Shape_long_double_bounded_-affine_preimage
ppl_Octagonal_Shape_long_double_tag, 824
ppl_Octagonal_Shape_long_double_bounds_-from_above
ppl_Octagonal_Shape_long_double_tag, 820
ppl_Octagonal_Shape_long_double_bounds_-from_below
ppl_Octagonal_Shape_long_double_tag, 820
ppl_Octagonal_Shape_long_double_CC76_-extrapolation_assign
ppl_Octagonal_Shape_long_double_tag, 827
ppl_Octagonal_Shape_long_double_CC76_-extrapolation_assign_with_tokens
ppl_Octagonal_Shape_long_double_tag, 827
ppl_Octagonal_Shape_long_double_CC76_-narrowing_assign
ppl_Octagonal_Shape_long_double_tag, 828
ppl_Octagonal_Shape_long_double_concatenate_-assign
ppl_Octagonal_Shape_long_double_tag, 823
ppl_Octagonal_Shape_long_double_constrains
ppl_Octagonal_Shape_long_double_tag, 824
ppl_Octagonal_Shape_long_double_contains_-integer_point
ppl_Octagonal_Shape_long_double_tag, 820
ppl_Octagonal_Shape_long_double_contains_-Octagonal_Shape_long_double
ppl_Octagonal_Shape_long_double_tag, 821
ppl_Octagonal_Shape_long_double_difference_-assign
ppl_Octagonal_Shape_long_double_tag, 823
ppl_Octagonal_Shape_long_double_drop_some_-non_integer_points
ppl_Octagonal_Shape_long_double_tag, 826
ppl_Octagonal_Shape_long_double_drop_some_-non_integer_points_2
ppl_Octagonal_Shape_long_double_tag, 826
ppl_Octagonal_Shape_long_double_equals_-Octagonal_Shape_long_double
ppl_Octagonal_Shape_long_double_tag, 821
ppl_Octagonal_Shape_long_double_expand_-space_dimension
ppl_Octagonal_Shape_long_double_tag, 825

ppl_Octagonal_Shape_long_double_external_-
memory_in_bytes
ppl_Octagonal_Shape_long_double_tag, 826
ppl_Octagonal_Shape_long_double_fold_space_-
dimensions
ppl_Octagonal_Shape_long_double_tag, 826
ppl_Octagonal_Shape_long_double_frequency
ppl_Octagonal_Shape_long_double_tag, 821
ppl_Octagonal_Shape_long_double_generalized_-
affine_image
ppl_Octagonal_Shape_long_double_tag, 824
ppl_Octagonal_Shape_long_double_generalized_-
affine_image_lhs_rhs
ppl_Octagonal_Shape_long_double_tag, 825
ppl_Octagonal_Shape_long_double_generalized_-
affine_preimage
ppl_Octagonal_Shape_long_double_tag, 825
ppl_Octagonal_Shape_long_double_generalized_-
affine_preimage_lhs_rhs
ppl_Octagonal_Shape_long_double_tag, 825
ppl_Octagonal_Shape_long_double_get_-
congruences
ppl_Octagonal_Shape_long_double_tag, 819
ppl_Octagonal_Shape_long_double_get_-
constraints
ppl_Octagonal_Shape_long_double_tag, 819
ppl_Octagonal_Shape_long_double_get_-
minimized_congruences
ppl_Octagonal_Shape_long_double_tag, 819
ppl_Octagonal_Shape_long_double_get_-
minimized_constraints
ppl_Octagonal_Shape_long_double_tag, 819
ppl_Octagonal_Shape_long_double_intersection_-
assign
ppl_Octagonal_Shape_long_double_tag, 823
ppl_Octagonal_Shape_long_double_is_bounded
ppl_Octagonal_Shape_long_double_tag, 820
ppl_Octagonal_Shape_long_double_is_discrete
ppl_Octagonal_Shape_long_double_tag, 820
ppl_Octagonal_Shape_long_double_is_disjoint_-
from_Octagonal_Shape_long_double
ppl_Octagonal_Shape_long_double_tag, 821
ppl_Octagonal_Shape_long_double_is_empty
ppl_Octagonal_Shape_long_double_tag, 819
ppl_Octagonal_Shape_long_double_is_-
topologically_closed
ppl_Octagonal_Shape_long_double_tag, 820
ppl_Octagonal_Shape_long_double_is_universe
ppl_Octagonal_Shape_long_double_tag, 820
ppl_Octagonal_Shape_long_double_limited_-
BHMZ05_extrapolation_assign
ppl_Octagonal_Shape_long_double_tag, 827
ppl_Octagonal_Shape_long_double_limited_-
BHMZ05_extrapolation_assign_with_-
tokens
ppl_Octagonal_Shape_long_double_tag, 827
ppl_Octagonal_Shape_long_double_limited_-
CC76_extrapolation_assign
ppl_Octagonal_Shape_long_double_tag, 827
ppl_Octagonal_Shape_long_double_limited_-
CC76_extrapolation_assign_with_tokens
ppl_Octagonal_Shape_long_double_tag, 827
ppl_Octagonal_Shape_long_double_linear_-
partition
ppl_Octagonal_Shape_long_double_tag, 828
ppl_Octagonal_Shape_long_double_map_space_-
dimensions
ppl_Octagonal_Shape_long_double_tag, 826
ppl_Octagonal_Shape_long_double_maximize
ppl_Octagonal_Shape_long_double_tag, 820
ppl_Octagonal_Shape_long_double_maximize_-
with_point
ppl_Octagonal_Shape_long_double_tag, 821
ppl_Octagonal_Shape_long_double_minimize
ppl_Octagonal_Shape_long_double_tag, 821
ppl_Octagonal_Shape_long_double_minimize_-
with_point
ppl_Octagonal_Shape_long_double_tag, 821
ppl_Octagonal_Shape_long_double_OK
ppl_Octagonal_Shape_long_double_tag, 822
ppl_Octagonal_Shape_long_double_refine_with_-
congruence
ppl_Octagonal_Shape_long_double_tag, 822
ppl_Octagonal_Shape_long_double_refine_with_-
congruences
ppl_Octagonal_Shape_long_double_tag, 823
ppl_Octagonal_Shape_long_double_refine_with_-
constraint
ppl_Octagonal_Shape_long_double_tag, 822
ppl_Octagonal_Shape_long_double_refine_with_-
constraints
ppl_Octagonal_Shape_long_double_tag, 822
ppl_Octagonal_Shape_long_double_relation_-
with_Congruence
ppl_Octagonal_Shape_long_double_tag, 819
ppl_Octagonal_Shape_long_double_relation_-
with_Constraint
ppl_Octagonal_Shape_long_double_tag, 819
ppl_Octagonal_Shape_long_double_relation_-
with_Generator
ppl_Octagonal_Shape_long_double_tag, 819
ppl_Octagonal_Shape_long_double_remove_-
higher_space_dimensions
ppl_Octagonal_Shape_long_double_tag, 825
ppl_Octagonal_Shape_long_double_remove_-
space_dimensions
ppl_Octagonal_Shape_long_double_tag, 825

ppl_Octagonal_Shape_long_double_simplify_-
using_context_assign
ppl_Octagonal_Shape_long_double_tag, 823
ppl_Octagonal_Shape_long_double_space_-
dimension
ppl_Octagonal_Shape_long_double_tag, 818
ppl_Octagonal_Shape_long_double_strictly_-
contains_Octagonal_Shape_long_double
ppl_Octagonal_Shape_long_double_tag, 821
ppl_Octagonal_Shape_long_double_tag, 802
ppl_all_affine_ranking_functions_MS_-
Octagonal_Shape_long_double, 829
ppl_all_affine_ranking_functions_MS_-
Octagonal_Shape_long_double_2, 830
ppl_all_affine_ranking_functions_PR_-
Octagonal_Shape_long_double, 829
ppl_all_affine_ranking_functions_PR_-
Octagonal_Shape_long_double_2, 830
ppl_assign_Octagonal_Shape_long_double_-
from_Octagonal_Shape_long_double,
828
ppl_delete_Octagonal_Shape_long_double,
809
ppl_io_asprint_Octagonal_Shape_long_-
double, 830
ppl_io_fprint_Octagonal_Shape_long_double,
830
ppl_io_print_Octagonal_Shape_long_double,
830
ppl_new_Octagonal_Shape_long_double_-
from_BD_Shape_double, 813
ppl_new_Octagonal_Shape_long_double_-
from_BD_Shape_double_with_-
complexity, 817
ppl_new_Octagonal_Shape_long_double_-
from_BD_Shape_float, 813
ppl_new_Octagonal_Shape_long_double_-
from_BD_Shape_float_with_complexity,
817
ppl_new_Octagonal_Shape_long_double_-
from_BD_Shape_int16_t, 811
ppl_new_Octagonal_Shape_long_double_-
from_BD_Shape_int16_t_with_-
complexity, 815
ppl_new_Octagonal_Shape_long_double_-
from_BD_Shape_int32_t, 811
ppl_new_Octagonal_Shape_long_double_-
from_BD_Shape_int32_t_with_-
complexity, 815
ppl_new_Octagonal_Shape_long_double_-
from_BD_Shape_int64_t, 811
ppl_new_Octagonal_Shape_long_double_-
from_BD_Shape_int64_t_with_-
complexity, 815
ppl_new_Octagonal_Shape_long_double_-
from_BD_Shape_int8_t, 811
ppl_new_Octagonal_Shape_long_double_-
from_BD_Shape_int8_t_with_-
complexity, 815
ppl_new_Octagonal_Shape_long_double_-
from_BD_Shape_long_double, 813
ppl_new_Octagonal_Shape_long_double_-
from_BD_Shape_long_double_with_-
complexity, 818
ppl_new_Octagonal_Shape_long_double_-
from_BD_Shape_mpq_class, 811
ppl_new_Octagonal_Shape_long_double_-
from_BD_Shape_mpq_class_with_-
complexity, 816
ppl_new_Octagonal_Shape_long_double_-
from_BD_Shape_mpz_class, 811
ppl_new_Octagonal_Shape_long_double_-
from_BD_Shape_mpz_class_with_-
complexity, 815
ppl_new_Octagonal_Shape_long_double_-
from_C_Polyhedron, 812
ppl_new_Octagonal_Shape_long_double_-
from_C_Polyhedron_with_complexity,
816
ppl_new_Octagonal_Shape_long_double_-
from_Congruence_System, 818
ppl_new_Octagonal_Shape_long_double_-
from_Constraint_System, 818
ppl_new_Octagonal_Shape_long_double_-
from_Double_Box, 813
ppl_new_Octagonal_Shape_long_double_-
from_Double_Box_with_complexity,
817
ppl_new_Octagonal_Shape_long_double_-
from_Float_Box, 813
ppl_new_Octagonal_Shape_long_double_-
from_Float_Box_with_complexity, 817
ppl_new_Octagonal_Shape_long_double_-
from_Generator_System, 818
ppl_new_Octagonal_Shape_long_double_-
from_Grid, 812
ppl_new_Octagonal_Shape_long_double_-
from_Grid_with_complexity, 817
ppl_new_Octagonal_Shape_long_double_-
from_Int16_Box, 810
ppl_new_Octagonal_Shape_long_double_-
from_Int16_Box_with_complexity,
814
ppl_new_Octagonal_Shape_long_double_-
from_Int32_Box, 810
ppl_new_Octagonal_Shape_long_double_-
from_Int32_Box_with_complexity,
814

ppl_new_Octagonal_Shape_long_double_-from_Int64_Box, 810
ppl_new_Octagonal_Shape_long_double_-from_Int64_Box_with_complexity, 814
ppl_new_Octagonal_Shape_long_double_-from_Int8_Box, 810
ppl_new_Octagonal_Shape_long_double_-from_Int8_Box_with_complexity, 814
ppl_new_Octagonal_Shape_long_double_-from_Long_Double_Box, 813
ppl_new_Octagonal_Shape_long_double_-from_Long_Double_Box_with_-complexity, 818
ppl_new_Octagonal_Shape_long_double_-from_NNC_Polyhedron, 812
ppl_new_Octagonal_Shape_long_double_-from_NNC_Polyhedron_with_-complexity, 817
ppl_new_Octagonal_Shape_long_double_-from_Octagonal_Shape_double, 813
ppl_new_Octagonal_Shape_long_double_-from_Octagonal_Shape_double_with_-complexity, 817
ppl_new_Octagonal_Shape_long_double_-from_Octagonal_Shape_float, 813
ppl_new_Octagonal_Shape_long_double_-from_Octagonal_Shape_float_with_-complexity, 817
ppl_new_Octagonal_Shape_long_double_-from_Octagonal_Shape_int16_t, 812
ppl_new_Octagonal_Shape_long_double_-from_Octagonal_Shape_int32_t, 812
ppl_new_Octagonal_Shape_long_double_-from_Octagonal_Shape_int64_t, 812
ppl_new_Octagonal_Shape_long_double_-from_Octagonal_Shape_int8_t, 811
ppl_new_Octagonal_Shape_long_double_-from_Octagonal_Shape_long_double, 814
ppl_new_Octagonal_Shape_long_double_-from_Octagonal_Shape_mpq_class, 812
ppl_new_Octagonal_Shape_long_double_-from_Octagonal_Shape_mpz_class, 812
ppl_new_Octagonal_Shape_long_double_-from_Rational_Box, 811
ppl_new_Octagonal_Shape_long_double_-from_Rational_Box_with_complexity, 815
ppl_new_Octagonal_Shape_long_double_-from_space_dimension, 809
ppl_new_Octagonal_Shape_long_double_-from_Uint16_Box, 810
ppl_new_Octagonal_Shape_long_double_-from_Uint16_Box_with_complexity, 814
ppl_new_Octagonal_Shape_long_double_-from_Uint32_Box, 810
ppl_new_Octagonal_Shape_long_double_-from_Uint32_Box_with_complexity, 814
ppl_new_Octagonal_Shape_long_double_-from_Uint64_Box, 810
ppl_new_Octagonal_Shape_long_double_-from_Uint64_Box_with_complexity, 815
ppl_new_Octagonal_Shape_long_double_-from_Uint8_Box, 810
ppl_new_Octagonal_Shape_long_double_-from_Uint8_Box_with_complexity, 814
ppl_new_Octagonal_Shape_long_double_-from_Z_Box, 810
ppl_new_Octagonal_Shape_long_double_-from_Z_Box_with_complexity, 815
ppl_new_Octagonal_Shape_long_double_-recycle_Congruence_System, 828
ppl_new_Octagonal_Shape_long_double_-recycle_Constraint_System, 828
ppl_new_Octagonal_Shape_long_double_-recycle_Generator_System, 828
ppl_Octagonal_Shape_long_double_add_-congruence, 822
ppl_Octagonal_Shape_long_double_add_-congruences, 822
ppl_Octagonal_Shape_long_double_add_-constraint, 822
ppl_Octagonal_Shape_long_double_add_-constraints, 822
ppl_Octagonal_Shape_long_double_add_-recycled_congruences, 829
ppl_Octagonal_Shape_long_double_add_-recycled_constraints, 829
ppl_Octagonal_Shape_long_double_add_-space_dimensions_and_embed, 825
ppl_Octagonal_Shape_long_double_add_-space_dimensions_and_project, 825
ppl_Octagonal_Shape_long_double_affine_-dimension, 818
ppl_Octagonal_Shape_long_double_affine_-image, 824
ppl_Octagonal_Shape_long_double_affine_-preimage, 824
ppl_Octagonal_Shape_long_double_ascii_-dump, 831
ppl_Octagonal_Shape_long_double_ascii_-

load, 831
ppl_Octagonal_Shape_long_double_-BHMZ05_widening_assign, 826
ppl_Octagonal_Shape_long_double_-BHMZ05_widening_assign_with_-tokens, 826
ppl_Octagonal_Shape_long_double_-bounded_affine_image, 824
ppl_Octagonal_Shape_long_double_-bounded_affine_preimage, 824
ppl_Octagonal_Shape_long_double_bounds_-from_above, 820
ppl_Octagonal_Shape_long_double_bounds_-from_below, 820
ppl_Octagonal_Shape_long_double_CC76_-extrapolation_assign, 827
ppl_Octagonal_Shape_long_double_CC76_-extrapolation_assign_with_tokens, 827
ppl_Octagonal_Shape_long_double_CC76_-narrowing_assign, 828
ppl_Octagonal_Shape_long_double_-concatenate_assign, 823
ppl_Octagonal_Shape_long_double_-constrains, 824
ppl_Octagonal_Shape_long_double_-contains_integer_point, 820
ppl_Octagonal_Shape_long_double_-contains_Octagonal_Shape_long_double, 821
ppl_Octagonal_Shape_long_double_-difference_assign, 823
ppl_Octagonal_Shape_long_double_drop_-some_non_integer_points, 826
ppl_Octagonal_Shape_long_double_drop_-some_non_integer_points_2, 826
ppl_Octagonal_Shape_long_double_equals_-Octagonal_Shape_long_double, 821
ppl_Octagonal_Shape_long_double_expand_-space_dimension, 825
ppl_Octagonal_Shape_long_double_-external_memory_in_bytes, 826
ppl_Octagonal_Shape_long_double_fold_-space_dimensions, 826
ppl_Octagonal_Shape_long_double_-frequency, 821
ppl_Octagonal_Shape_long_double_-generalized_affine_image, 824
ppl_Octagonal_Shape_long_double_-generalized_affine_image_lhs_rhs, 825
ppl_Octagonal_Shape_long_double_-generalized_affine_preimage, 825
ppl_Octagonal_Shape_long_double_-generalized_affine_preimage_lhs_rhs, 825
ppl_Octagonal_Shape_long_double_get_-congruences, 819
ppl_Octagonal_Shape_long_double_get_-constraints, 819
ppl_Octagonal_Shape_long_double_get_-minimized_congruences, 819
ppl_Octagonal_Shape_long_double_get_-minimized_constraints, 819
ppl_Octagonal_Shape_long_double_-intersection_assign, 823
ppl_Octagonal_Shape_long_double_is_-bounded, 820
ppl_Octagonal_Shape_long_double_is_-discrete, 820
ppl_Octagonal_Shape_long_double_is_-disjoint_from_Octagonal_Shape_long_-double, 821
ppl_Octagonal_Shape_long_double_is_-empty, 819
ppl_Octagonal_Shape_long_double_is_-topologically_closed, 820
ppl_Octagonal_Shape_long_double_is_-universe, 820
ppl_Octagonal_Shape_long_double_limited_-BHMZ05_extrapolation_assign, 827
ppl_Octagonal_Shape_long_double_limited_-BHMZ05_extrapolation_assign_with_-tokens, 827
ppl_Octagonal_Shape_long_double_limited_-CC76_extrapolation_assign, 827
ppl_Octagonal_Shape_long_double_limited_-CC76_extrapolation_assign_with_tokens, 827
ppl_Octagonal_Shape_long_double_linear_-partition, 828
ppl_Octagonal_Shape_long_double_map_-space_dimensions, 826
ppl_Octagonal_Shape_long_double_-maximize, 820
ppl_Octagonal_Shape_long_double_-maximize_with_point, 821
ppl_Octagonal_Shape_long_double_-minimize, 821
ppl_Octagonal_Shape_long_double_-minimize_with_point, 821
ppl_Octagonal_Shape_long_double_OK, 822
ppl_Octagonal_Shape_long_double_refine_-with_congruence, 822
ppl_Octagonal_Shape_long_double_refine_-with_congruences, 823
ppl_Octagonal_Shape_long_double_refine_-with_constraint, 822
ppl_Octagonal_Shape_long_double_refine_-

with_constraints, 822
ppl_Octagonal_Shape_long_double_relation_-with_Congruence, 819
ppl_Octagonal_Shape_long_double_relation_-with_Constraint, 819
ppl_Octagonal_Shape_long_double_relation_-with_Generator, 819
ppl_Octagonal_Shape_long_double_remove_-higher_space_dimensions, 825
ppl_Octagonal_Shape_long_double_remove_-space_dimensions, 825
ppl_Octagonal_Shape_long_double_-simplify_using_context_assign, 823
ppl_Octagonal_Shape_long_double_space_-dimension, 818
ppl_Octagonal_Shape_long_double_strictly_-contains_Octagonal_Shape_long_double, 821
ppl_Octagonal_Shape_long_double_time_-elapse_assign, 823
ppl_Octagonal_Shape_long_double_-topological_closure_assign, 820
ppl_Octagonal_Shape_long_double_total_-memory_in_bytes, 826
ppl_Octagonal_Shape_long_double_-unconstrain_space_dimension, 824
ppl_Octagonal_Shape_long_double_-unconstrain_space_dimensions, 824
ppl_Octagonal_Shape_long_double_upper_-bound_assign, 823
ppl_Octagonal_Shape_long_double_upper_-bound_assign_if_exact, 823
ppl_Octagonal_Shape_long_double_-widening_assign, 827
ppl_Octagonal_Shape_long_double_-widening_assign_with_tokens, 827
ppl_Octagonal_Shape_long_double_wrap_-assign, 828
ppl_one_affine_ranking_function_MS_-Octagonal_Shape_long_double, 829
ppl_one_affine_ranking_function_MS_-Octagonal_Shape_long_double_2, 830
ppl_one_affine_ranking_function_PR_-Octagonal_Shape_long_double, 829
ppl_one_affine_ranking_function_PR_-Octagonal_Shape_long_double_2, 830
ppl_termination_test_MS_Octagonal_Shape_-long_double, 829
ppl_termination_test_MS_Octagonal_Shape_-long_double_2, 829
ppl_termination_test_PR_Octagonal_Shape_-long_double, 829
ppl_termination_test_PR_Octagonal_Shape_-long_double_2, 830
ppl_Octagonal_Shape_long_double_time_elapse_-assign
ppl_Octagonal_Shape_long_double_tag, 823
ppl_Octagonal_Shape_long_double_topological_-closure_assign
ppl_Octagonal_Shape_long_double_tag, 820
ppl_Octagonal_Shape_long_double_total_-memory_in_bytes
ppl_Octagonal_Shape_long_double_tag, 826
ppl_Octagonal_Shape_long_double_unconstrain_-space_dimension
ppl_Octagonal_Shape_long_double_tag, 824
ppl_Octagonal_Shape_long_double_unconstrain_-space_dimensions
ppl_Octagonal_Shape_long_double_tag, 824
ppl_Octagonal_Shape_long_double_upper_-bound_assign
ppl_Octagonal_Shape_long_double_tag, 823
ppl_Octagonal_Shape_long_double_upper_-bound_assign_if_exact
ppl_Octagonal_Shape_long_double_tag, 823
ppl_Octagonal_Shape_long_double_widening_-assign
ppl_Octagonal_Shape_long_double_tag, 827
ppl_Octagonal_Shape_long_double_widening_-assign_with_tokens
ppl_Octagonal_Shape_long_double_tag, 827
ppl_Octagonal_Shape_long_double_wrap_assign
ppl_Octagonal_Shape_long_double_tag, 828
ppl_Octagonal_Shape_mpq_class_add_congruence
ppl_Octagonal_Shape_mpq_class_tag, 851
ppl_Octagonal_Shape_mpq_class_add_-congruences
ppl_Octagonal_Shape_mpq_class_tag, 851
ppl_Octagonal_Shape_mpq_class_add_constraint
ppl_Octagonal_Shape_mpq_class_tag, 851
ppl_Octagonal_Shape_mpq_class_add_constraints
ppl_Octagonal_Shape_mpq_class_tag, 851
ppl_Octagonal_Shape_mpq_class_add_recycled_-congruences
ppl_Octagonal_Shape_mpq_class_tag, 858
ppl_Octagonal_Shape_mpq_class_add_recycled_-constraints
ppl_Octagonal_Shape_mpq_class_tag, 858
ppl_Octagonal_Shape_mpq_class_add_space_-dimensions_and_embed
ppl_Octagonal_Shape_mpq_class_tag, 854
ppl_Octagonal_Shape_mpq_class_add_space_-dimensions_and_project
ppl_Octagonal_Shape_mpq_class_tag, 854
ppl_Octagonal_Shape_mpq_class_affine_-dimension
ppl_Octagonal_Shape_mpq_class_tag, 848
ppl_Octagonal_Shape_mpq_class_affine_image

ppl_Octagonal_Shape_mpq_class_tag, 853
ppl_Octagonal_Shape_mpq_class_affine_preimage
ppl_Octagonal_Shape_mpq_class_tag, 853
ppl_Octagonal_Shape_mpq_class_ascii_dump
ppl_Octagonal_Shape_mpq_class_tag, 860
ppl_Octagonal_Shape_mpq_class_ascii_load
ppl_Octagonal_Shape_mpq_class_tag, 860
ppl_Octagonal_Shape_mpq_class_BHMZ05_-widening_assign
ppl_Octagonal_Shape_mpq_class_tag, 856
ppl_Octagonal_Shape_mpq_class_BHMZ05_-widening_assign_with_tokens
ppl_Octagonal_Shape_mpq_class_tag, 855
ppl_Octagonal_Shape_mpq_class_bounded_-affine_image
ppl_Octagonal_Shape_mpq_class_tag, 853
ppl_Octagonal_Shape_mpq_class_bounded_-affine_preimage
ppl_Octagonal_Shape_mpq_class_tag, 853
ppl_Octagonal_Shape_mpq_class_bounds_from_-above
ppl_Octagonal_Shape_mpq_class_tag, 849
ppl_Octagonal_Shape_mpq_class_bounds_from_-below
ppl_Octagonal_Shape_mpq_class_tag, 849
ppl_Octagonal_Shape_mpq_class_CC76_-extrapolation_assign
ppl_Octagonal_Shape_mpq_class_tag, 857
ppl_Octagonal_Shape_mpq_class_CC76_-extrapolation_assign_with_tokens
ppl_Octagonal_Shape_mpq_class_tag, 856
ppl_Octagonal_Shape_mpq_class_CC76_-narrowing_assign
ppl_Octagonal_Shape_mpq_class_tag, 857
ppl_Octagonal_Shape_mpq_class_concatenate_-assign
ppl_Octagonal_Shape_mpq_class_tag, 852
ppl_Octagonal_Shape_mpq_class_constrains
ppl_Octagonal_Shape_mpq_class_tag, 853
ppl_Octagonal_Shape_mpq_class_contains_-integer_point
ppl_Octagonal_Shape_mpq_class_tag, 849
ppl_Octagonal_Shape_mpq_class_contains_-Octagonal_Shape_mpq_class
ppl_Octagonal_Shape_mpq_class_tag, 850
ppl_Octagonal_Shape_mpq_class_difference_-assign
ppl_Octagonal_Shape_mpq_class_tag, 852
ppl_Octagonal_Shape_mpq_class_drop_some_-non_integer_points
ppl_Octagonal_Shape_mpq_class_tag, 855
ppl_Octagonal_Shape_mpq_class_drop_some_-non_integer_points_2
ppl_Octagonal_Shape_mpq_class_tag, 855
ppl_Octagonal_Shape_mpq_class_equals_-Octagonal_Shape_mpq_class
ppl_Octagonal_Shape_mpq_class_tag, 851
ppl_Octagonal_Shape_mpq_class_expand_space_-dimension
ppl_Octagonal_Shape_mpq_class_tag, 855
ppl_Octagonal_Shape_mpq_class_external_-memory_in_bytes
ppl_Octagonal_Shape_mpq_class_tag, 855
ppl_Octagonal_Shape_mpq_class_fold_space_-dimensions
ppl_Octagonal_Shape_mpq_class_tag, 855
ppl_Octagonal_Shape_mpq_class_frequency
ppl_Octagonal_Shape_mpq_class_tag, 850
ppl_Octagonal_Shape_mpq_class_generalized_-affine_image
ppl_Octagonal_Shape_mpq_class_tag, 854
ppl_Octagonal_Shape_mpq_class_generalized_-affine_image_lhs_rhs
ppl_Octagonal_Shape_mpq_class_tag, 854
ppl_Octagonal_Shape_mpq_class_generalized_-affine_preimage
ppl_Octagonal_Shape_mpq_class_tag, 854
ppl_Octagonal_Shape_mpq_class_generalized_-affine_preimage_lhs_rhs
ppl_Octagonal_Shape_mpq_class_tag, 854
ppl_Octagonal_Shape_mpq_class_get_-congruences
ppl_Octagonal_Shape_mpq_class_tag, 848
ppl_Octagonal_Shape_mpq_class_get_constraints
ppl_Octagonal_Shape_mpq_class_tag, 848
ppl_Octagonal_Shape_mpq_class_get_-minimized_congruences
ppl_Octagonal_Shape_mpq_class_tag, 848
ppl_Octagonal_Shape_mpq_class_get_-minimized_constraints
ppl_Octagonal_Shape_mpq_class_tag, 848
ppl_Octagonal_Shape_mpq_class_intersection_-assign
ppl_Octagonal_Shape_mpq_class_tag, 852
ppl_Octagonal_Shape_mpq_class_is_bounded
ppl_Octagonal_Shape_mpq_class_tag, 849
ppl_Octagonal_Shape_mpq_class_is_discrete
ppl_Octagonal_Shape_mpq_class_tag, 849
ppl_Octagonal_Shape_mpq_class_is_disjoint_-from_Octagonal_Shape_mpq_class
ppl_Octagonal_Shape_mpq_class_tag, 850
ppl_Octagonal_Shape_mpq_class_is_empty
ppl_Octagonal_Shape_mpq_class_tag, 849
ppl_Octagonal_Shape_mpq_class_is_-topologically_closed
ppl_Octagonal_Shape_mpq_class_tag, 849
ppl_Octagonal_Shape_mpq_class_is_universe
ppl_Octagonal_Shape_mpq_class_tag, 849

ppl_Octagonal_Shape_mpq_class_limited_-
BHMZ05_extrapolation_assign
ppl_Octagonal_Shape_mpq_class_tag, 856
ppl_Octagonal_Shape_mpq_class_limited_-
BHMZ05_extrapolation_assign_with_-
tokens
ppl_Octagonal_Shape_mpq_class_tag, 856
ppl_Octagonal_Shape_mpq_class_limited_CC76_-
extrapolation_assign
ppl_Octagonal_Shape_mpq_class_tag, 856
ppl_Octagonal_Shape_mpq_class_limited_CC76_-
extrapolation_assign_with_tokens
ppl_Octagonal_Shape_mpq_class_tag, 856
ppl_Octagonal_Shape_mpq_class_linear_partition
ppl_Octagonal_Shape_mpq_class_tag, 857
ppl_Octagonal_Shape_mpq_class_map_space_-
dimensions
ppl_Octagonal_Shape_mpq_class_tag, 855
ppl_Octagonal_Shape_mpq_class_maximize
ppl_Octagonal_Shape_mpq_class_tag, 850
ppl_Octagonal_Shape_mpq_class_maximize_-
with_point
ppl_Octagonal_Shape_mpq_class_tag, 850
ppl_Octagonal_Shape_mpq_class_minimize
ppl_Octagonal_Shape_mpq_class_tag, 850
ppl_Octagonal_Shape_mpq_class_minimize_-
with_point
ppl_Octagonal_Shape_mpq_class_tag, 850
ppl_Octagonal_Shape_mpq_class_OK
ppl_Octagonal_Shape_mpq_class_tag, 851
ppl_Octagonal_Shape_mpq_class_refine_with_-
congruence
ppl_Octagonal_Shape_mpq_class_tag, 851
ppl_Octagonal_Shape_mpq_class_refine_with_-
congruences
ppl_Octagonal_Shape_mpq_class_tag, 852
ppl_Octagonal_Shape_mpq_class_refine_with_-
constraint
ppl_Octagonal_Shape_mpq_class_tag, 851
ppl_Octagonal_Shape_mpq_class_refine_with_-
constraints
ppl_Octagonal_Shape_mpq_class_tag, 852
ppl_Octagonal_Shape_mpq_class_relation_with_-
Congruence
ppl_Octagonal_Shape_mpq_class_tag, 848
ppl_Octagonal_Shape_mpq_class_relation_with_-
Constraint
ppl_Octagonal_Shape_mpq_class_tag, 848
ppl_Octagonal_Shape_mpq_class_relation_with_-
Generator
ppl_Octagonal_Shape_mpq_class_tag, 848
ppl_Octagonal_Shape_mpq_class_remove_-
higher_space_dimensions
ppl_Octagonal_Shape_mpq_class_tag, 854
ppl_Octagonal_Shape_mpq_class_remove_space_-
dimensions
ppl_Octagonal_Shape_mpq_class_tag, 854
ppl_Octagonal_Shape_mpq_class_simplify_-
using_context_assign
ppl_Octagonal_Shape_mpq_class_tag, 853
ppl_Octagonal_Shape_mpq_class_space_-
dimension
ppl_Octagonal_Shape_mpq_class_tag, 847
ppl_Octagonal_Shape_mpq_class_strictly_-
contains_Octagonal_Shape_mpq_class
ppl_Octagonal_Shape_mpq_class_tag, 850
ppl_Octagonal_Shape_mpq_class_tag, 831
ppl_all_affine_ranking_functions_MS_-
Octagonal_Shape_mpq_class, 858
ppl_all_affine_ranking_functions_MS_-
Octagonal_Shape_mpq_class_2, 859
ppl_all_affine_ranking_functions_PR_-
Octagonal_Shape_mpq_class, 858
ppl_all_affine_ranking_functions_PR_-
Octagonal_Shape_mpq_class_2, 859
ppl_assign_Octagonal_Shape_mpq_class_-
from_Octagonal_Shape_mpq_class,
858
ppl_delete_Octagonal_Shape_mpq_class, 838
ppl_io_asprint_Octagonal_Shape_mpq_class,
860
ppl_io_fprint_Octagonal_Shape_mpq_class,
859
ppl_io_print_Octagonal_Shape_mpq_class,
859
ppl_new_Octagonal_Shape_mpq_class_-
from_BD_Shape_double, 842
ppl_new_Octagonal_Shape_mpq_class_-
from_BD_Shape_double_with_-
complexity, 846
ppl_new_Octagonal_Shape_mpq_class_-
from_BD_Shape_float, 842
ppl_new_Octagonal_Shape_mpq_class_-
from_BD_Shape_float_with_complexity,
846
ppl_new_Octagonal_Shape_mpq_class_-
from_BD_Shape_int16_t, 840
ppl_new_Octagonal_Shape_mpq_class_-
from_BD_Shape_int16_t_with_-
complexity, 844
ppl_new_Octagonal_Shape_mpq_class_-
from_BD_Shape_int32_t, 840
ppl_new_Octagonal_Shape_mpq_class_-
from_BD_Shape_int32_t_with_-
complexity, 844
ppl_new_Octagonal_Shape_mpq_class_-
from_BD_Shape_int64_t, 840
ppl_new_Octagonal_Shape_mpq_class_-

from_BD_Shape_int64_t_with_-complexity, 844
ppl_new_Octagonal_Shape_mpq_class_-from_BD_Shape_int8_t, 840
ppl_new_Octagonal_Shape_mpq_class_-from_BD_Shape_int8_t_with_-complexity, 844
ppl_new_Octagonal_Shape_mpq_class_-from_BD_Shape_long_double, 843
ppl_new_Octagonal_Shape_mpq_class_-from_BD_Shape_long_double_with_-complexity, 847
ppl_new_Octagonal_Shape_mpq_class_-from_BD_Shape_mpq_class, 840
ppl_new_Octagonal_Shape_mpq_class_-from_BD_Shape_mpq_class_with_-complexity, 845
ppl_new_Octagonal_Shape_mpq_class_-from_BD_Shape_mpz_class, 840
ppl_new_Octagonal_Shape_mpq_class_-from_BD_Shape_mpz_class_with_-complexity, 845
ppl_new_Octagonal_Shape_mpq_class_-from_C_Polyhedron, 841
ppl_new_Octagonal_Shape_mpq_class_-from_C_Polyhedron_with_complexity, 846
ppl_new_Octagonal_Shape_mpq_class_-from_Congruence_System, 847
ppl_new_Octagonal_Shape_mpq_class_-from_Constraint_System, 847
ppl_new_Octagonal_Shape_mpq_class_-from_Double_Box, 842
ppl_new_Octagonal_Shape_mpq_class_-from_Double_Box_with_complexity, 846
ppl_new_Octagonal_Shape_mpq_class_-from_Float_Box, 842
ppl_new_Octagonal_Shape_mpq_class_-from_Float_Box_with_complexity, 846
ppl_new_Octagonal_Shape_mpq_class_-from_Generator_System, 847
ppl_new_Octagonal_Shape_mpq_class_-from_Grid, 842
ppl_new_Octagonal_Shape_mpq_class_-from_Grid_with_complexity, 846
ppl_new_Octagonal_Shape_mpq_class_-from_Int16_Box, 839
ppl_new_Octagonal_Shape_mpq_class_-from_Int16_Box_with_complexity, 843
ppl_new_Octagonal_Shape_mpq_class_-from_Int32_Box, 839
ppl_new_Octagonal_Shape_mpq_class_-from_Int32_Box_with_complexity, 843
ppl_new_Octagonal_Shape_mpq_class_-from_Int64_Box, 839
ppl_new_Octagonal_Shape_mpq_class_-from_Int64_Box_with_complexity, 843
ppl_new_Octagonal_Shape_mpq_class_-from_Int8_Box, 839
ppl_new_Octagonal_Shape_mpq_class_-from_Int8_Box_with_complexity, 843
ppl_new_Octagonal_Shape_mpq_class_-from_Long_Double_Box, 842
ppl_new_Octagonal_Shape_mpq_class_-from_Long_Double_Box_with_-complexity, 847
ppl_new_Octagonal_Shape_mpq_class_-from_NNC_Polyhedron, 841
ppl_new_Octagonal_Shape_mpq_class_-from_NNC_Polyhedron_with_-complexity, 846
ppl_new_Octagonal_Shape_mpq_class_-from_Octagonal_Shape_double, 842
ppl_new_Octagonal_Shape_mpq_class_-from_Octagonal_Shape_double_with_-complexity, 847
ppl_new_Octagonal_Shape_mpq_class_-from_Octagonal_Shape_float, 842
ppl_new_Octagonal_Shape_mpq_class_-from_Octagonal_Shape_float_with_-complexity, 846
ppl_new_Octagonal_Shape_mpq_class_-from_Octagonal_Shape_int16_t, 841
ppl_new_Octagonal_Shape_mpq_class_-from_Octagonal_Shape_int16_t_with_-complexity, 845
ppl_new_Octagonal_Shape_mpq_class_-from_Octagonal_Shape_int32_t, 841
ppl_new_Octagonal_Shape_mpq_class_-from_Octagonal_Shape_int32_t_with_-complexity, 845
ppl_new_Octagonal_Shape_mpq_class_-from_Octagonal_Shape_int64_t, 841
ppl_new_Octagonal_Shape_mpq_class_-from_Octagonal_Shape_int64_t_with_-complexity, 845
ppl_new_Octagonal_Shape_mpq_class_-from_Octagonal_Shape_int8_t, 841
ppl_new_Octagonal_Shape_mpq_class_-from_Octagonal_Shape_int8_t_with_-complexity, 845
ppl_new_Octagonal_Shape_mpq_class_-from_Octagonal_Shape_long_double, 843

ppl_new_Octagonal_Shape_mpq_class_-
from_Octagonal_Shape_mpq_class,
841
ppl_new_Octagonal_Shape_mpq_class_-
from_Octagonal_Shape_mpz_class,
841
ppl_new_Octagonal_Shape_mpq_class_-
from_Rational_Box, 840
ppl_new_Octagonal_Shape_mpq_class_-
from_Rational_Box_with_complexity,
844
ppl_new_Octagonal_Shape_mpq_class_-
from_space_dimension, 838
ppl_new_Octagonal_Shape_mpq_class_-
from_Uint16_Box, 839
ppl_new_Octagonal_Shape_mpq_class_-
from_Uint16_Box_with_complexity,
843
ppl_new_Octagonal_Shape_mpq_class_-
from_Uint32_Box, 839
ppl_new_Octagonal_Shape_mpq_class_-
from_Uint32_Box_with_complexity,
844
ppl_new_Octagonal_Shape_mpq_class_-
from_Uint64_Box, 839
ppl_new_Octagonal_Shape_mpq_class_-
from_Uint64_Box_with_complexity,
844
ppl_new_Octagonal_Shape_mpq_class_-
from_Uint8_Box, 839
ppl_new_Octagonal_Shape_mpq_class_-
from_Uint8_Box_with_complexity,
843
ppl_new_Octagonal_Shape_mpq_class_-
from_Z_Box, 840
ppl_new_Octagonal_Shape_mpq_class_-
from_Z_Box_with_complexity, 844
ppl_new_Octagonal_Shape_mpq_class_-
recycle_Congruence_System, 857
ppl_new_Octagonal_Shape_mpq_class_-
recycle_Constraint_System, 857
ppl_new_Octagonal_Shape_mpq_class_-
recycle_Generator_System, 857
ppl_Octagonal_Shape_mpq_class_add_-
congruence, 851
ppl_Octagonal_Shape_mpq_class_add_-
congruences, 851
ppl_Octagonal_Shape_mpq_class_add_-
constraint, 851
ppl_Octagonal_Shape_mpq_class_add_-
constraints, 851
ppl_Octagonal_Shape_mpq_class_add_-
recycled_congruences, 858
ppl_Octagonal_Shape_mpq_class_add_-
recycled_constraints, 858
ppl_Octagonal_Shape_mpq_class_add_-
space_dimensions_and_embed, 854
ppl_Octagonal_Shape_mpq_class_add_-
space_dimensions_and_project, 854
ppl_Octagonal_Shape_mpq_class_affine_-
dimension, 848
ppl_Octagonal_Shape_mpq_class_affine_-
image, 853
ppl_Octagonal_Shape_mpq_class_affine_-
preimage, 853
ppl_Octagonal_Shape_mpq_class_ascii_-
dump, 860
ppl_Octagonal_Shape_mpq_class_ascii_load,
860
ppl_Octagonal_Shape_mpq_class_-
BHMZ05_widening_assign, 856
ppl_Octagonal_Shape_mpq_class_-
BHMZ05_widening_assign_with_-
tokens, 855
ppl_Octagonal_Shape_mpq_class_bounded_-
affine_image, 853
ppl_Octagonal_Shape_mpq_class_bounded_-
affine_preimage, 853
ppl_Octagonal_Shape_mpq_class_bounds_-
from_above, 849
ppl_Octagonal_Shape_mpq_class_bounds_-
from_below, 849
ppl_Octagonal_Shape_mpq_class_CC76_-
extrapolation_assign, 857
ppl_Octagonal_Shape_mpq_class_CC76_-
extrapolation_assign_with_tokens, 856
ppl_Octagonal_Shape_mpq_class_CC76_-
narrowing_assign, 857
ppl_Octagonal_Shape_mpq_class_-
concatenate_assign, 852
ppl_Octagonal_Shape_mpq_class_constrains,
853
ppl_Octagonal_Shape_mpq_class_contains_-
integer_point, 849
ppl_Octagonal_Shape_mpq_class_contains_-
Octagonal_Shape_mpq_class, 850
ppl_Octagonal_Shape_mpq_class_-
difference_assign, 852
ppl_Octagonal_Shape_mpq_class_drop_-
some_non_integer_points, 855
ppl_Octagonal_Shape_mpq_class_drop_-
some_non_integer_points_2, 855
ppl_Octagonal_Shape_mpq_class_equals_-
Octagonal_Shape_mpq_class, 851
ppl_Octagonal_Shape_mpq_class_expand_-
space_dimension, 855
ppl_Octagonal_Shape_mpq_class_external_-
memory_in_bytes, 855

ppl_Octagonal_Shape_mpq_class_fold_space_dimensions, 855
ppl_Octagonal_Shape_mpq_class_frequency, 850
ppl_Octagonal_Shape_mpq_class_generalized_affine_image, 854
ppl_Octagonal_Shape_mpq_class_generalized_affine_image_lhs_rhs, 854
ppl_Octagonal_Shape_mpq_class_generalized_affine_preimage, 854
ppl_Octagonal_Shape_mpq_class_generalized_affine_preimage_lhs_rhs, 854
ppl_Octagonal_Shape_mpq_class_get_congruences, 848
ppl_Octagonal_Shape_mpq_class_get_constraints, 848
ppl_Octagonal_Shape_mpq_class_get_minimized_congruences, 848
ppl_Octagonal_Shape_mpq_class_get_minimized_constraints, 848
ppl_Octagonal_Shape_mpq_class_intersection_assign, 852
ppl_Octagonal_Shape_mpq_class_is_bounded, 849
ppl_Octagonal_Shape_mpq_class_is_discrete, 849
ppl_Octagonal_Shape_mpq_class_is_disjoint_from_Octagonal_Shape_mpq_class, 850
ppl_Octagonal_Shape_mpq_class_is_empty, 849
ppl_Octagonal_Shape_mpq_class_is_topologically_closed, 849
ppl_Octagonal_Shape_mpq_class_is_universe, 849
ppl_Octagonal_Shape_mpq_class_limited_BHMZ05_extrapolation_assign, 856
ppl_Octagonal_Shape_mpq_class_limited_BHMZ05_extrapolation_assign_with_tokens, 856
ppl_Octagonal_Shape_mpq_class_limited_CC76_extrapolation_assign, 856
ppl_Octagonal_Shape_mpq_class_limited_CC76_extrapolation_assign_with_tokens, 856
ppl_Octagonal_Shape_mpq_class_linear_partition, 857
ppl_Octagonal_Shape_mpq_class_map_space_dimensions, 855
ppl_Octagonal_Shape_mpq_class_maximize, 850
ppl_Octagonal_Shape_mpq_class_maximize_with_point, 850
ppl_Octagonal_Shape_mpq_class_minimize, 850
ppl_Octagonal_Shape_mpq_class_minimize_with_point, 850
ppl_Octagonal_Shape_mpq_class_OK, 851
ppl_Octagonal_Shape_mpq_class_refine_with_congruence, 851
ppl_Octagonal_Shape_mpq_class_refine_with_congruences, 852
ppl_Octagonal_Shape_mpq_class_refine_with_constraint, 851
ppl_Octagonal_Shape_mpq_class_refine_with_constraints, 852
ppl_Octagonal_Shape_mpq_class_relation_with_Congruence, 848
ppl_Octagonal_Shape_mpq_class_relation_with_Constraint, 848
ppl_Octagonal_Shape_mpq_class_relation_with_Generator, 848
ppl_Octagonal_Shape_mpq_class_remove_higher_space_dimensions, 854
ppl_Octagonal_Shape_mpq_class_remove_space_dimensions, 854
ppl_Octagonal_Shape_mpq_class_simplify_using_context_assign, 853
ppl_Octagonal_Shape_mpq_class_space_dimension, 847
ppl_Octagonal_Shape_mpq_class_strictly_contains_Octagonal_Shape_mpq_class, 850
ppl_Octagonal_Shape_mpq_class_time_elapse_assign, 852
ppl_Octagonal_Shape_mpq_class_topological_closure_assign, 849
ppl_Octagonal_Shape_mpq_class_total_memory_in_bytes, 855
ppl_Octagonal_Shape_mpq_class_unconstrain_space_dimension, 853
ppl_Octagonal_Shape_mpq_class_unconstrain_space_dimensions, 853
ppl_Octagonal_Shape_mpq_class_upper_bound_assign, 852
ppl_Octagonal_Shape_mpq_class_upper_bound_assign_if_exact, 852
ppl_Octagonal_Shape_mpq_class_widening_assign, 856
ppl_Octagonal_Shape_mpq_class_widening_assign_with_tokens, 856
ppl_Octagonal_Shape_mpq_class_wrap_assign, 857
ppl_one_affine_ranking_function_MS_Octagonal_Shape_mpq_class, 858

ppl_one_affine_ranking_function_MS_-
Octagonal_Shape_mpq_class_2, 859
ppl_one_affine_ranking_function_PR_-
Octagonal_Shape_mpq_class, 858
ppl_one_affine_ranking_function_PR_-
Octagonal_Shape_mpq_class_2, 859
ppl_termination_test_MS_Octagonal_Shape_-
mpq_class, 858
ppl_termination_test_MS_Octagonal_Shape_-
mpq_class_2, 859
ppl_termination_test_PR_Octagonal_Shape_-
mpq_class, 858
ppl_termination_test_PR_Octagonal_Shape_-
mpq_class_2, 859
ppl_Octagonal_Shape_mpq_class_time_elapse_-
assign
ppl_Octagonal_Shape_mpq_class_tag, 852
ppl_Octagonal_Shape_mpq_class_topological_-
closure_assign
ppl_Octagonal_Shape_mpq_class_tag, 849
ppl_Octagonal_Shape_mpq_class_total_memory_-
in_bytes
ppl_Octagonal_Shape_mpq_class_tag, 855
ppl_Octagonal_Shape_mpq_class_unconstrain_-
space_dimension
ppl_Octagonal_Shape_mpq_class_tag, 853
ppl_Octagonal_Shape_mpq_class_unconstrain_-
space_dimensions
ppl_Octagonal_Shape_mpq_class_tag, 853
ppl_Octagonal_Shape_mpq_class_upper_bound_-
assign
ppl_Octagonal_Shape_mpq_class_tag, 852
ppl_Octagonal_Shape_mpq_class_upper_bound_-
assign_if_exact
ppl_Octagonal_Shape_mpq_class_tag, 852
ppl_Octagonal_Shape_mpq_class_widening_-
assign
ppl_Octagonal_Shape_mpq_class_tag, 856
ppl_Octagonal_Shape_mpq_class_widening_-
assign_with_tokens
ppl_Octagonal_Shape_mpq_class_tag, 856
ppl_Octagonal_Shape_mpq_class_wrap_assign
ppl_Octagonal_Shape_mpq_class_tag, 857
ppl_Octagonal_Shape_mpz_class_add_congruence
ppl_Octagonal_Shape_mpz_class_tag, 880
ppl_Octagonal_Shape_mpz_class_add_-
congruences
ppl_Octagonal_Shape_mpz_class_tag, 880
ppl_Octagonal_Shape_mpz_class_add_constraint
ppl_Octagonal_Shape_mpz_class_tag, 880
ppl_Octagonal_Shape_mpz_class_add_constraints
ppl_Octagonal_Shape_mpz_class_tag, 880
ppl_Octagonal_Shape_mpz_class_add_recycled_-
congruences
ppl_Octagonal_Shape_mpz_class_tag, 887
ppl_Octagonal_Shape_mpz_class_add_recycled_-
constraints
ppl_Octagonal_Shape_mpz_class_tag, 887
ppl_Octagonal_Shape_mpz_class_add_space_-
dimensions_and_embed
ppl_Octagonal_Shape_mpz_class_tag, 883
ppl_Octagonal_Shape_mpz_class_add_space_-
dimensions_and_project
ppl_Octagonal_Shape_mpz_class_tag, 883
ppl_Octagonal_Shape_mpz_class_affine_-
dimension
ppl_Octagonal_Shape_mpz_class_tag, 877
ppl_Octagonal_Shape_mpz_class_affine_image
ppl_Octagonal_Shape_mpz_class_tag, 882
ppl_Octagonal_Shape_mpz_class_affine_preimage
ppl_Octagonal_Shape_mpz_class_tag, 882
ppl_Octagonal_Shape_mpz_class_ascii_dump
ppl_Octagonal_Shape_mpz_class_tag, 889
ppl_Octagonal_Shape_mpz_class_ascii_load
ppl_Octagonal_Shape_mpz_class_tag, 889
ppl_Octagonal_Shape_mpz_class_BHMZ05_-
widening_assign
ppl_Octagonal_Shape_mpz_class_tag, 885
ppl_Octagonal_Shape_mpz_class_BHMZ05_-
widening_assign_with_tokens
ppl_Octagonal_Shape_mpz_class_tag, 884
ppl_Octagonal_Shape_mpz_class_bounded_-
affine_image
ppl_Octagonal_Shape_mpz_class_tag, 882
ppl_Octagonal_Shape_mpz_class_bounded_-
affine_preimage
ppl_Octagonal_Shape_mpz_class_tag, 882
ppl_Octagonal_Shape_mpz_class_bounds_from_-
above
ppl_Octagonal_Shape_mpz_class_tag, 878
ppl_Octagonal_Shape_mpz_class_bounds_from_-
below
ppl_Octagonal_Shape_mpz_class_tag, 878
ppl_Octagonal_Shape_mpz_class_CC76_-
extrapolation_assign
ppl_Octagonal_Shape_mpz_class_tag, 886
ppl_Octagonal_Shape_mpz_class_CC76_-
extrapolation_assign_with_tokens
ppl_Octagonal_Shape_mpz_class_tag, 885
ppl_Octagonal_Shape_mpz_class_CC76_-
narrowing_assign
ppl_Octagonal_Shape_mpz_class_tag, 886
ppl_Octagonal_Shape_mpz_class_concatenate_-
assign
ppl_Octagonal_Shape_mpz_class_tag, 881
ppl_Octagonal_Shape_mpz_class_constrains
ppl_Octagonal_Shape_mpz_class_tag, 882

ppl_Octagonal_Shape_mpz_class_contains_integer_point
ppl_Octagonal_Shape_mpz_class_tag, 878
ppl_Octagonal_Shape_mpz_class_contains_Octagonal_Shape_mpz_class
ppl_Octagonal_Shape_mpz_class_tag, 879
ppl_Octagonal_Shape_mpz_class_difference_assign
ppl_Octagonal_Shape_mpz_class_tag, 881
ppl_Octagonal_Shape_mpz_class_drop_some_non_integer_points
ppl_Octagonal_Shape_mpz_class_tag, 884
ppl_Octagonal_Shape_mpz_class_drop_some_non_integer_points_2
ppl_Octagonal_Shape_mpz_class_tag, 884
ppl_Octagonal_Shape_mpz_class_equals_Octagonal_Shape_mpz_class
ppl_Octagonal_Shape_mpz_class_tag, 880
ppl_Octagonal_Shape_mpz_class_expand_space_dimension
ppl_Octagonal_Shape_mpz_class_tag, 884
ppl_Octagonal_Shape_mpz_class_external_memory_in_bytes
ppl_Octagonal_Shape_mpz_class_tag, 884
ppl_Octagonal_Shape_mpz_class_fold_space_dimensions
ppl_Octagonal_Shape_mpz_class_tag, 884
ppl_Octagonal_Shape_mpz_class_frequency
ppl_Octagonal_Shape_mpz_class_tag, 879
ppl_Octagonal_Shape_mpz_class_generalized_affine_image
ppl_Octagonal_Shape_mpz_class_tag, 883
ppl_Octagonal_Shape_mpz_class_generalized_affine_image_lhs_rhs
ppl_Octagonal_Shape_mpz_class_tag, 883
ppl_Octagonal_Shape_mpz_class_generalized_affine_preimage
ppl_Octagonal_Shape_mpz_class_tag, 883
ppl_Octagonal_Shape_mpz_class_generalized_affine_preimage_lhs_rhs
ppl_Octagonal_Shape_mpz_class_tag, 883
ppl_Octagonal_Shape_mpz_class_get_congruences
ppl_Octagonal_Shape_mpz_class_tag, 877
ppl_Octagonal_Shape_mpz_class_get_constraints
ppl_Octagonal_Shape_mpz_class_tag, 877
ppl_Octagonal_Shape_mpz_class_get_minimized_congruences
ppl_Octagonal_Shape_mpz_class_tag, 877
ppl_Octagonal_Shape_mpz_class_get_minimized_constraints
ppl_Octagonal_Shape_mpz_class_tag, 877
ppl_Octagonal_Shape_mpz_class_intersection_assign
ppl_Octagonal_Shape_mpz_class_tag, 881
ppl_Octagonal_Shape_mpz_class_is_bounded
ppl_Octagonal_Shape_mpz_class_tag, 878
ppl_Octagonal_Shape_mpz_class_is_discrete
ppl_Octagonal_Shape_mpz_class_tag, 878
ppl_Octagonal_Shape_mpz_class_is_disjoint_from_Octagonal_Shape_mpz_class
ppl_Octagonal_Shape_mpz_class_tag, 879
ppl_Octagonal_Shape_mpz_class_is_empty
ppl_Octagonal_Shape_mpz_class_tag, 878
ppl_Octagonal_Shape_mpz_class_is_topologically_closed
ppl_Octagonal_Shape_mpz_class_tag, 878
ppl_Octagonal_Shape_mpz_class_is_universe
ppl_Octagonal_Shape_mpz_class_tag, 878
ppl_Octagonal_Shape_mpz_class_limited_BHMZ05_extrapolation_assign
ppl_Octagonal_Shape_mpz_class_tag, 885
ppl_Octagonal_Shape_mpz_class_limited_BHMZ05_extrapolation_assign_with_tokens
ppl_Octagonal_Shape_mpz_class_tag, 885
ppl_Octagonal_Shape_mpz_class_limited_CC76_extrapolation_assign
ppl_Octagonal_Shape_mpz_class_tag, 885
ppl_Octagonal_Shape_mpz_class_limited_CC76_extrapolation_assign_with_tokens
ppl_Octagonal_Shape_mpz_class_tag, 885
ppl_Octagonal_Shape_mpz_class_linear_partition
ppl_Octagonal_Shape_mpz_class_tag, 886
ppl_Octagonal_Shape_mpz_class_map_space_dimensions
ppl_Octagonal_Shape_mpz_class_tag, 884
ppl_Octagonal_Shape_mpz_class_maximize
ppl_Octagonal_Shape_mpz_class_tag, 879
ppl_Octagonal_Shape_mpz_class_maximize_with_point
ppl_Octagonal_Shape_mpz_class_tag, 879
ppl_Octagonal_Shape_mpz_class_minimize
ppl_Octagonal_Shape_mpz_class_tag, 879
ppl_Octagonal_Shape_mpz_class_minimize_with_point
ppl_Octagonal_Shape_mpz_class_tag, 879
ppl_Octagonal_Shape_mpz_class_OK
ppl_Octagonal_Shape_mpz_class_tag, 880
ppl_Octagonal_Shape_mpz_class_refine_with_congruence
ppl_Octagonal_Shape_mpz_class_tag, 880
ppl_Octagonal_Shape_mpz_class_refine_with_congruences
ppl_Octagonal_Shape_mpz_class_tag, 881
ppl_Octagonal_Shape_mpz_class_refine_with_constraint
ppl_Octagonal_Shape_mpz_class_tag, 880

ppl_Octagonal_Shape_mpz_class_refine_with_-constraints
ppl_Octagonal_Shape_mpz_class_tag, 881
ppl_Octagonal_Shape_mpz_class_relation_with_-Congruence
ppl_Octagonal_Shape_mpz_class_tag, 877
ppl_Octagonal_Shape_mpz_class_relation_with_-Constraint
ppl_Octagonal_Shape_mpz_class_tag, 877
ppl_Octagonal_Shape_mpz_class_relation_with_-Generator
ppl_Octagonal_Shape_mpz_class_tag, 877
ppl_Octagonal_Shape_mpz_class_remove_-higher_space_dimensions
ppl_Octagonal_Shape_mpz_class_tag, 883
ppl_Octagonal_Shape_mpz_class_remove_space_-dimensions
ppl_Octagonal_Shape_mpz_class_tag, 883
ppl_Octagonal_Shape_mpz_class_simplify_-using_context_assign
ppl_Octagonal_Shape_mpz_class_tag, 882
ppl_Octagonal_Shape_mpz_class_space_-dimension
ppl_Octagonal_Shape_mpz_class_tag, 876
ppl_Octagonal_Shape_mpz_class_strictly_-contains_Octagonal_Shape_mpz_class
ppl_Octagonal_Shape_mpz_class_tag, 879
ppl_Octagonal_Shape_mpz_class_tag, 860
ppl_all_affine_ranking_functions_MS_-Octagonal_Shape_mpz_class, 887
ppl_all_affine_ranking_functions_MS_-Octagonal_Shape_mpz_class_2, 888
ppl_all_affine_ranking_functions_PR_-Octagonal_Shape_mpz_class, 887
ppl_all_affine_ranking_functions_PR_-Octagonal_Shape_mpz_class_2, 888
ppl_assign_Octagonal_Shape_mpz_class_-from_Octagonal_Shape_mpz_class, 886
ppl_delete_Octagonal_Shape_mpz_class, 867
ppl_io_asprint_Octagonal_Shape_mpz_class, 888
ppl_io_fprint_Octagonal_Shape_mpz_class, 888
ppl_io_print_Octagonal_Shape_mpz_class, 888
ppl_new_Octagonal_Shape_mpz_class_-from_BD_Shape_double, 871
ppl_new_Octagonal_Shape_mpz_class_-from_BD_Shape_double_with_-complexity, 875
ppl_new_Octagonal_Shape_mpz_class_-from_BD_Shape_float, 871
ppl_new_Octagonal_Shape_mpz_class_-from_BD_Shape_float_with_complexity, 875
ppl_new_Octagonal_Shape_mpz_class_-from_BD_Shape_int16_t, 869
ppl_new_Octagonal_Shape_mpz_class_-from_BD_Shape_int16_t_with_-complexity, 873
ppl_new_Octagonal_Shape_mpz_class_-from_BD_Shape_int32_t, 869
ppl_new_Octagonal_Shape_mpz_class_-from_BD_Shape_int32_t_with_-complexity, 873
ppl_new_Octagonal_Shape_mpz_class_-from_BD_Shape_int64_t, 869
ppl_new_Octagonal_Shape_mpz_class_-from_BD_Shape_int64_t_with_-complexity, 873
ppl_new_Octagonal_Shape_mpz_class_-from_BD_Shape_int8_t, 869
ppl_new_Octagonal_Shape_mpz_class_-from_BD_Shape_int8_t_with_-complexity, 873
ppl_new_Octagonal_Shape_mpz_class_-from_BD_Shape_long_double, 872
ppl_new_Octagonal_Shape_mpz_class_-from_BD_Shape_long_double_with_-complexity, 876
ppl_new_Octagonal_Shape_mpz_class_-from_BD_Shape_mpq_class, 869
ppl_new_Octagonal_Shape_mpz_class_-from_BD_Shape_mpq_class_with_-complexity, 874
ppl_new_Octagonal_Shape_mpz_class_-from_BD_Shape_mpz_class, 869
ppl_new_Octagonal_Shape_mpz_class_-from_BD_Shape_mpz_class_with_-complexity, 874
ppl_new_Octagonal_Shape_mpz_class_-from_C_Polyhedron, 870
ppl_new_Octagonal_Shape_mpz_class_-from_C_Polyhedron_with_complexity, 875
ppl_new_Octagonal_Shape_mpz_class_-from_Congruence_System, 876
ppl_new_Octagonal_Shape_mpz_class_-from_Constraint_System, 876
ppl_new_Octagonal_Shape_mpz_class_-from_Double_Box, 871
ppl_new_Octagonal_Shape_mpz_class_-from_Double_Box_with_complexity, 875
ppl_new_Octagonal_Shape_mpz_class_-from_Float_Box, 871

ppl_new_Octagonal_Shape_mpz_class_-
from_Float_Box_with_complexity, 875
ppl_new_Octagonal_Shape_mpz_class_-
from_Generator_System, 876
ppl_new_Octagonal_Shape_mpz_class_-
from_Grid, 871
ppl_new_Octagonal_Shape_mpz_class_-
from_Grid_with_complexity, 875
ppl_new_Octagonal_Shape_mpz_class_-
from_Int16_Box, 868
ppl_new_Octagonal_Shape_mpz_class_-
from_Int16_Box_with_complexity,
872
ppl_new_Octagonal_Shape_mpz_class_-
from_Int32_Box, 868
ppl_new_Octagonal_Shape_mpz_class_-
from_Int32_Box_with_complexity,
872
ppl_new_Octagonal_Shape_mpz_class_-
from_Int64_Box, 868
ppl_new_Octagonal_Shape_mpz_class_-
from_Int64_Box_with_complexity,
872
ppl_new_Octagonal_Shape_mpz_class_-
from_Int8_Box, 868
ppl_new_Octagonal_Shape_mpz_class_-
from_Int8_Box_with_complexity, 872
ppl_new_Octagonal_Shape_mpz_class_-
from_Long_Double_Box, 871
ppl_new_Octagonal_Shape_mpz_class_-
from_Long_Double_Box_with_-
complexity, 876
ppl_new_Octagonal_Shape_mpz_class_-
from_NNC_Polyhedron, 870
ppl_new_Octagonal_Shape_mpz_class_-
from_NNC_Polyhedron_with_-
complexity, 875
ppl_new_Octagonal_Shape_mpz_class_-
from_Octagonal_Shape_double, 871
ppl_new_Octagonal_Shape_mpz_class_-
from_Octagonal_Shape_double_with_-
complexity, 876
ppl_new_Octagonal_Shape_mpz_class_-
from_Octagonal_Shape_float, 871
ppl_new_Octagonal_Shape_mpz_class_-
from_Octagonal_Shape_float_with_-
complexity, 875
ppl_new_Octagonal_Shape_mpz_class_-
from_Octagonal_Shape_int16_t, 870
ppl_new_Octagonal_Shape_mpz_class_-
from_Octagonal_Shape_int16_t_with_-
complexity, 874
ppl_new_Octagonal_Shape_mpz_class_-
from_Octagonal_Shape_int32_t, 870
ppl_new_Octagonal_Shape_mpz_class_-
from_Octagonal_Shape_int32_t_with_-
complexity, 874
ppl_new_Octagonal_Shape_mpz_class_-
from_Octagonal_Shape_int64_t, 870
ppl_new_Octagonal_Shape_mpz_class_-
from_Octagonal_Shape_int64_t_with_-
complexity, 874
ppl_new_Octagonal_Shape_mpz_class_-
from_Octagonal_Shape_int8_t, 870
ppl_new_Octagonal_Shape_mpz_class_-
from_Octagonal_Shape_int8_t_with_-
complexity, 874
ppl_new_Octagonal_Shape_mpz_class_-
from_Octagonal_Shape_long_double,
872
ppl_new_Octagonal_Shape_mpz_class_-
from_Octagonal_Shape_mpq_class,
870
ppl_new_Octagonal_Shape_mpz_class_-
from_Octagonal_Shape_mpz_class,
870
ppl_new_Octagonal_Shape_mpz_class_-
from_Rational_Box, 869
ppl_new_Octagonal_Shape_mpz_class_-
from_Rational_Box_with_complexity,
873
ppl_new_Octagonal_Shape_mpz_class_-
from_space_dimension, 867
ppl_new_Octagonal_Shape_mpz_class_-
from_Uint16_Box, 868
ppl_new_Octagonal_Shape_mpz_class_-
from_Uint16_Box_with_complexity,
872
ppl_new_Octagonal_Shape_mpz_class_-
from_Uint32_Box, 868
ppl_new_Octagonal_Shape_mpz_class_-
from_Uint32_Box_with_complexity,
873
ppl_new_Octagonal_Shape_mpz_class_-
from_Uint64_Box, 868
ppl_new_Octagonal_Shape_mpz_class_-
from_Uint64_Box_with_complexity,
873
ppl_new_Octagonal_Shape_mpz_class_-
from_Uint8_Box, 868
ppl_new_Octagonal_Shape_mpz_class_-
from_Uint8_Box_with_complexity,
872
ppl_new_Octagonal_Shape_mpz_class_-
from_Z_Box, 869
ppl_new_Octagonal_Shape_mpz_class_-
from_Z_Box_with_complexity, 873
ppl_new_Octagonal_Shape_mpz_class_-

recycle_Congruence_System, 886
ppl_new_Octagonal_Shape_mpz_class_-recycle_Constraint_System, 886
ppl_new_Octagonal_Shape_mpz_class_-recycle_Generator_System, 886
ppl_Octagonal_Shape_mpz_class_add_-congruence, 880
ppl_Octagonal_Shape_mpz_class_add_-congruences, 880
ppl_Octagonal_Shape_mpz_class_add_-constraint, 880
ppl_Octagonal_Shape_mpz_class_add_-constraints, 880
ppl_Octagonal_Shape_mpz_class_add_-recycled_congruences, 887
ppl_Octagonal_Shape_mpz_class_add_-recycled_constraints, 887
ppl_Octagonal_Shape_mpz_class_add_-space_dimensions_and_embed, 883
ppl_Octagonal_Shape_mpz_class_add_-space_dimensions_and_project, 883
ppl_Octagonal_Shape_mpz_class_affine_-dimension, 877
ppl_Octagonal_Shape_mpz_class_affine_-image, 882
ppl_Octagonal_Shape_mpz_class_affine_-preimage, 882
ppl_Octagonal_Shape_mpz_class_ascii_-dump, 889
ppl_Octagonal_Shape_mpz_class_ascii_load, 889
ppl_Octagonal_Shape_mpz_class_BHMZ05_-widening_assign, 885
ppl_Octagonal_Shape_mpz_class_BHMZ05_-widening_assign_with_tokens, 884
ppl_Octagonal_Shape_mpz_class_bounded_-affine_image, 882
ppl_Octagonal_Shape_mpz_class_bounded_-affine_preimage, 882
ppl_Octagonal_Shape_mpz_class_bounds_-from_above, 878
ppl_Octagonal_Shape_mpz_class_bounds_-from_below, 878
ppl_Octagonal_Shape_mpz_class_CC76_-extrapolation_assign, 886
ppl_Octagonal_Shape_mpz_class_CC76_-extrapolation_assign_with_tokens, 885
ppl_Octagonal_Shape_mpz_class_CC76_-narrowing_assign, 886
ppl_Octagonal_Shape_mpz_class_-concatenate_assign, 881
ppl_Octagonal_Shape_mpz_class_constrains, 882
ppl_Octagonal_Shape_mpz_class_contains_-integer_point, 878
ppl_Octagonal_Shape_mpz_class_contains_-Octagonal_Shape_mpz_class, 879
ppl_Octagonal_Shape_mpz_class_-difference_assign, 881
ppl_Octagonal_Shape_mpz_class_drop_-some_non_integer_points, 884
ppl_Octagonal_Shape_mpz_class_drop_-some_non_integer_points_2, 884
ppl_Octagonal_Shape_mpz_class_equals_-Octagonal_Shape_mpz_class, 880
ppl_Octagonal_Shape_mpz_class_expand_-space_dimension, 884
ppl_Octagonal_Shape_mpz_class_external_-memory_in_bytes, 884
ppl_Octagonal_Shape_mpz_class_fold_-space_dimensions, 884
ppl_Octagonal_Shape_mpz_class_frequency, 879
ppl_Octagonal_Shape_mpz_class_-generalized_affine_image, 883
ppl_Octagonal_Shape_mpz_class_-generalized_affine_image_lhs_rhs, 883
ppl_Octagonal_Shape_mpz_class_-generalized_affine_preimage, 883
ppl_Octagonal_Shape_mpz_class_-generalized_affine_preimage_lhs_rhs, 883
ppl_Octagonal_Shape_mpz_class_get_-congruences, 877
ppl_Octagonal_Shape_mpz_class_get_-constraints, 877
ppl_Octagonal_Shape_mpz_class_get_-minimized_congruences, 877
ppl_Octagonal_Shape_mpz_class_get_-minimized_constraints, 877
ppl_Octagonal_Shape_mpz_class_-intersection_assign, 881
ppl_Octagonal_Shape_mpz_class_is_-bounded, 878
ppl_Octagonal_Shape_mpz_class_is_discrete, 878
ppl_Octagonal_Shape_mpz_class_is_-disjoint_from_Octagonal_Shape_-mpz_class, 879
ppl_Octagonal_Shape_mpz_class_is_empty, 878
ppl_Octagonal_Shape_mpz_class_is_-topologically_closed, 878
ppl_Octagonal_Shape_mpz_class_is_-universe, 878
ppl_Octagonal_Shape_mpz_class_limited_-

BHMZ05_extrapolation_assign, 885
ppl_Octagonal_Shape_mpz_class_limited_-
BHMZ05_extrapolation_assign_with_-
tokens, 885
ppl_Octagonal_Shape_mpz_class_limited_-
CC76_extrapolation_assign, 885
ppl_Octagonal_Shape_mpz_class_limited_-
CC76_extrapolation_assign_with_tokens,
885
ppl_Octagonal_Shape_mpz_class_linear_-
partition, 886
ppl_Octagonal_Shape_mpz_class_map_-
space_dimensions, 884
ppl_Octagonal_Shape_mpz_class_maximize,
879
ppl_Octagonal_Shape_mpz_class_-
maximize_with_point, 879
ppl_Octagonal_Shape_mpz_class_minimize,
879
ppl_Octagonal_Shape_mpz_class_minimize_-
with_point, 879
ppl_Octagonal_Shape_mpz_class_OK, 880
ppl_Octagonal_Shape_mpz_class_refine_-
with_congruence, 880
ppl_Octagonal_Shape_mpz_class_refine_-
with_congruences, 881
ppl_Octagonal_Shape_mpz_class_refine_-
with_constraint, 880
ppl_Octagonal_Shape_mpz_class_refine_-
with_constraints, 881
ppl_Octagonal_Shape_mpz_class_relation_-
with_Congruence, 877
ppl_Octagonal_Shape_mpz_class_relation_-
with_Constraint, 877
ppl_Octagonal_Shape_mpz_class_relation_-
with_Generator, 877
ppl_Octagonal_Shape_mpz_class_remove_-
higher_space_dimensions, 883
ppl_Octagonal_Shape_mpz_class_remove_-
space_dimensions, 883
ppl_Octagonal_Shape_mpz_class_simplify_-
using_context_assign, 882
ppl_Octagonal_Shape_mpz_class_space_-
dimension, 876
ppl_Octagonal_Shape_mpz_class_strictly_-
contains_Octagonal_Shape_mpz_class,
879
ppl_Octagonal_Shape_mpz_class_time_-
elapse_assign, 881
ppl_Octagonal_Shape_mpz_class_-
topological_closure_assign, 878
ppl_Octagonal_Shape_mpz_class_total_-
memory_in_bytes, 884
ppl_Octagonal_Shape_mpz_class_-
unconstrain_space_dimension, 882
ppl_Octagonal_Shape_mpz_class_-
unconstrain_space_dimensions, 882
ppl_Octagonal_Shape_mpz_class_upper_-
bound_assign, 881
ppl_Octagonal_Shape_mpz_class_upper_-
bound_assign_if_exact, 881
ppl_Octagonal_Shape_mpz_class_widening_-
assign, 885
ppl_Octagonal_Shape_mpz_class_widening_-
assign_with_tokens, 885
ppl_Octagonal_Shape_mpz_class_wrap_-
assign, 886
ppl_one_affine_ranking_function_MS_-
Octagonal_Shape_mpz_class, 887
ppl_one_affine_ranking_function_MS_-
Octagonal_Shape_mpz_class_2, 888
ppl_one_affine_ranking_function_PR_-
Octagonal_Shape_mpz_class, 887
ppl_one_affine_ranking_function_PR_-
Octagonal_Shape_mpz_class_2, 888
ppl_termination_test_MS_Octagonal_Shape_-
mpz_class, 887
ppl_termination_test_MS_Octagonal_Shape_-
mpz_class_2, 887
ppl_termination_test_PR_Octagonal_Shape_-
mpz_class, 887
ppl_termination_test_PR_Octagonal_Shape_-
mpz_class_2, 888
ppl_Octagonal_Shape_mpz_class_time_elapse_-
assign
ppl_Octagonal_Shape_mpz_class_tag, 881
ppl_Octagonal_Shape_mpz_class_topological_-
closure_assign
ppl_Octagonal_Shape_mpz_class_tag, 878
ppl_Octagonal_Shape_mpz_class_total_memory_-
in_bytes
ppl_Octagonal_Shape_mpz_class_tag, 884
ppl_Octagonal_Shape_mpz_class_unconstrain_-
space_dimension
ppl_Octagonal_Shape_mpz_class_tag, 882
ppl_Octagonal_Shape_mpz_class_unconstrain_-
space_dimensions
ppl_Octagonal_Shape_mpz_class_tag, 882
ppl_Octagonal_Shape_mpz_class_upper_bound_-
assign
ppl_Octagonal_Shape_mpz_class_tag, 881
ppl_Octagonal_Shape_mpz_class_upper_bound_-
assign_if_exact
ppl_Octagonal_Shape_mpz_class_tag, 881
ppl_Octagonal_Shape_mpz_class_widening_assign
ppl_Octagonal_Shape_mpz_class_tag, 885
ppl_Octagonal_Shape_mpz_class_widening_-
assign_with_tokens

ppl_Octagonal_Shape_mpz_class_tag, 885
ppl_Octagonal_Shape_mpz_class_wrap_assign
ppl_Octagonal_Shape_mpz_class_tag, 886
ppl_one_affine_ranking_function_MS_BD_-Shape_double
ppl_BD_Shape_double_tag, 87
ppl_one_affine_ranking_function_MS_BD_-Shape_double_2
ppl_BD_Shape_double_tag, 88
ppl_one_affine_ranking_function_MS_BD_-Shape_float
ppl_BD_Shape_float_tag, 114
ppl_one_affine_ranking_function_MS_BD_-Shape_float_2
ppl_BD_Shape_float_tag, 115
ppl_one_affine_ranking_function_MS_BD_-Shape_int16_t
ppl_BD_Shape_int16_t_tag, 142
ppl_one_affine_ranking_function_MS_BD_-Shape_int16_t_2
ppl_BD_Shape_int16_t_tag, 142
ppl_one_affine_ranking_function_MS_BD_-Shape_int32_t
ppl_BD_Shape_int32_t_tag, 169
ppl_one_affine_ranking_function_MS_BD_-Shape_int32_t_2
ppl_BD_Shape_int32_t_tag, 170
ppl_one_affine_ranking_function_MS_BD_-Shape_int64_t
ppl_BD_Shape_int64_t_tag, 197
ppl_one_affine_ranking_function_MS_BD_-Shape_int64_t_2
ppl_BD_Shape_int64_t_tag, 198
ppl_one_affine_ranking_function_MS_BD_-Shape_int8_t
ppl_BD_Shape_int8_t_tag, 224
ppl_one_affine_ranking_function_MS_BD_-Shape_int8_t_2
ppl_BD_Shape_int8_t_tag, 225
ppl_one_affine_ranking_function_MS_BD_-Shape_long_double
ppl_BD_Shape_long_double_tag, 253
ppl_one_affine_ranking_function_MS_BD_-Shape_long_double_2
ppl_BD_Shape_long_double_tag, 253
ppl_one_affine_ranking_function_MS_BD_-Shape_mpq_class
ppl_BD_Shape_mpq_class_tag, 281
ppl_one_affine_ranking_function_MS_BD_-Shape_mpq_class_2
ppl_BD_Shape_mpq_class_tag, 282
ppl_one_affine_ranking_function_MS_BD_-Shape_mpz_class
ppl_BD_Shape_mpz_class_tag, 309
ppl_one_affine_ranking_function_MS_BD_-Shape_mpz_class_2
ppl_BD_Shape_mpz_class_tag, 310
ppl_one_affine_ranking_function_MS_C_-Polyhedron
ppl_Polyhedron_tag, 1565
ppl_one_affine_ranking_function_MS_C_-Polyhedron_2
ppl_Polyhedron_tag, 1566
ppl_one_affine_ranking_function_MS_Double_-Box
ppl_Double_Box_tag, 442
ppl_one_affine_ranking_function_MS_Double_-Box_2
ppl_Double_Box_tag, 442
ppl_one_affine_ranking_function_MS_Float_Box
ppl_Float_Box_tag, 466
ppl_one_affine_ranking_function_MS_Float_-Box_2
ppl_Float_Box_tag, 467
ppl_one_affine_ranking_function_MS_Grid
ppl_Grid_tag, 500
ppl_one_affine_ranking_function_MS_Grid_2
ppl_Grid_tag, 501
ppl_one_affine_ranking_function_MS_Int16_Box
ppl_Int16_Box_tag, 525
ppl_one_affine_ranking_function_MS_Int16_-Box_2
ppl_Int16_Box_tag, 525
ppl_one_affine_ranking_function_MS_Int32_Box
ppl_Int32_Box_tag, 549
ppl_one_affine_ranking_function_MS_Int32_-Box_2
ppl_Int32_Box_tag, 550
ppl_one_affine_ranking_function_MS_Int64_Box
ppl_Int64_Box_tag, 574
ppl_one_affine_ranking_function_MS_Int64_-Box_2
ppl_Int64_Box_tag, 574
ppl_one_affine_ranking_function_MS_Int8_Box
ppl_Int8_Box_tag, 598
ppl_one_affine_ranking_function_MS_Int8_Box_2
ppl_Int8_Box_tag, 599
ppl_one_affine_ranking_function_MS_Long_-Double_Box
ppl_Long_Double_Box_tag, 627
ppl_one_affine_ranking_function_MS_Long_-Double_Box_2
ppl_Long_Double_Box_tag, 627
ppl_one_affine_ranking_function_MS_NNC_-Polyhedron
ppl_Polyhedron_tag, 1565
ppl_one_affine_ranking_function_MS_NNC_-Polyhedron_2

ppl_Polyhedron_tag, 1567
ppl_one_affine_ranking_function_MS_-Octagonal_Shape_double
ppl_Octagonal_Shape_double_tag, 660
ppl_one_affine_ranking_function_MS_-Octagonal_Shape_double_2
ppl_Octagonal_Shape_double_tag, 660
ppl_one_affine_ranking_function_MS_-Octagonal_Shape_float
ppl_Octagonal_Shape_float_tag, 687
ppl_one_affine_ranking_function_MS_-Octagonal_Shape_float_2
ppl_Octagonal_Shape_float_tag, 688
ppl_one_affine_ranking_function_MS_-Octagonal_Shape_int16_t
ppl_Octagonal_Shape_int16_t_tag, 715
ppl_one_affine_ranking_function_MS_-Octagonal_Shape_int16_t_2
ppl_Octagonal_Shape_int16_t_tag, 716
ppl_one_affine_ranking_function_MS_-Octagonal_Shape_int32_t
ppl_Octagonal_Shape_int32_t_tag, 744
ppl_one_affine_ranking_function_MS_-Octagonal_Shape_int32_t_2
ppl_Octagonal_Shape_int32_t_tag, 745
ppl_one_affine_ranking_function_MS_-Octagonal_Shape_int64_t
ppl_Octagonal_Shape_int64_t_tag, 772
ppl_one_affine_ranking_function_MS_-Octagonal_Shape_int64_t_2
ppl_Octagonal_Shape_int64_t_tag, 773
ppl_one_affine_ranking_function_MS_-Octagonal_Shape_int8_t
ppl_Octagonal_Shape_int8_t_tag, 800
ppl_one_affine_ranking_function_MS_-Octagonal_Shape_int8_t_2
ppl_Octagonal_Shape_int8_t_tag, 801
ppl_one_affine_ranking_function_MS_-Octagonal_Shape_long_double
ppl_Octagonal_Shape_long_double_tag, 829
ppl_one_affine_ranking_function_MS_-Octagonal_Shape_long_double_2
ppl_Octagonal_Shape_long_double_tag, 830
ppl_one_affine_ranking_function_MS_-Octagonal_Shape_mpq_class
ppl_Octagonal_Shape_mpq_class_tag, 858
ppl_one_affine_ranking_function_MS_-Octagonal_Shape_mpq_class_2
ppl_Octagonal_Shape_mpq_class_tag, 859
ppl_one_affine_ranking_function_MS_-Octagonal_Shape_mpz_class
ppl_Octagonal_Shape_mpz_class_tag, 887
ppl_one_affine_ranking_function_MS_-Octagonal_Shape_mpz_class_2
ppl_Octagonal_Shape_mpz_class_tag, 888
ppl_one_affine_ranking_function_MS_Rational_-Box
ppl_Rational_Box_tag, 1591
ppl_one_affine_ranking_function_MS_Rational_-Box_2
ppl_Rational_Box_tag, 1592
ppl_one_affine_ranking_function_MS_Uint16_-Box
ppl_Uint16_Box_tag, 1616
ppl_one_affine_ranking_function_MS_Uint16_-Box_2
ppl_Uint16_Box_tag, 1617
ppl_one_affine_ranking_function_MS_Uint32_-Box
ppl_Uint32_Box_tag, 1642
ppl_one_affine_ranking_function_MS_Uint32_-Box_2
ppl_Uint32_Box_tag, 1642
ppl_one_affine_ranking_function_MS_Uint64_-Box
ppl_Uint64_Box_tag, 1667
ppl_one_affine_ranking_function_MS_Uint64_-Box_2
ppl_Uint64_Box_tag, 1667
ppl_one_affine_ranking_function_MS_Uint8_Box
ppl_Uint8_Box_tag, 1691
ppl_one_affine_ranking_function_MS_Uint8_-Box_2
ppl_Uint8_Box_tag, 1692
ppl_one_affine_ranking_function_MS_Z_Box
ppl_Z_Box_tag, 1715
ppl_one_affine_ranking_function_MS_Z_Box_2
ppl_Z_Box_tag, 1716
ppl_one_affine_ranking_function_PR_BD_-Shape_double
ppl_BD_Shape_double_tag, 87
ppl_one_affine_ranking_function_PR_BD_-Shape_double_2
ppl_BD_Shape_double_tag, 88
ppl_one_affine_ranking_function_PR_BD_-Shape_float
ppl_BD_Shape_float_tag, 114
ppl_one_affine_ranking_function_PR_BD_-Shape_float_2
ppl_BD_Shape_float_tag, 115
ppl_one_affine_ranking_function_PR_BD_-Shape_int16_t
ppl_BD_Shape_int16_t_tag, 142
ppl_one_affine_ranking_function_PR_BD_-Shape_int16_t_2
ppl_BD_Shape_int16_t_tag, 143
ppl_one_affine_ranking_function_PR_BD_-Shape_int32_t

ppl_BD_Shape_int32_t_tag, 170
ppl_one_affine_ranking_function_PR_BD_-Shape_int32_t_2
ppl_BD_Shape_int32_t_tag, 170
ppl_one_affine_ranking_function_PR_BD_-Shape_int64_t
ppl_BD_Shape_int64_t_tag, 197
ppl_one_affine_ranking_function_PR_BD_-Shape_int64_t_2
ppl_BD_Shape_int64_t_tag, 198
ppl_one_affine_ranking_function_PR_BD_-Shape_int8_t
ppl_BD_Shape_int8_t_tag, 225
ppl_one_affine_ranking_function_PR_BD_-Shape_int8_t_2
ppl_BD_Shape_int8_t_tag, 225
ppl_one_affine_ranking_function_PR_BD_-Shape_long_double
ppl_BD_Shape_long_double_tag, 253
ppl_one_affine_ranking_function_PR_BD_-Shape_long_double_2
ppl_BD_Shape_long_double_tag, 254
ppl_one_affine_ranking_function_PR_BD_-Shape_mpq_class
ppl_BD_Shape_mpq_class_tag, 281
ppl_one_affine_ranking_function_PR_BD_-Shape_mpq_class_2
ppl_BD_Shape_mpq_class_tag, 282
ppl_one_affine_ranking_function_PR_BD_-Shape_mpz_class
ppl_BD_Shape_mpz_class_tag, 309
ppl_one_affine_ranking_function_PR_BD_-Shape_mpz_class_2
ppl_BD_Shape_mpz_class_tag, 310
ppl_one_affine_ranking_function_PR_C_-Polyhedron
ppl_Polyhedron_tag, 1565
ppl_one_affine_ranking_function_PR_C_-Polyhedron_2
ppl_Polyhedron_tag, 1566
ppl_one_affine_ranking_function_PR_Double_Box
ppl_Double_Box_tag, 442
ppl_one_affine_ranking_function_PR_Double_-Box_2
ppl_Double_Box_tag, 442
ppl_one_affine_ranking_function_PR_Float_Box
ppl_Float_Box_tag, 466
ppl_one_affine_ranking_function_PR_Float_Box_-2
ppl_Float_Box_tag, 467
ppl_one_affine_ranking_function_PR_Grid
ppl_Grid_tag, 500
ppl_one_affine_ranking_function_PR_Grid_2
ppl_Grid_tag, 501
ppl_one_affine_ranking_function_PR_Int16_Box
ppl_Int16_Box_tag, 525
ppl_one_affine_ranking_function_PR_Int16_Box_-2
ppl_Int16_Box_tag, 525
ppl_one_affine_ranking_function_PR_Int32_Box
ppl_Int32_Box_tag, 549
ppl_one_affine_ranking_function_PR_Int32_Box_-2
ppl_Int32_Box_tag, 550
ppl_one_affine_ranking_function_PR_Int64_Box
ppl_Int64_Box_tag, 574
ppl_one_affine_ranking_function_PR_Int64_Box_-2
ppl_Int64_Box_tag, 574
ppl_one_affine_ranking_function_PR_Int8_Box
ppl_Int8_Box_tag, 598
ppl_one_affine_ranking_function_PR_Int8_Box_2
ppl_Int8_Box_tag, 599
ppl_one_affine_ranking_function_PR_Long_-Double_Box
ppl_Long_Double_Box_tag, 627
ppl_one_affine_ranking_function_PR_Long_-Double_Box_2
ppl_Long_Double_Box_tag, 628
ppl_one_affine_ranking_function_PR_NNC_-Polyhedron
ppl_Polyhedron_tag, 1565
ppl_one_affine_ranking_function_PR_NNC_-Polyhedron_2
ppl_Polyhedron_tag, 1567
ppl_one_affine_ranking_function_PR_Octagonal_-Shape_double
ppl_Octagonal_Shape_double_tag, 660
ppl_one_affine_ranking_function_PR_Octagonal_-Shape_double_2
ppl_Octagonal_Shape_double_tag, 660
ppl_one_affine_ranking_function_PR_Octagonal_-Shape_float
ppl_Octagonal_Shape_float_tag, 687
ppl_one_affine_ranking_function_PR_Octagonal_-Shape_float_2
ppl_Octagonal_Shape_float_tag, 688
ppl_one_affine_ranking_function_PR_Octagonal_-Shape_int16_t
ppl_Octagonal_Shape_int16_t_tag, 716
ppl_one_affine_ranking_function_PR_Octagonal_-Shape_int16_t_2
ppl_Octagonal_Shape_int16_t_tag, 716
ppl_one_affine_ranking_function_PR_Octagonal_-Shape_int32_t
ppl_Octagonal_Shape_int32_t_tag, 744
ppl_one_affine_ranking_function_PR_Octagonal_-Shape_int32_t_2

ppl_Octagonal_Shape_int32_t_tag, 745
ppl_one_affine_ranking_function_PR_Octagonal_-Shape_int64_t
ppl_Octagonal_Shape_int64_t_tag, 772
ppl_one_affine_ranking_function_PR_Octagonal_-Shape_int64_t_2
ppl_Octagonal_Shape_int64_t_tag, 773
ppl_one_affine_ranking_function_PR_Octagonal_-Shape_int8_t
ppl_Octagonal_Shape_int8_t_tag, 800
ppl_one_affine_ranking_function_PR_Octagonal_-Shape_int8_t_2
ppl_Octagonal_Shape_int8_t_tag, 801
ppl_one_affine_ranking_function_PR_Octagonal_-Shape_long_double
ppl_Octagonal_Shape_long_double_tag, 829
ppl_one_affine_ranking_function_PR_Octagonal_-Shape_long_double_2
ppl_Octagonal_Shape_long_double_tag, 830
ppl_one_affine_ranking_function_PR_Octagonal_-Shape_mpq_class
ppl_Octagonal_Shape_mpq_class_tag, 858
ppl_one_affine_ranking_function_PR_Octagonal_-Shape_mpq_class_2
ppl_Octagonal_Shape_mpq_class_tag, 859
ppl_one_affine_ranking_function_PR_Octagonal_-Shape_mpz_class
ppl_Octagonal_Shape_mpz_class_tag, 887
ppl_one_affine_ranking_function_PR_Octagonal_-Shape_mpz_class_2
ppl_Octagonal_Shape_mpz_class_tag, 888
ppl_one_affine_ranking_function_PR_Rational_-Box
ppl_Rational_Box_tag, 1591
ppl_one_affine_ranking_function_PR_Rational_-Box_2
ppl_Rational_Box_tag, 1592
ppl_one_affine_ranking_function_PR_Uint16_Box
ppl_Uint16_Box_tag, 1617
ppl_one_affine_ranking_function_PR_Uint16_-Box_2
ppl_Uint16_Box_tag, 1617
ppl_one_affine_ranking_function_PR_Uint32_Box
ppl_Uint32_Box_tag, 1642
ppl_one_affine_ranking_function_PR_Uint32_-Box_2
ppl_Uint32_Box_tag, 1642
ppl_one_affine_ranking_function_PR_Uint64_Box
ppl_Uint64_Box_tag, 1667
ppl_one_affine_ranking_function_PR_Uint64_-Box_2
ppl_Uint64_Box_tag, 1667
ppl_one_affine_ranking_function_PR_Uint8_Box
ppl_Uint8_Box_tag, 1692
ppl_one_affine_ranking_function_PR_Uint8_-Box_2
ppl_Uint8_Box_tag, 1692
ppl_one_affine_ranking_function_PR_Z_Box
ppl_Z_Box_tag, 1715
ppl_one_affine_ranking_function_PR_Z_Box_2
ppl_Z_Box_tag, 1716
ppl_PIP_Decision_Node_tag, 889
ppl_PIP_Problem_add_space_dimensions_and_-embed
ppl_PIP_Problem_tag, 893
ppl_PIP_Problem_solve
ppl_PIP_Problem_tag, 894
ppl_PIP_Problem_space_dimension
ppl_PIP_Problem_tag, 893
ppl_PIP_Problem_tag, 890
ppl_PIP_Problem_add_space_dimensions_-and_embed, 893
ppl_PIP_Problem_solve, 894
ppl_PIP_Problem_space_dimension, 893
ppl_PIP_Solution_Node_get_parametric_values
ppl_PIP_Solution_Node_tag, 895
ppl_PIP_Solution_Node_tag, 894
ppl_PIP_Solution_Node_get_parametric_-values, 895
ppl_PIP_Tree_Node_tag, 895
ppl_Pointset_Powerset_BD_Shape_double_add_-congruence
ppl_Pointset_Powerset_BD_Shape_double_-tag, 909
ppl_Pointset_Powerset_BD_Shape_double_add_-congruences
ppl_Pointset_Powerset_BD_Shape_double_-tag, 909
ppl_Pointset_Powerset_BD_Shape_double_add_-constraint
ppl_Pointset_Powerset_BD_Shape_double_-tag, 908
ppl_Pointset_Powerset_BD_Shape_double_add_-constraints
ppl_Pointset_Powerset_BD_Shape_double_-tag, 909
ppl_Pointset_Powerset_BD_Shape_double_add_-disjunct
ppl_Pointset_Powerset_BD_Shape_double_-tag, 913
ppl_Pointset_Powerset_BD_Shape_double_add_-space_dimensions_and_embed
ppl_Pointset_Powerset_BD_Shape_double_-tag, 912
ppl_Pointset_Powerset_BD_Shape_double_add_-space_dimensions_and_project
ppl_Pointset_Powerset_BD_Shape_double_-tag, 912

ppl_Pointset_Powerset_BD_Shape_double_-affine_dimension
ppl_Pointset_Powerset_BD_Shape_double_-tag, 905
ppl_Pointset_Powerset_BD_Shape_double_-affine_image
ppl_Pointset_Powerset_BD_Shape_double_-tag, 911
ppl_Pointset_Powerset_BD_Shape_double_-affine_preimage
ppl_Pointset_Powerset_BD_Shape_double_-tag, 911
ppl_Pointset_Powerset_BD_Shape_double_ascii_-dump
ppl_Pointset_Powerset_BD_Shape_double_-tag, 915
ppl_Pointset_Powerset_BD_Shape_double_ascii_-load
ppl_Pointset_Powerset_BD_Shape_double_-tag, 915
ppl_Pointset_Powerset_BD_Shape_double_-BGP99_BHMZ05_extrapolation_assign
ppl_Pointset_Powerset_BD_Shape_double_-tag, 914
ppl_Pointset_Powerset_BD_Shape_double_-BGP99_H79_extrapolation_assign
ppl_Pointset_Powerset_BD_Shape_double_-tag, 914
ppl_Pointset_Powerset_BD_Shape_double_-BHZ03_H79_BHMZ05_widening_-assign
ppl_Pointset_Powerset_BD_Shape_double_-tag, 914
ppl_Pointset_Powerset_BD_Shape_double_-BHZ03_H79_H79_widening_assign
ppl_Pointset_Powerset_BD_Shape_double_-tag, 914
ppl_Pointset_Powerset_BD_Shape_double_-bounded_affine_image
ppl_Pointset_Powerset_BD_Shape_double_-tag, 911
ppl_Pointset_Powerset_BD_Shape_double_-bounded_affine_preimage
ppl_Pointset_Powerset_BD_Shape_double_-tag, 911
ppl_Pointset_Powerset_BD_Shape_double_-bounds_from_above
ppl_Pointset_Powerset_BD_Shape_double_-tag, 907
ppl_Pointset_Powerset_BD_Shape_double_-bounds_from_below
ppl_Pointset_Powerset_BD_Shape_double_-tag, 907
ppl_Pointset_Powerset_BD_Shape_double_-concatenate_assign
ppl_Pointset_Powerset_BD_Shape_double_-tag, 910
ppl_Pointset_Powerset_BD_Shape_double_const_-iterator_begin
ppl_Pointset_Powerset_BD_Shape_double_-const_iterator_tag, 897
ppl_Pointset_Powerset_BD_Shape_double_const_-iterator_decrement
ppl_Pointset_Powerset_BD_Shape_double_-const_iterator_tag, 898
ppl_Pointset_Powerset_BD_Shape_double_const_-iterator_dereference
ppl_Pointset_Powerset_BD_Shape_double_-const_iterator_tag, 898
ppl_Pointset_Powerset_BD_Shape_double_const_-iterator_end
ppl_Pointset_Powerset_BD_Shape_double_-const_iterator_tag, 897
ppl_Pointset_Powerset_BD_Shape_double_const_-iterator_equal_test
ppl_Pointset_Powerset_BD_Shape_double_-const_iterator_tag, 898
ppl_Pointset_Powerset_BD_Shape_double_const_-iterator_increment
ppl_Pointset_Powerset_BD_Shape_double_-const_iterator_tag, 898
ppl_Pointset_Powerset_BD_Shape_double_const_-iterator_tag, 896
ppl_delete_Pointset_Powerset_BD_Shape_-double_const_iterator, 898
ppl_new_Pointset_Powerset_BD_Shape_-double_const_iterator, 897
ppl_Pointset_Powerset_BD_Shape_double_-const_iterator_begin, 897
ppl_Pointset_Powerset_BD_Shape_double_-const_iterator_decrement, 898
ppl_Pointset_Powerset_BD_Shape_double_-const_iterator_dereference, 898
ppl_Pointset_Powerset_BD_Shape_double_-const_iterator_end, 897
ppl_Pointset_Powerset_BD_Shape_double_-const_iterator_increment, 898
ppl_Pointset_Powerset_BD_Shape_double_-constrains
ppl_Pointset_Powerset_BD_Shape_double_-tag, 910
ppl_Pointset_Powerset_BD_Shape_double_-contains_integer_point
ppl_Pointset_Powerset_BD_Shape_double_-tag, 906
ppl_Pointset_Powerset_BD_Shape_double_-contains_Pointset_Powerset_BD_-Shape_double

ppl_Pointset_Powerset_BD_Shape_double_-tag, 908
ppl_Pointset_Powerset_BD_Shape_double_-difference_assign
ppl_Pointset_Powerset_BD_Shape_double_-tag, 910
ppl_Pointset_Powerset_BD_Shape_double_drop_-disjunct
ppl_Pointset_Powerset_BD_Shape_double_-tag, 913
ppl_Pointset_Powerset_BD_Shape_double_drop_-disjuncts
ppl_Pointset_Powerset_BD_Shape_double_-tag, 914
ppl_Pointset_Powerset_BD_Shape_double_drop_-some_non_integer_points
ppl_Pointset_Powerset_BD_Shape_double_-tag, 913
ppl_Pointset_Powerset_BD_Shape_double_drop_-some_non_integer_points_2
ppl_Pointset_Powerset_BD_Shape_double_-tag, 913
ppl_Pointset_Powerset_BD_Shape_double_-equals_Pointset_Powerset_BD_Shape_-double
ppl_Pointset_Powerset_BD_Shape_double_-tag, 908
ppl_Pointset_Powerset_BD_Shape_double_-expand_space_dimension
ppl_Pointset_Powerset_BD_Shape_double_-tag, 912
ppl_Pointset_Powerset_BD_Shape_double_-external_memory_in_bytes
ppl_Pointset_Powerset_BD_Shape_double_-tag, 913
ppl_Pointset_Powerset_BD_Shape_double_fold_-space_dimensions
ppl_Pointset_Powerset_BD_Shape_double_-tag, 912
ppl_Pointset_Powerset_BD_Shape_double_-generalized_affine_image
ppl_Pointset_Powerset_BD_Shape_double_-tag, 911
ppl_Pointset_Powerset_BD_Shape_double_-generalized_affine_image_lhs_rhs
ppl_Pointset_Powerset_BD_Shape_double_-tag, 912
ppl_Pointset_Powerset_BD_Shape_double_-generalized_affine_preimage
ppl_Pointset_Powerset_BD_Shape_double_-tag, 911
ppl_Pointset_Powerset_BD_Shape_double_-generalized_affine_preimage_lhs_rhs
ppl_Pointset_Powerset_BD_Shape_double_-tag, 912
ppl_Pointset_Powerset_BD_Shape_double_-geometrically_covers_Pointset_-Powerset_BD_Shape_double
ppl_Pointset_Powerset_BD_Shape_double_-tag, 908
ppl_Pointset_Powerset_BD_Shape_double_-geometrically_equals_Pointset_-Powerset_BD_Shape_double
ppl_Pointset_Powerset_BD_Shape_double_-tag, 908
ppl_Pointset_Powerset_BD_Shape_double_-intersection_assign
ppl_Pointset_Powerset_BD_Shape_double_-tag, 909
ppl_Pointset_Powerset_BD_Shape_double_is_-bounded
ppl_Pointset_Powerset_BD_Shape_double_-tag, 906
ppl_Pointset_Powerset_BD_Shape_double_is_-discrete
ppl_Pointset_Powerset_BD_Shape_double_-tag, 906
ppl_Pointset_Powerset_BD_Shape_double_is_-disjoint_from_Pointset_Powerset_BD_-Shape_double
ppl_Pointset_Powerset_BD_Shape_double_-tag, 908
ppl_Pointset_Powerset_BD_Shape_double_is_-empty
ppl_Pointset_Powerset_BD_Shape_double_-tag, 906
ppl_Pointset_Powerset_BD_Shape_double_is_-topologically_closed
ppl_Pointset_Powerset_BD_Shape_double_-tag, 906
ppl_Pointset_Powerset_BD_Shape_double_is_-universe
ppl_Pointset_Powerset_BD_Shape_double_-tag, 906
ppl_Pointset_Powerset_BD_Shape_double_-iterator_begin
ppl_Pointset_Powerset_BD_Shape_double_-iterator_tag, 899
ppl_Pointset_Powerset_BD_Shape_double_-iterator_decrement
ppl_Pointset_Powerset_BD_Shape_double_-iterator_tag, 900
ppl_Pointset_Powerset_BD_Shape_double_-iterator_dereference
ppl_Pointset_Powerset_BD_Shape_double_-iterator_tag, 900
ppl_Pointset_Powerset_BD_Shape_double_-iterator_end

ppl_Pointset_Powerset_BD_Shape_double_-iterator_tag, 899
ppl_Pointset_Powerset_BD_Shape_double_-iterator_equal_test
ppl_Pointset_Powerset_BD_Shape_double_-iterator_tag, 899
ppl_Pointset_Powerset_BD_Shape_double_-iterator_increment
ppl_Pointset_Powerset_BD_Shape_double_-iterator_tag, 900
ppl_Pointset_Powerset_BD_Shape_double_-iterator_tag, 898
ppl_delete_Pointset_Powerset_BD_Shape_-double_iterator, 900
ppl_new_Pointset_Powerset_BD_Shape_-double_iterator, 899
ppl_new_Pointset_Powerset_BD_Shape_-double_iterator_from_iterator, 899
ppl_Pointset_Powerset_BD_Shape_double_-iterator_begin, 899
ppl_Pointset_Powerset_BD_Shape_double_-iterator_decrement, 900
ppl_Pointset_Powerset_BD_Shape_double_-iterator_dereference, 900
ppl_Pointset_Powerset_BD_Shape_double_-iterator_end, 899
ppl_Pointset_Powerset_BD_Shape_double_-iterator_equal_test, 899
ppl_Pointset_Powerset_BD_Shape_double_-iterator_increment, 900
ppl_Pointset_Powerset_BD_Shape_double_map_-space_dimensions
ppl_Pointset_Powerset_BD_Shape_double_-tag, 913
ppl_Pointset_Powerset_BD_Shape_double_-maximize
ppl_Pointset_Powerset_BD_Shape_double_-tag, 907
ppl_Pointset_Powerset_BD_Shape_double_-maximize_with_point
ppl_Pointset_Powerset_BD_Shape_double_-tag, 907
ppl_Pointset_Powerset_BD_Shape_double_-minimize
ppl_Pointset_Powerset_BD_Shape_double_-tag, 907
ppl_Pointset_Powerset_BD_Shape_double_-minimize_with_point
ppl_Pointset_Powerset_BD_Shape_double_-tag, 907
ppl_Pointset_Powerset_BD_Shape_double_OK
ppl_Pointset_Powerset_BD_Shape_double_-tag, 908
ppl_Pointset_Powerset_BD_Shape_double_-omega_reduce
ppl_Pointset_Powerset_BD_Shape_double_-tag, 907
ppl_Pointset_Powerset_BD_Shape_double_-pairwise_reduce
ppl_Pointset_Powerset_BD_Shape_double_-tag, 907
ppl_Pointset_Powerset_BD_Shape_double_-refine_with_congruence
ppl_Pointset_Powerset_BD_Shape_double_-tag, 909
ppl_Pointset_Powerset_BD_Shape_double_-refine_with_congruences
ppl_Pointset_Powerset_BD_Shape_double_-tag, 909
ppl_Pointset_Powerset_BD_Shape_double_-refine_with_constraint
ppl_Pointset_Powerset_BD_Shape_double_-tag, 909
ppl_Pointset_Powerset_BD_Shape_double_-refine_with_constraints
ppl_Pointset_Powerset_BD_Shape_double_-tag, 909
ppl_Pointset_Powerset_BD_Shape_double_-relation_with_Congruence
ppl_Pointset_Powerset_BD_Shape_double_-tag, 906
ppl_Pointset_Powerset_BD_Shape_double_-relation_with_Constraint
ppl_Pointset_Powerset_BD_Shape_double_-tag, 905
ppl_Pointset_Powerset_BD_Shape_double_-relation_with_Generator
ppl_Pointset_Powerset_BD_Shape_double_-tag, 906
ppl_Pointset_Powerset_BD_Shape_double_-remove_higher_space_dimensions
ppl_Pointset_Powerset_BD_Shape_double_-tag, 912
ppl_Pointset_Powerset_BD_Shape_double_-remove_space_dimensions
ppl_Pointset_Powerset_BD_Shape_double_-tag, 912
ppl_Pointset_Powerset_BD_Shape_double_-simplify_using_context_assign
ppl_Pointset_Powerset_BD_Shape_double_-tag, 910
ppl_Pointset_Powerset_BD_Shape_double_size
ppl_Pointset_Powerset_BD_Shape_double_-tag, 913
ppl_Pointset_Powerset_BD_Shape_double_-space_dimension

ppl_Pointset_Powerset_BD_Shape_double_-tag, 905
ppl_Pointset_Powerset_BD_Shape_double_-strictly_contains_Pointset_Powerset_-BD_Shape_double
ppl_Pointset_Powerset_BD_Shape_double_-tag, 908
ppl_Pointset_Powerset_BD_Shape_double_tag, 900
ppl_delete_Pointset_Powerset_BD_Shape_-double, 904
ppl_io_asprint_Pointset_Powerset_BD_-Shape_double, 914
ppl_io_fprint_Pointset_Powerset_BD_-Shape_double, 914
ppl_io_print_Pointset_Powerset_BD_Shape_-double, 914
ppl_new_Pointset_Powerset_BD_Shape_-double_from_BD_Shape_double, 905
ppl_new_Pointset_Powerset_BD_Shape_-double_from_Congruence_System, 905
ppl_new_Pointset_Powerset_BD_Shape_-double_from_Constraint_System, 905
ppl_new_Pointset_Powerset_BD_Shape_-double_from_space_dimension, 904
ppl_Pointset_Powerset_BD_Shape_double_-add_congruence, 909
ppl_Pointset_Powerset_BD_Shape_double_-add_congruences, 909
ppl_Pointset_Powerset_BD_Shape_double_-add_constraint, 908
ppl_Pointset_Powerset_BD_Shape_double_-add_constraints, 909
ppl_Pointset_Powerset_BD_Shape_double_-add_disjunct, 913
ppl_Pointset_Powerset_BD_Shape_double_-add_space_dimensions_and_embed, 912
ppl_Pointset_Powerset_BD_Shape_double_-add_space_dimensions_and_project, 912
ppl_Pointset_Powerset_BD_Shape_double_-affine_dimension, 905
ppl_Pointset_Powerset_BD_Shape_double_-affine_image, 911
ppl_Pointset_Powerset_BD_Shape_double_-affine_preimage, 911
ppl_Pointset_Powerset_BD_Shape_double_-ascii_dump, 915
ppl_Pointset_Powerset_BD_Shape_double_-ascii_load, 915
ppl_Pointset_Powerset_BD_Shape_double_-BGP99_BHMZ05_extrapolation_assign, 914
ppl_Pointset_Powerset_BD_Shape_double_-BGP99_H79_extrapolation_assign, 914
ppl_Pointset_Powerset_BD_Shape_double_-BHZ03_H79_BHMZ05_widening_-assign, 914
ppl_Pointset_Powerset_BD_Shape_double_-BHZ03_H79_H79_widening_assign, 914
ppl_Pointset_Powerset_BD_Shape_double_-bounded_affine_image, 911
ppl_Pointset_Powerset_BD_Shape_double_-bounded_affine_preimage, 911
ppl_Pointset_Powerset_BD_Shape_double_-bounds_from_above, 907
ppl_Pointset_Powerset_BD_Shape_double_-bounds_from_below, 907
ppl_Pointset_Powerset_BD_Shape_double_-concatenate_assign, 910
ppl_Pointset_Powerset_BD_Shape_double_-constrains, 910
ppl_Pointset_Powerset_BD_Shape_double_-contains_integer_point, 906
ppl_Pointset_Powerset_BD_Shape_double_-difference_assign, 910
ppl_Pointset_Powerset_BD_Shape_double_-drop_disjunct, 913
ppl_Pointset_Powerset_BD_Shape_double_-drop_disjuncts, 914
ppl_Pointset_Powerset_BD_Shape_double_-drop_some_non_integer_points, 913
ppl_Pointset_Powerset_BD_Shape_double_-drop_some_non_integer_points_2, 913
ppl_Pointset_Powerset_BD_Shape_double_-expand_space_dimension, 912
ppl_Pointset_Powerset_BD_Shape_double_-external_memory_in_bytes, 913
ppl_Pointset_Powerset_BD_Shape_double_-fold_space_dimensions, 912
ppl_Pointset_Powerset_BD_Shape_double_-generalized_affine_image, 911
ppl_Pointset_Powerset_BD_Shape_double_-generalized_affine_image_lhs_rhs, 912
ppl_Pointset_Powerset_BD_Shape_double_-generalized_affine_preimage, 911
ppl_Pointset_Powerset_BD_Shape_double_-generalized_affine_preimage_lhs_rhs, 912
ppl_Pointset_Powerset_BD_Shape_double_-intersection_assign, 909
ppl_Pointset_Powerset_BD_Shape_double_-is_bounded, 906
ppl_Pointset_Powerset_BD_Shape_double_-is_discrete, 906

ppl_Pointset_Powerset_BD_Shape_double_-
is_empty, 906
ppl_Pointset_Powerset_BD_Shape_double_-
is_topologically_closed, 906
ppl_Pointset_Powerset_BD_Shape_double_-
is_universe, 906
ppl_Pointset_Powerset_BD_Shape_double_-
map_space_dimensions, 913
ppl_Pointset_Powerset_BD_Shape_double_-
maximize, 907
ppl_Pointset_Powerset_BD_Shape_double_-
maximize_with_point, 907
ppl_Pointset_Powerset_BD_Shape_double_-
minimize, 907
ppl_Pointset_Powerset_BD_Shape_double_-
minimize_with_point, 907
ppl_Pointset_Powerset_BD_Shape_double_-
OK, 908
ppl_Pointset_Powerset_BD_Shape_double_-
omega_reduce, 907
ppl_Pointset_Powerset_BD_Shape_double_-
pairwise_reduce, 907
ppl_Pointset_Powerset_BD_Shape_double_-
refine_with_congruence, 909
ppl_Pointset_Powerset_BD_Shape_double_-
refine_with_congruences, 909
ppl_Pointset_Powerset_BD_Shape_double_-
refine_with_constraint, 909
ppl_Pointset_Powerset_BD_Shape_double_-
refine_with_constraints, 909
ppl_Pointset_Powerset_BD_Shape_double_-
relation_with_Congruence, 906
ppl_Pointset_Powerset_BD_Shape_double_-
relation_with_Constraint, 905
ppl_Pointset_Powerset_BD_Shape_double_-
relation_with_Generator, 906
ppl_Pointset_Powerset_BD_Shape_double_-
remove_higher_space_dimensions, 912
ppl_Pointset_Powerset_BD_Shape_double_-
remove_space_dimensions, 912
ppl_Pointset_Powerset_BD_Shape_double_-
simplify_using_context_assign, 910
ppl_Pointset_Powerset_BD_Shape_double_-
size, 913
ppl_Pointset_Powerset_BD_Shape_double_-
space_dimension, 905
ppl_Pointset_Powerset_BD_Shape_double_-
time_elapse_assign, 910
ppl_Pointset_Powerset_BD_Shape_double_-
topological_closure_assign, 906
ppl_Pointset_Powerset_BD_Shape_double_-
total_memory_in_bytes, 913
ppl_Pointset_Powerset_BD_Shape_double_-
unconstrain_space_dimension, 910
ppl_Pointset_Powerset_BD_Shape_double_-
unconstrain_space_dimensions, 911
ppl_Pointset_Powerset_BD_Shape_double_-
upper_bound_assign, 910
ppl_Pointset_Powerset_BD_Shape_double_-
upper_bound_assign_if_exact, 910
ppl_Pointset_Powerset_BD_Shape_double_time_-
elapse_assign
ppl_Pointset_Powerset_BD_Shape_double_-
tag, 910
ppl_Pointset_Powerset_BD_Shape_double_-
topological_closure_assign
ppl_Pointset_Powerset_BD_Shape_double_-
tag, 906
ppl_Pointset_Powerset_BD_Shape_double_total_-
memory_in_bytes
ppl_Pointset_Powerset_BD_Shape_double_-
tag, 913
ppl_Pointset_Powerset_BD_Shape_double_-
unconstrain_space_dimension
ppl_Pointset_Powerset_BD_Shape_double_-
tag, 910
ppl_Pointset_Powerset_BD_Shape_double_-
unconstrain_space_dimensions
ppl_Pointset_Powerset_BD_Shape_double_-
tag, 911
ppl_Pointset_Powerset_BD_Shape_double_-
upper_bound_assign
ppl_Pointset_Powerset_BD_Shape_double_-
tag, 910
ppl_Pointset_Powerset_BD_Shape_double_-
upper_bound_assign_if_exact
ppl_Pointset_Powerset_BD_Shape_double_-
tag, 910
ppl_Pointset_Powerset_BD_Shape_float_add_-
congruence
ppl_Pointset_Powerset_BD_Shape_float_tag,
927
ppl_Pointset_Powerset_BD_Shape_float_add_-
congruences
ppl_Pointset_Powerset_BD_Shape_float_tag,
927
ppl_Pointset_Powerset_BD_Shape_float_add_-
constraint
ppl_Pointset_Powerset_BD_Shape_float_tag,
927
ppl_Pointset_Powerset_BD_Shape_float_add_-
constraints
ppl_Pointset_Powerset_BD_Shape_float_tag,
927
ppl_Pointset_Powerset_BD_Shape_float_add_-
disjunct
ppl_Pointset_Powerset_BD_Shape_float_tag,
932

ppl_Pointset_Powerset_BD_Shape_float_add_-space_dimensions_and_embed
ppl_Pointset_Powerset_BD_Shape_float_tag, 930
ppl_Pointset_Powerset_BD_Shape_float_add_-space_dimensions_and_project
ppl_Pointset_Powerset_BD_Shape_float_tag, 930
ppl_Pointset_Powerset_BD_Shape_float_affine_-dimension
ppl_Pointset_Powerset_BD_Shape_float_tag, 924
ppl_Pointset_Powerset_BD_Shape_float_affine_-image
ppl_Pointset_Powerset_BD_Shape_float_tag, 929
ppl_Pointset_Powerset_BD_Shape_float_affine_-preimage
ppl_Pointset_Powerset_BD_Shape_float_tag, 929
ppl_Pointset_Powerset_BD_Shape_float_ascii_-dump
ppl_Pointset_Powerset_BD_Shape_float_tag, 933
ppl_Pointset_Powerset_BD_Shape_float_ascii_-load
ppl_Pointset_Powerset_BD_Shape_float_tag, 933
ppl_Pointset_Powerset_BD_Shape_float_BGP99_-BHMZ05_extrapolation_assign
ppl_Pointset_Powerset_BD_Shape_float_tag, 932
ppl_Pointset_Powerset_BD_Shape_float_BGP99_-H79_extrapolation_assign
ppl_Pointset_Powerset_BD_Shape_float_tag, 933
ppl_Pointset_Powerset_BD_Shape_float_BHZ03_-H79_BHMZ05_widening_assign
ppl_Pointset_Powerset_BD_Shape_float_tag, 932
ppl_Pointset_Powerset_BD_Shape_float_BHZ03_-H79_H79_widening_assign
ppl_Pointset_Powerset_BD_Shape_float_tag, 932
ppl_Pointset_Powerset_BD_Shape_float_-bounded_affine_image
ppl_Pointset_Powerset_BD_Shape_float_tag, 929
ppl_Pointset_Powerset_BD_Shape_float_-bounded_affine_preimage
ppl_Pointset_Powerset_BD_Shape_float_tag, 930
ppl_Pointset_Powerset_BD_Shape_float_bounds_-from_above
ppl_Pointset_Powerset_BD_Shape_float_tag, 925
ppl_Pointset_Powerset_BD_Shape_float_bounds_-from_below
ppl_Pointset_Powerset_BD_Shape_float_tag, 925
ppl_Pointset_Powerset_BD_Shape_float_-concatenate_assign
ppl_Pointset_Powerset_BD_Shape_float_tag, 928
ppl_Pointset_Powerset_BD_Shape_float_const_-iterator_begin
ppl_Pointset_Powerset_BD_Shape_float_-const_iterator_tag, 916
ppl_Pointset_Powerset_BD_Shape_float_const_-iterator_decrement
ppl_Pointset_Powerset_BD_Shape_float_-const_iterator_tag, 916
ppl_Pointset_Powerset_BD_Shape_float_const_-iterator_dereference
ppl_Pointset_Powerset_BD_Shape_float_-const_iterator_tag, 916
ppl_Pointset_Powerset_BD_Shape_float_const_-iterator_end
ppl_Pointset_Powerset_BD_Shape_float_-const_iterator_tag, 916
ppl_Pointset_Powerset_BD_Shape_float_const_-iterator_equal_test
ppl_Pointset_Powerset_BD_Shape_float_-const_iterator_tag, 916
ppl_Pointset_Powerset_BD_Shape_float_const_-iterator_increment
ppl_Pointset_Powerset_BD_Shape_float_-const_iterator_tag, 916
ppl_Pointset_Powerset_BD_Shape_float_const_-iterator_tag, 915
ppl_delete_Pointset_Powerset_BD_Shape_-float_const_iterator, 917
ppl_new_Pointset_Powerset_BD_Shape_-float_const_iterator, 916
ppl_Pointset_Powerset_BD_Shape_float_-const_iterator_begin, 916
ppl_Pointset_Powerset_BD_Shape_float_-const_iterator_decrement, 916
ppl_Pointset_Powerset_BD_Shape_float_-const_iterator_dereference, 916
ppl_Pointset_Powerset_BD_Shape_float_-const_iterator_end, 916
ppl_Pointset_Powerset_BD_Shape_float_-const_iterator_increment, 916
ppl_Pointset_Powerset_BD_Shape_float_-constrains
ppl_Pointset_Powerset_BD_Shape_float_tag, 929

ppl_Pointset_Powerset_BD_Shape_float_-
contains_integer_point
ppl_Pointset_Powerset_BD_Shape_float_tag,
925
ppl_Pointset_Powerset_BD_Shape_float_-
contains_Pointset_Powerset_BD_-
Shape_float
ppl_Pointset_Powerset_BD_Shape_float_tag,
926
ppl_Pointset_Powerset_BD_Shape_float_-
difference_assign
ppl_Pointset_Powerset_BD_Shape_float_tag,
928
ppl_Pointset_Powerset_BD_Shape_float_drop_-
disjunct
ppl_Pointset_Powerset_BD_Shape_float_tag,
932
ppl_Pointset_Powerset_BD_Shape_float_drop_-
disjuncts
ppl_Pointset_Powerset_BD_Shape_float_tag,
932
ppl_Pointset_Powerset_BD_Shape_float_drop_-
some_non_integer_points
ppl_Pointset_Powerset_BD_Shape_float_tag,
931
ppl_Pointset_Powerset_BD_Shape_float_drop_-
some_non_integer_points_2
ppl_Pointset_Powerset_BD_Shape_float_tag,
931
ppl_Pointset_Powerset_BD_Shape_float_equals_-
Pointset_Powerset_BD_Shape_float
ppl_Pointset_Powerset_BD_Shape_float_tag,
927
ppl_Pointset_Powerset_BD_Shape_float_expand_-
space_dimension
ppl_Pointset_Powerset_BD_Shape_float_tag,
931
ppl_Pointset_Powerset_BD_Shape_float_-
external_memory_in_bytes
ppl_Pointset_Powerset_BD_Shape_float_tag,
931
ppl_Pointset_Powerset_BD_Shape_float_fold_-
space_dimensions
ppl_Pointset_Powerset_BD_Shape_float_tag,
931
ppl_Pointset_Powerset_BD_Shape_float_-
generalized_affine_image
ppl_Pointset_Powerset_BD_Shape_float_tag,
930
ppl_Pointset_Powerset_BD_Shape_float_-
generalized_affine_image_lhs_rhs
ppl_Pointset_Powerset_BD_Shape_float_tag,
930
ppl_Pointset_Powerset_BD_Shape_float_-
generalized_affine_preimage
ppl_Pointset_Powerset_BD_Shape_float_tag,
930
ppl_Pointset_Powerset_BD_Shape_float_-
generalized_affine_preimage_lhs_rhs
ppl_Pointset_Powerset_BD_Shape_float_tag,
930
ppl_Pointset_Powerset_BD_Shape_float_-
geometrically_covers_Pointset_-
Powerset_BD_Shape_float
ppl_Pointset_Powerset_BD_Shape_float_tag,
926
ppl_Pointset_Powerset_BD_Shape_float_-
geometrically_equals_Pointset_-
Powerset_BD_Shape_float
ppl_Pointset_Powerset_BD_Shape_float_tag,
927
ppl_Pointset_Powerset_BD_Shape_float_-
intersection_assign
ppl_Pointset_Powerset_BD_Shape_float_tag,
928
ppl_Pointset_Powerset_BD_Shape_float_is_-
bounded
ppl_Pointset_Powerset_BD_Shape_float_tag,
925
ppl_Pointset_Powerset_BD_Shape_float_is_-
discrete
ppl_Pointset_Powerset_BD_Shape_float_tag,
925
ppl_Pointset_Powerset_BD_Shape_float_is_-
disjoint_from_Pointset_Powerset_BD_-
Shape_float
ppl_Pointset_Powerset_BD_Shape_float_tag,
926
ppl_Pointset_Powerset_BD_Shape_float_is_empty
ppl_Pointset_Powerset_BD_Shape_float_tag,
924
ppl_Pointset_Powerset_BD_Shape_float_is_-
topologically_closed
ppl_Pointset_Powerset_BD_Shape_float_tag,
925
ppl_Pointset_Powerset_BD_Shape_float_is_-
universe
ppl_Pointset_Powerset_BD_Shape_float_tag,
924
ppl_Pointset_Powerset_BD_Shape_float_iterator_-
begin
ppl_Pointset_Powerset_BD_Shape_float_-
iterator_tag, 918
ppl_Pointset_Powerset_BD_Shape_float_iterator_-
decrement
ppl_Pointset_Powerset_BD_Shape_float_-
iterator_tag, 918
ppl_Pointset_Powerset_BD_Shape_float_iterator_-

dereference
ppl_Pointset_Powerset_BD_Shape_float_-iterator_tag, 918
ppl_Pointset_Powerset_BD_Shape_float_iterator_-end
ppl_Pointset_Powerset_BD_Shape_float_-iterator_tag, 918
ppl_Pointset_Powerset_BD_Shape_float_iterator_-equal_test
ppl_Pointset_Powerset_BD_Shape_float_-iterator_tag, 918
ppl_Pointset_Powerset_BD_Shape_float_iterator_-increment
ppl_Pointset_Powerset_BD_Shape_float_-iterator_tag, 918
ppl_Pointset_Powerset_BD_Shape_float_iterator_-tag, 917
ppl_delete_Pointset_Powerset_BD_Shape_-float_iterator, 918
ppl_new_Pointset_Powerset_BD_Shape_-float_iterator, 918
ppl_new_Pointset_Powerset_BD_Shape_-float_iterator_from_iterator, 918
ppl_Pointset_Powerset_BD_Shape_float_-iterator_begin, 918
ppl_Pointset_Powerset_BD_Shape_float_-iterator_decrement, 918
ppl_Pointset_Powerset_BD_Shape_float_-iterator_dereference, 918
ppl_Pointset_Powerset_BD_Shape_float_-iterator_end, 918
ppl_Pointset_Powerset_BD_Shape_float_-iterator_equal_test, 918
ppl_Pointset_Powerset_BD_Shape_float_-iterator_increment, 918
ppl_Pointset_Powerset_BD_Shape_float_map_-space_dimensions
ppl_Pointset_Powerset_BD_Shape_float_tag, 931
ppl_Pointset_Powerset_BD_Shape_float_maximize
ppl_Pointset_Powerset_BD_Shape_float_tag, 926
ppl_Pointset_Powerset_BD_Shape_float_-maximize_with_point
ppl_Pointset_Powerset_BD_Shape_float_tag, 926
ppl_Pointset_Powerset_BD_Shape_float_minimize
ppl_Pointset_Powerset_BD_Shape_float_tag, 926
ppl_Pointset_Powerset_BD_Shape_float_-minimize_with_point
ppl_Pointset_Powerset_BD_Shape_float_tag, 926
ppl_Pointset_Powerset_BD_Shape_float_OK
ppl_Pointset_Powerset_BD_Shape_float_tag, 927
ppl_Pointset_Powerset_BD_Shape_float_omega_-reduce
ppl_Pointset_Powerset_BD_Shape_float_tag, 925
ppl_Pointset_Powerset_BD_Shape_float_-pairwise_reduce
ppl_Pointset_Powerset_BD_Shape_float_tag, 925
ppl_Pointset_Powerset_BD_Shape_float_refine_-with_congruence
ppl_Pointset_Powerset_BD_Shape_float_tag, 928
ppl_Pointset_Powerset_BD_Shape_float_refine_-with_congruences
ppl_Pointset_Powerset_BD_Shape_float_tag, 928
ppl_Pointset_Powerset_BD_Shape_float_refine_-with_constraint
ppl_Pointset_Powerset_BD_Shape_float_tag, 927
ppl_Pointset_Powerset_BD_Shape_float_refine_-with_constraints
ppl_Pointset_Powerset_BD_Shape_float_tag, 928
ppl_Pointset_Powerset_BD_Shape_float_relation_-with_Congruence
ppl_Pointset_Powerset_BD_Shape_float_tag, 924
ppl_Pointset_Powerset_BD_Shape_float_relation_-with_Constraint
ppl_Pointset_Powerset_BD_Shape_float_tag, 924
ppl_Pointset_Powerset_BD_Shape_float_relation_-with_Generator
ppl_Pointset_Powerset_BD_Shape_float_tag, 924
ppl_Pointset_Powerset_BD_Shape_float_remove_-higher_space_dimensions
ppl_Pointset_Powerset_BD_Shape_float_tag, 931
ppl_Pointset_Powerset_BD_Shape_float_remove_-space_dimensions
ppl_Pointset_Powerset_BD_Shape_float_tag, 931
ppl_Pointset_Powerset_BD_Shape_float_-simplify_using_context_assign
ppl_Pointset_Powerset_BD_Shape_float_tag, 929
ppl_Pointset_Powerset_BD_Shape_float_size
ppl_Pointset_Powerset_BD_Shape_float_tag, 932

ppl_Pointset_Powerset_BD_Shape_float_space_-
dimension
ppl_Pointset_Powerset_BD_Shape_float_tag,
924
ppl_Pointset_Powerset_BD_Shape_float_strictly_-
contains_Pointset_Powerset_BD_-
Shape_float
ppl_Pointset_Powerset_BD_Shape_float_tag,
926
ppl_Pointset_Powerset_BD_Shape_float_tag, 919
ppl_delete_Pointset_Powerset_BD_Shape_-
float, 923
ppl_io_asprint_Pointset_Powerset_BD_-
Shape_float, 933
ppl_io_fprint_Pointset_Powerset_BD_-
Shape_float, 933
ppl_io_print_Pointset_Powerset_BD_Shape_-
float, 933
ppl_new_Pointset_Powerset_BD_Shape_-
float_from_BD_Shape_float, 923
ppl_new_Pointset_Powerset_BD_Shape_-
float_from_Congruence_System, 924
ppl_new_Pointset_Powerset_BD_Shape_-
float_from_Constraint_System, 923
ppl_new_Pointset_Powerset_BD_Shape_-
float_from_space_dimension, 923
ppl_Pointset_Powerset_BD_Shape_float_-
add_congruence, 927
ppl_Pointset_Powerset_BD_Shape_float_-
add_congruences, 927
ppl_Pointset_Powerset_BD_Shape_float_-
add_constraint, 927
ppl_Pointset_Powerset_BD_Shape_float_-
add_constraints, 927
ppl_Pointset_Powerset_BD_Shape_float_-
add_disjunct, 932
ppl_Pointset_Powerset_BD_Shape_float_-
add_space_dimensions_and_embed,
930
ppl_Pointset_Powerset_BD_Shape_float_-
add_space_dimensions_and_project,
930
ppl_Pointset_Powerset_BD_Shape_float_-
affine_dimension, 924
ppl_Pointset_Powerset_BD_Shape_float_-
affine_image, 929
ppl_Pointset_Powerset_BD_Shape_float_-
affine_preimage, 929
ppl_Pointset_Powerset_BD_Shape_float_-
ascii_dump, 933
ppl_Pointset_Powerset_BD_Shape_float_-
ascii_load, 933
ppl_Pointset_Powerset_BD_Shape_float_-
BGP99_BHMZ05_extrapolation_assign,
932
ppl_Pointset_Powerset_BD_Shape_float_-
BGP99_H79_extrapolation_assign, 933
ppl_Pointset_Powerset_BD_Shape_float_-
BHZ03_H79_BHMZ05_widening_-
assign, 932
ppl_Pointset_Powerset_BD_Shape_float_-
BHZ03_H79_H79_widening_assign,
932
ppl_Pointset_Powerset_BD_Shape_float_-
bounded_affine_image, 929
ppl_Pointset_Powerset_BD_Shape_float_-
bounded_affine_preimage, 930
ppl_Pointset_Powerset_BD_Shape_float_-
bounds_from_above, 925
ppl_Pointset_Powerset_BD_Shape_float_-
bounds_from_below, 925
ppl_Pointset_Powerset_BD_Shape_float_-
concatenate_assign, 928
ppl_Pointset_Powerset_BD_Shape_float_-
constrains, 929
ppl_Pointset_Powerset_BD_Shape_float_-
contains_integer_point, 925
ppl_Pointset_Powerset_BD_Shape_float_-
difference_assign, 928
ppl_Pointset_Powerset_BD_Shape_float_-
drop_disjunct, 932
ppl_Pointset_Powerset_BD_Shape_float_-
drop_disjuncts, 932
ppl_Pointset_Powerset_BD_Shape_float_-
drop_some_non_integer_points, 931
ppl_Pointset_Powerset_BD_Shape_float_-
drop_some_non_integer_points_2, 931
ppl_Pointset_Powerset_BD_Shape_float_-
expand_space_dimension, 931
ppl_Pointset_Powerset_BD_Shape_float_-
external_memory_in_bytes, 931
ppl_Pointset_Powerset_BD_Shape_float_-
fold_space_dimensions, 931
ppl_Pointset_Powerset_BD_Shape_float_-
generalized_affine_image, 930
ppl_Pointset_Powerset_BD_Shape_float_-
generalized_affine_image_lhs_rhs, 930
ppl_Pointset_Powerset_BD_Shape_float_-
generalized_affine_preimage, 930
ppl_Pointset_Powerset_BD_Shape_float_-
generalized_affine_preimage_lhs_rhs,
930
ppl_Pointset_Powerset_BD_Shape_float_-
intersection_assign, 928
ppl_Pointset_Powerset_BD_Shape_float_is_-
bounded, 925
ppl_Pointset_Powerset_BD_Shape_float_is_-
discrete, 925

ppl_Pointset_Powerset_BD_Shape_float_is_-
empty, 924
ppl_Pointset_Powerset_BD_Shape_float_is_-
topologically_closed, 925
ppl_Pointset_Powerset_BD_Shape_float_is_-
universe, 924
ppl_Pointset_Powerset_BD_Shape_float_-
map_space_dimensions, 931
ppl_Pointset_Powerset_BD_Shape_float_-
maximize, 926
ppl_Pointset_Powerset_BD_Shape_float_-
maximize_with_point, 926
ppl_Pointset_Powerset_BD_Shape_float_-
minimize, 926
ppl_Pointset_Powerset_BD_Shape_float_-
minimize_with_point, 926
ppl_Pointset_Powerset_BD_Shape_float_OK,
927
ppl_Pointset_Powerset_BD_Shape_float_-
omega_reduce, 925
ppl_Pointset_Powerset_BD_Shape_float_-
pairwise_reduce, 925
ppl_Pointset_Powerset_BD_Shape_float_-
refine_with_congruence, 928
ppl_Pointset_Powerset_BD_Shape_float_-
refine_with_congruences, 928
ppl_Pointset_Powerset_BD_Shape_float_-
refine_with_constraint, 927
ppl_Pointset_Powerset_BD_Shape_float_-
refine_with_constraints, 928
ppl_Pointset_Powerset_BD_Shape_float_-
relation_with_Congruence, 924
ppl_Pointset_Powerset_BD_Shape_float_-
relation_with_Constraint, 924
ppl_Pointset_Powerset_BD_Shape_float_-
relation_with_Generator, 924
ppl_Pointset_Powerset_BD_Shape_float_-
remove_higher_space_dimensions, 931
ppl_Pointset_Powerset_BD_Shape_float_-
remove_space_dimensions, 931
ppl_Pointset_Powerset_BD_Shape_float_-
simplify_using_context_assign, 929
ppl_Pointset_Powerset_BD_Shape_float_size,
932
ppl_Pointset_Powerset_BD_Shape_float_-
space_dimension, 924
ppl_Pointset_Powerset_BD_Shape_float_-
time_elapse_assign, 928
ppl_Pointset_Powerset_BD_Shape_float_-
topological_closure_assign, 925
ppl_Pointset_Powerset_BD_Shape_float_-
total_memory_in_bytes, 932
ppl_Pointset_Powerset_BD_Shape_float_-
unconstrain_space_dimension, 929
ppl_Pointset_Powerset_BD_Shape_float_-
unconstrain_space_dimensions, 929
ppl_Pointset_Powerset_BD_Shape_float_-
upper_bound_assign, 928
ppl_Pointset_Powerset_BD_Shape_float_-
upper_bound_assign_if_exact, 929
ppl_Pointset_Powerset_BD_Shape_float_time_-
elapse_assign
ppl_Pointset_Powerset_BD_Shape_float_tag,
928
ppl_Pointset_Powerset_BD_Shape_float_-
topological_closure_assign
ppl_Pointset_Powerset_BD_Shape_float_tag,
925
ppl_Pointset_Powerset_BD_Shape_float_total_-
memory_in_bytes
ppl_Pointset_Powerset_BD_Shape_float_tag,
932
ppl_Pointset_Powerset_BD_Shape_float_-
unconstrain_space_dimension
ppl_Pointset_Powerset_BD_Shape_float_tag,
929
ppl_Pointset_Powerset_BD_Shape_float_-
unconstrain_space_dimensions
ppl_Pointset_Powerset_BD_Shape_float_tag,
929
ppl_Pointset_Powerset_BD_Shape_float_upper_-
bound_assign
ppl_Pointset_Powerset_BD_Shape_float_tag,
928
ppl_Pointset_Powerset_BD_Shape_float_upper_-
bound_assign_if_exact
ppl_Pointset_Powerset_BD_Shape_float_tag,
929
ppl_Pointset_Powerset_BD_Shape_int16_t_add_-
congruence
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 946
ppl_Pointset_Powerset_BD_Shape_int16_t_add_-
congruences
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 946
ppl_Pointset_Powerset_BD_Shape_int16_t_add_-
constraint
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 945
ppl_Pointset_Powerset_BD_Shape_int16_t_add_-
constraints
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 946
ppl_Pointset_Powerset_BD_Shape_int16_t_add_-
disjunct
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 950

ppl_Pointset_Powerset_BD_Shape_int16_t_add_space_dimensions_and_embed
ppl_Pointset_Powerset_BD_Shape_int16_t_tag, 949
ppl_Pointset_Powerset_BD_Shape_int16_t_add_space_dimensions_and_project
ppl_Pointset_Powerset_BD_Shape_int16_t_tag, 949
ppl_Pointset_Powerset_BD_Shape_int16_t_affine_dimension
ppl_Pointset_Powerset_BD_Shape_int16_t_tag, 942
ppl_Pointset_Powerset_BD_Shape_int16_t_affine_image
ppl_Pointset_Powerset_BD_Shape_int16_t_tag, 948
ppl_Pointset_Powerset_BD_Shape_int16_t_affine_preimage
ppl_Pointset_Powerset_BD_Shape_int16_t_tag, 948
ppl_Pointset_Powerset_BD_Shape_int16_t_ascii_dump
ppl_Pointset_Powerset_BD_Shape_int16_t_tag, 952
ppl_Pointset_Powerset_BD_Shape_int16_t_ascii_load
ppl_Pointset_Powerset_BD_Shape_int16_t_tag, 952
ppl_Pointset_Powerset_BD_Shape_int16_t_BGP99_BHMZ05_extrapolation_assign
ppl_Pointset_Powerset_BD_Shape_int16_t_tag, 951
ppl_Pointset_Powerset_BD_Shape_int16_t_BGP99_H79_extrapolation_assign
ppl_Pointset_Powerset_BD_Shape_int16_t_tag, 951
ppl_Pointset_Powerset_BD_Shape_int16_t_BHZ03_H79_BHMZ05_widening_assign
ppl_Pointset_Powerset_BD_Shape_int16_t_tag, 951
ppl_Pointset_Powerset_BD_Shape_int16_t_BHZ03_H79_H79_widening_assign
ppl_Pointset_Powerset_BD_Shape_int16_t_tag, 951
ppl_Pointset_Powerset_BD_Shape_int16_t_bounded_affine_image
ppl_Pointset_Powerset_BD_Shape_int16_t_tag, 948
ppl_Pointset_Powerset_BD_Shape_int16_t_bounded_affine_preimage
ppl_Pointset_Powerset_BD_Shape_int16_t_tag, 948
ppl_Pointset_Powerset_BD_Shape_int16_t_bounds_from_above
ppl_Pointset_Powerset_BD_Shape_int16_t_tag, 944
ppl_Pointset_Powerset_BD_Shape_int16_t_bounds_from_below
ppl_Pointset_Powerset_BD_Shape_int16_t_tag, 944
ppl_Pointset_Powerset_BD_Shape_int16_t_concatenate_assign
ppl_Pointset_Powerset_BD_Shape_int16_t_tag, 947
ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_begin
ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_tag, 934
ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_decrement
ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_tag, 935
ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_dereference
ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_tag, 935
ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_end
ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_tag, 934
ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_equal_test
ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_tag, 935
ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_increment
ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_tag, 935
ppl_Pointset_Powerset_BD_Shape_int16_t_const_iterator_tag, 933
ppl_Pointset_Powerset_BD_Shape_int16_t_constrains
ppl_Pointset_Powerset_BD_Shape_int16_t_tag, 947
ppl_Pointset_Powerset_BD_Shape_int16_t_contains_integer_point
ppl_Pointset_Powerset_BD_Shape_int16_t_tag, 943
ppl_Pointset_Powerset_BD_Shape_int16_t_difference_assign
ppl_Pointset_Powerset_BD_Shape_int16_t_tag, 947
ppl_Pointset_Powerset_BD_Shape_int16_t_drop_disjunct
ppl_Pointset_Powerset_BD_Shape_int16_t_tag, 950

ppl_Pointset_Powerset_BD_Shape_int16_t_drop_-
disjuncts
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 951
ppl_Pointset_Powerset_BD_Shape_int16_t_drop_-
some_non_integer_points
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 950
ppl_Pointset_Powerset_BD_Shape_int16_t_drop_-
some_non_integer_points_2
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 950
ppl_Pointset_Powerset_BD_Shape_int16_t_-
equals_Pointset_Powerset_BD_Shape_-
int16_t
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 945
ppl_Pointset_Powerset_BD_Shape_int16_t_-
expand_space_dimension
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 949
ppl_Pointset_Powerset_BD_Shape_int16_t_-
external_memory_in_bytes
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 950
ppl_Pointset_Powerset_BD_Shape_int16_t_fold_-
space_dimensions
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 949
ppl_Pointset_Powerset_BD_Shape_int16_t_-
generalized_affine_image
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 948
ppl_Pointset_Powerset_BD_Shape_int16_t_-
generalized_affine_image_lhs_rhs
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 949
ppl_Pointset_Powerset_BD_Shape_int16_t_-
generalized_affine_preimage
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 948
ppl_Pointset_Powerset_BD_Shape_int16_t_-
generalized_affine_preimage_lhs_rhs
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 949
ppl_Pointset_Powerset_BD_Shape_int16_t_-
intersection_assign
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 946
ppl_Pointset_Powerset_BD_Shape_int16_t_is_-
bounded
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 943
ppl_Pointset_Powerset_BD_Shape_int16_t_is_-
discrete
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 943
ppl_Pointset_Powerset_BD_Shape_int16_t_is_-
empty
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 943
ppl_Pointset_Powerset_BD_Shape_int16_t_is_-
topologically_closed
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 943
ppl_Pointset_Powerset_BD_Shape_int16_t_is_-
universe
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 943
ppl_Pointset_Powerset_BD_Shape_int16_t_-
iterator_begin
ppl_Pointset_Powerset_BD_Shape_int16_t_-
iterator_tag, 936
ppl_Pointset_Powerset_BD_Shape_int16_t_-
iterator_decrement
ppl_Pointset_Powerset_BD_Shape_int16_t_-
iterator_tag, 937
ppl_Pointset_Powerset_BD_Shape_int16_t_-
iterator_dereference
ppl_Pointset_Powerset_BD_Shape_int16_t_-
iterator_tag, 937
ppl_Pointset_Powerset_BD_Shape_int16_t_-
iterator_end
ppl_Pointset_Powerset_BD_Shape_int16_t_-
iterator_tag, 936
ppl_Pointset_Powerset_BD_Shape_int16_t_-
iterator_equal_test
ppl_Pointset_Powerset_BD_Shape_int16_t_-
iterator_tag, 936
ppl_Pointset_Powerset_BD_Shape_int16_t_-
iterator_increment
ppl_Pointset_Powerset_BD_Shape_int16_t_-
iterator_tag, 937
ppl_Pointset_Powerset_BD_Shape_int16_t_-
iterator_tag, 935
ppl_delete_Pointset_Powerset_BD_Shape_-
int16_t_iterator, 937
ppl_new_Pointset_Powerset_BD_Shape_-
int16_t_iterator, 936
ppl_Pointset_Powerset_BD_Shape_int16_t_-
iterator_begin, 936
ppl_Pointset_Powerset_BD_Shape_int16_t_-
iterator_decrement, 937
ppl_Pointset_Powerset_BD_Shape_int16_t_-
iterator_dereference, 937
ppl_Pointset_Powerset_BD_Shape_int16_t_-
iterator_end, 936

ppl_Pointset_Powerset_BD_Shape_int16_t_-
iterator_equal_test, 936
ppl_Pointset_Powerset_BD_Shape_int16_t_-
iterator_increment, 937
ppl_Pointset_Powerset_BD_Shape_int16_t_map_-
space_dimensions
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 950
ppl_Pointset_Powerset_BD_Shape_int16_t_-
maximize
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 944
ppl_Pointset_Powerset_BD_Shape_int16_t_-
maximize_with_point
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 944
ppl_Pointset_Powerset_BD_Shape_int16_t_-
minimize
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 944
ppl_Pointset_Powerset_BD_Shape_int16_t_-
minimize_with_point
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 944
ppl_Pointset_Powerset_BD_Shape_int16_t_OK
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 945
ppl_Pointset_Powerset_BD_Shape_int16_t_-
omega_reduce
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 944
ppl_Pointset_Powerset_BD_Shape_int16_t_-
pairwise_reduce
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 944
ppl_Pointset_Powerset_BD_Shape_int16_t_-
refine_with_congruence
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 946
ppl_Pointset_Powerset_BD_Shape_int16_t_-
refine_with_congruences
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 946
ppl_Pointset_Powerset_BD_Shape_int16_t_-
refine_with_constraint
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 946
ppl_Pointset_Powerset_BD_Shape_int16_t_-
refine_with_constraints
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 946
ppl_Pointset_Powerset_BD_Shape_int16_t_-
relation_with_Congruence
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 943
ppl_Pointset_Powerset_BD_Shape_int16_t_-
relation_with_Constraint
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 942
ppl_Pointset_Powerset_BD_Shape_int16_t_-
relation_with_Generator
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 943
ppl_Pointset_Powerset_BD_Shape_int16_t_-
remove_higher_space_dimensions
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 949
ppl_Pointset_Powerset_BD_Shape_int16_t_-
remove_space_dimensions
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 949
ppl_Pointset_Powerset_BD_Shape_int16_t_-
simplify_using_context_assign
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 947
ppl_Pointset_Powerset_BD_Shape_int16_t_size
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 950
ppl_Pointset_Powerset_BD_Shape_int16_t_-
space_dimension
ppl_Pointset_Powerset_BD_Shape_int16_t_-
tag, 942
ppl_Pointset_Powerset_BD_Shape_int16_t_tag,
937
ppl_delete_Pointset_Powerset_BD_Shape_-
int16_t, 941
ppl_io_asprint_Pointset_Powerset_BD_-
Shape_int16_t, 951
ppl_io_fprint_Pointset_Powerset_BD_-
Shape_int16_t, 951
ppl_io_print_Pointset_Powerset_BD_Shape_-
int16_t, 951
ppl_new_Pointset_Powerset_BD_Shape_-
int16_t_from_Congruence_System,
942
ppl_new_Pointset_Powerset_BD_Shape_-
int16_t_from_Constraint_System, 942
ppl_new_Pointset_Powerset_BD_Shape_-
int16_t_from_space_dimension, 941
ppl_Pointset_Powerset_BD_Shape_int16_t_-
add_congruence, 946
ppl_Pointset_Powerset_BD_Shape_int16_t_-
add_congruences, 946
ppl_Pointset_Powerset_BD_Shape_int16_t_-
add_constraint, 945
ppl_Pointset_Powerset_BD_Shape_int16_t_-
add_constraints, 946

ppl_Pointset_Powerset_BD_Shape_int16_t_-add_disjunct, 950
ppl_Pointset_Powerset_BD_Shape_int16_t_-affine_dimension, 942
ppl_Pointset_Powerset_BD_Shape_int16_t_-affine_image, 948
ppl_Pointset_Powerset_BD_Shape_int16_t_-affine_preimage, 948
ppl_Pointset_Powerset_BD_Shape_int16_t_-ascii_dump, 952
ppl_Pointset_Powerset_BD_Shape_int16_t_-ascii_load, 952
ppl_Pointset_Powerset_BD_Shape_int16_-t_BGP99_H79_extrapolation_assign, 951
ppl_Pointset_Powerset_BD_Shape_int16_t_-bounded_affine_image, 948
ppl_Pointset_Powerset_BD_Shape_int16_t_-bounded_affine_preimage, 948
ppl_Pointset_Powerset_BD_Shape_int16_t_-bounds_from_above, 944
ppl_Pointset_Powerset_BD_Shape_int16_t_-bounds_from_below, 944
ppl_Pointset_Powerset_BD_Shape_int16_t_-concatenate_assign, 947
ppl_Pointset_Powerset_BD_Shape_int16_t_-constrains, 947
ppl_Pointset_Powerset_BD_Shape_int16_t_-contains_integer_point, 943
ppl_Pointset_Powerset_BD_Shape_int16_t_-difference_assign, 947
ppl_Pointset_Powerset_BD_Shape_int16_t_-drop_disjunct, 950
ppl_Pointset_Powerset_BD_Shape_int16_t_-drop_disjuncts, 951
ppl_Pointset_Powerset_BD_Shape_int16_t_-expand_space_dimension, 949
ppl_Pointset_Powerset_BD_Shape_int16_t_-external_memory_in_bytes, 950
ppl_Pointset_Powerset_BD_Shape_int16_t_-fold_space_dimensions, 949
ppl_Pointset_Powerset_BD_Shape_int16_t_-generalized_affine_image, 948
ppl_Pointset_Powerset_BD_Shape_int16_t_-generalized_affine_preimage, 948
ppl_Pointset_Powerset_BD_Shape_int16_t_-intersection_assign, 946
ppl_Pointset_Powerset_BD_Shape_int16_t_-is_bounded, 943
ppl_Pointset_Powerset_BD_Shape_int16_t_-is_discrete, 943
ppl_Pointset_Powerset_BD_Shape_int16_t_-is_empty, 943
ppl_Pointset_Powerset_BD_Shape_int16_t_-is_topologically_closed, 943
ppl_Pointset_Powerset_BD_Shape_int16_t_-is_universe, 943
ppl_Pointset_Powerset_BD_Shape_int16_t_-map_space_dimensions, 950
ppl_Pointset_Powerset_BD_Shape_int16_t_-maximize, 944
ppl_Pointset_Powerset_BD_Shape_int16_t_-maximize_with_point, 944
ppl_Pointset_Powerset_BD_Shape_int16_t_-minimize, 944
ppl_Pointset_Powerset_BD_Shape_int16_t_-minimize_with_point, 944
ppl_Pointset_Powerset_BD_Shape_int16_t_-OK, 945
ppl_Pointset_Powerset_BD_Shape_int16_t_-omega_reduce, 944
ppl_Pointset_Powerset_BD_Shape_int16_t_-pairwise_reduce, 944
ppl_Pointset_Powerset_BD_Shape_int16_t_-refine_with_congruence, 946
ppl_Pointset_Powerset_BD_Shape_int16_t_-refine_with_congruences, 946
ppl_Pointset_Powerset_BD_Shape_int16_t_-refine_with_constraint, 946
ppl_Pointset_Powerset_BD_Shape_int16_t_-refine_with_constraints, 946
ppl_Pointset_Powerset_BD_Shape_int16_t_-relation_with_Congruence, 943
ppl_Pointset_Powerset_BD_Shape_int16_t_-relation_with_Constraint, 942
ppl_Pointset_Powerset_BD_Shape_int16_t_-relation_with_Generator, 943
ppl_Pointset_Powerset_BD_Shape_int16_-t_remove_higher_space_dimensions, 949
ppl_Pointset_Powerset_BD_Shape_int16_t_-remove_space_dimensions, 949
ppl_Pointset_Powerset_BD_Shape_int16_t_-simplify_using_context_assign, 947
ppl_Pointset_Powerset_BD_Shape_int16_t_-size, 950
ppl_Pointset_Powerset_BD_Shape_int16_t_-space_dimension, 942
ppl_Pointset_Powerset_BD_Shape_int16_t_-time_elapse_assign, 947
ppl_Pointset_Powerset_BD_Shape_int16_t_-topological_closure_assign, 943
ppl_Pointset_Powerset_BD_Shape_int16_t_-total_memory_in_bytes, 950
ppl_Pointset_Powerset_BD_Shape_int16_t_-unconstrain_space_dimension, 947
ppl_Pointset_Powerset_BD_Shape_int16_t_-unconstrain_space_dimensions, 948

ppl_Pointset_Powerset_BD_Shape_int16_t_-upper_bound_assign, 947
ppl_Pointset_Powerset_BD_Shape_int16_t_time_-elapse_assign
ppl_Pointset_Powerset_BD_Shape_int16_t_-tag, 947
ppl_Pointset_Powerset_BD_Shape_int16_t_-topological_closure_assign
ppl_Pointset_Powerset_BD_Shape_int16_t_-tag, 943
ppl_Pointset_Powerset_BD_Shape_int16_t_total_-memory_in_bytes
ppl_Pointset_Powerset_BD_Shape_int16_t_-tag, 950
ppl_Pointset_Powerset_BD_Shape_int16_t_-unconstrain_space_dimension
ppl_Pointset_Powerset_BD_Shape_int16_t_-tag, 947
ppl_Pointset_Powerset_BD_Shape_int16_t_-unconstrain_space_dimensions
ppl_Pointset_Powerset_BD_Shape_int16_t_-tag, 948
ppl_Pointset_Powerset_BD_Shape_int16_t_-upper_bound_assign
ppl_Pointset_Powerset_BD_Shape_int16_t_-tag, 947
ppl_Pointset_Powerset_BD_Shape_int16_t_-upper_bound_assign_if_exact
ppl_Pointset_Powerset_BD_Shape_int16_t_-tag, 947
ppl_Pointset_Powerset_BD_Shape_int32_t_add_-congruence
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 964
ppl_Pointset_Powerset_BD_Shape_int32_t_add_-congruences
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 964
ppl_Pointset_Powerset_BD_Shape_int32_t_add_-constraint
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 964
ppl_Pointset_Powerset_BD_Shape_int32_t_add_-constraints
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 964
ppl_Pointset_Powerset_BD_Shape_int32_t_add_-disjunct
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 969
ppl_Pointset_Powerset_BD_Shape_int32_t_add_-space_dimensions_and_embed
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 967
ppl_Pointset_Powerset_BD_Shape_int32_t_add_-space_dimensions_and_project
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 967
ppl_Pointset_Powerset_BD_Shape_int32_t_-affine_dimension
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 961
ppl_Pointset_Powerset_BD_Shape_int32_t_-affine_image
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 966
ppl_Pointset_Powerset_BD_Shape_int32_t_-affine_preimage
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 966
ppl_Pointset_Powerset_BD_Shape_int32_t_ascii_-dump
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 970
ppl_Pointset_Powerset_BD_Shape_int32_t_ascii_-load
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 970
ppl_Pointset_Powerset_BD_Shape_int32_t_-BGP99_BHMZ05_extrapolation_assign
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 969
ppl_Pointset_Powerset_BD_Shape_int32_t_-BGP99_H79_extrapolation_assign
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 970
ppl_Pointset_Powerset_BD_Shape_int32_t_-BHZ03_H79_BHMZ05_widening_-assign
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 969
ppl_Pointset_Powerset_BD_Shape_int32_t_-BHZ03_H79_H79_widening_assign
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 969
ppl_Pointset_Powerset_BD_Shape_int32_t_-bounded_affine_image
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 966
ppl_Pointset_Powerset_BD_Shape_int32_t_-bounded_affine_preimage
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 967
ppl_Pointset_Powerset_BD_Shape_int32_t_-bounds_from_above
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 962
ppl_Pointset_Powerset_BD_Shape_int32_t_-

bounds_from_below
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 962
ppl_Pointset_Powerset_BD_Shape_int32_t_-concatenate_assign
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 965
ppl_Pointset_Powerset_BD_Shape_int32_t_-const_iterator_begin
ppl_Pointset_Powerset_BD_Shape_int32_t_-const_iterator_tag, 953
ppl_Pointset_Powerset_BD_Shape_int32_t_-const_iterator_decrement
ppl_Pointset_Powerset_BD_Shape_int32_t_-const_iterator_tag, 953
ppl_Pointset_Powerset_BD_Shape_int32_t_-const_iterator_dereference
ppl_Pointset_Powerset_BD_Shape_int32_t_-const_iterator_tag, 953
ppl_Pointset_Powerset_BD_Shape_int32_t_-const_iterator_end
ppl_Pointset_Powerset_BD_Shape_int32_t_-const_iterator_tag, 953
ppl_Pointset_Powerset_BD_Shape_int32_t_-const_iterator_equal_test
ppl_Pointset_Powerset_BD_Shape_int32_t_-const_iterator_tag, 953
ppl_Pointset_Powerset_BD_Shape_int32_t_-const_iterator_increment
ppl_Pointset_Powerset_BD_Shape_int32_t_-const_iterator_tag, 953
ppl_Pointset_Powerset_BD_Shape_int32_t_-const_iterator_tag, 952
ppl_Pointset_Powerset_BD_Shape_int32_t_-constrains
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 966
ppl_Pointset_Powerset_BD_Shape_int32_t_-contains_integer_point
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 962
ppl_Pointset_Powerset_BD_Shape_int32_t_-difference_assign
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 965
ppl_Pointset_Powerset_BD_Shape_int32_t_drop_-disjunct
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 969
ppl_Pointset_Powerset_BD_Shape_int32_t_drop_-disjuncts
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 969
ppl_Pointset_Powerset_BD_Shape_int32_t_drop_-some_non_integer_points
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 968
ppl_Pointset_Powerset_BD_Shape_int32_t_drop_-some_non_integer_points_2
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 968
ppl_Pointset_Powerset_BD_Shape_int32_t_-equals_Pointset_Powerset_BD_Shape_-int32_t
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 964
ppl_Pointset_Powerset_BD_Shape_int32_t_-expand_space_dimension
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 968
ppl_Pointset_Powerset_BD_Shape_int32_t_-external_memory_in_bytes
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 968
ppl_Pointset_Powerset_BD_Shape_int32_t_fold_-space_dimensions
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 968
ppl_Pointset_Powerset_BD_Shape_int32_t_-generalized_affine_image
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 967
ppl_Pointset_Powerset_BD_Shape_int32_t_-generalized_affine_image_lhs_rhs
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 967
ppl_Pointset_Powerset_BD_Shape_int32_t_-generalized_affine_preimage
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 967
ppl_Pointset_Powerset_BD_Shape_int32_t_-generalized_affine_preimage_lhs_rhs
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 967
ppl_Pointset_Powerset_BD_Shape_int32_t_-intersection_assign
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 965
ppl_Pointset_Powerset_BD_Shape_int32_t_is_-bounded
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 962
ppl_Pointset_Powerset_BD_Shape_int32_t_is_-discrete
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 962
ppl_Pointset_Powerset_BD_Shape_int32_t_is_-

empty
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 961
ppl_Pointset_Powerset_BD_Shape_int32_t_is_-topologically_closed
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 962
ppl_Pointset_Powerset_BD_Shape_int32_t_is_-universe
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 961
ppl_Pointset_Powerset_BD_Shape_int32_t_-iterator_begin
ppl_Pointset_Powerset_BD_Shape_int32_t_-iterator_tag, 955
ppl_Pointset_Powerset_BD_Shape_int32_t_-iterator_decrement
ppl_Pointset_Powerset_BD_Shape_int32_t_-iterator_tag, 955
ppl_Pointset_Powerset_BD_Shape_int32_t_-iterator_dereference
ppl_Pointset_Powerset_BD_Shape_int32_t_-iterator_tag, 955
ppl_Pointset_Powerset_BD_Shape_int32_t_-iterator_end
ppl_Pointset_Powerset_BD_Shape_int32_t_-iterator_tag, 955
ppl_Pointset_Powerset_BD_Shape_int32_t_-iterator_equal_test
ppl_Pointset_Powerset_BD_Shape_int32_t_-iterator_tag, 955
ppl_Pointset_Powerset_BD_Shape_int32_t_-iterator_increment
ppl_Pointset_Powerset_BD_Shape_int32_t_-iterator_tag, 955
ppl_Pointset_Powerset_BD_Shape_int32_t_-iterator_tag, 954
ppl_delete_Pointset_Powerset_BD_Shape_-int32_t_iterator, 955
ppl_new_Pointset_Powerset_BD_Shape_-int32_t_iterator, 955
ppl_Pointset_Powerset_BD_Shape_int32_t_-iterator_begin, 955
ppl_Pointset_Powerset_BD_Shape_int32_t_-iterator_decrement, 955
ppl_Pointset_Powerset_BD_Shape_int32_t_-iterator_dereference, 955
ppl_Pointset_Powerset_BD_Shape_int32_t_-iterator_end, 955
ppl_Pointset_Powerset_BD_Shape_int32_t_-iterator_equal_test, 955
ppl_Pointset_Powerset_BD_Shape_int32_t_-iterator_increment, 955
ppl_Pointset_Powerset_BD_Shape_int32_t_map_-space_dimensions
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 968
ppl_Pointset_Powerset_BD_Shape_int32_t_-maximize
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 963
ppl_Pointset_Powerset_BD_Shape_int32_t_-maximize_with_point
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 963
ppl_Pointset_Powerset_BD_Shape_int32_t_-minimize
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 963
ppl_Pointset_Powerset_BD_Shape_int32_t_-minimize_with_point
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 963
ppl_Pointset_Powerset_BD_Shape_int32_t_OK
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 964
ppl_Pointset_Powerset_BD_Shape_int32_t_-omega_reduce
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 962
ppl_Pointset_Powerset_BD_Shape_int32_t_-pairwise_reduce
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 962
ppl_Pointset_Powerset_BD_Shape_int32_t_-refine_with_congruence
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 965
ppl_Pointset_Powerset_BD_Shape_int32_t_-refine_with_congruences
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 965
ppl_Pointset_Powerset_BD_Shape_int32_t_-refine_with_constraint
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 964
ppl_Pointset_Powerset_BD_Shape_int32_t_-refine_with_constraints
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 965
ppl_Pointset_Powerset_BD_Shape_int32_t_-relation_with_Congruence
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 961
ppl_Pointset_Powerset_BD_Shape_int32_t_-relation_with_Constraint

ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 961
ppl_Pointset_Powerset_BD_Shape_int32_t_-relation_with_Generator
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 961
ppl_Pointset_Powerset_BD_Shape_int32_t_-remove_higher_space_dimensions
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 968
ppl_Pointset_Powerset_BD_Shape_int32_t_-remove_space_dimensions
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 968
ppl_Pointset_Powerset_BD_Shape_int32_t_-simplify_using_context_assign
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 966
ppl_Pointset_Powerset_BD_Shape_int32_t_size
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 969
ppl_Pointset_Powerset_BD_Shape_int32_t_-space_dimension
ppl_Pointset_Powerset_BD_Shape_int32_t_-tag, 961
ppl_Pointset_Powerset_BD_Shape_int32_t_tag, 956
ppl_delete_Pointset_Powerset_BD_Shape_-int32_t, 960
ppl_io_asprint_Pointset_Powerset_BD_-Shape_int32_t, 970
ppl_io_fprint_Pointset_Powerset_BD_-Shape_int32_t, 970
ppl_io_print_Pointset_Powerset_BD_Shape_-int32_t, 970
ppl_new_Pointset_Powerset_BD_Shape_-int32_t_from_Congruence_System, 961
ppl_new_Pointset_Powerset_BD_Shape_-int32_t_from_Constraint_System, 960
ppl_new_Pointset_Powerset_BD_Shape_-int32_t_from_space_dimension, 960
ppl_Pointset_Powerset_BD_Shape_int32_t_-add_congruence, 964
ppl_Pointset_Powerset_BD_Shape_int32_t_-add_congruences, 964
ppl_Pointset_Powerset_BD_Shape_int32_t_-add_constraint, 964
ppl_Pointset_Powerset_BD_Shape_int32_t_-add_constraints, 964
ppl_Pointset_Powerset_BD_Shape_int32_t_-add_disjunct, 969
ppl_Pointset_Powerset_BD_Shape_int32_t_-affine_dimension, 961
ppl_Pointset_Powerset_BD_Shape_int32_t_-affine_image, 966
ppl_Pointset_Powerset_BD_Shape_int32_t_-affine_preimage, 966
ppl_Pointset_Powerset_BD_Shape_int32_t_-ascii_dump, 970
ppl_Pointset_Powerset_BD_Shape_int32_t_-ascii_load, 970
ppl_Pointset_Powerset_BD_Shape_int32_-t_BGP99_H79_extrapolation_assign, 970
ppl_Pointset_Powerset_BD_Shape_int32_t_-bounded_affine_image, 966
ppl_Pointset_Powerset_BD_Shape_int32_t_-bounded_affine_preimage, 967
ppl_Pointset_Powerset_BD_Shape_int32_t_-bounds_from_above, 962
ppl_Pointset_Powerset_BD_Shape_int32_t_-bounds_from_below, 962
ppl_Pointset_Powerset_BD_Shape_int32_t_-concatenate_assign, 965
ppl_Pointset_Powerset_BD_Shape_int32_t_-constrains, 966
ppl_Pointset_Powerset_BD_Shape_int32_t_-contains_integer_point, 962
ppl_Pointset_Powerset_BD_Shape_int32_t_-difference_assign, 965
ppl_Pointset_Powerset_BD_Shape_int32_t_-drop_disjunct, 969
ppl_Pointset_Powerset_BD_Shape_int32_t_-drop_disjuncts, 969
ppl_Pointset_Powerset_BD_Shape_int32_t_-expand_space_dimension, 968
ppl_Pointset_Powerset_BD_Shape_int32_t_-external_memory_in_bytes, 968
ppl_Pointset_Powerset_BD_Shape_int32_t_-fold_space_dimensions, 968
ppl_Pointset_Powerset_BD_Shape_int32_t_-generalized_affine_image, 967
ppl_Pointset_Powerset_BD_Shape_int32_t_-generalized_affine_preimage, 967
ppl_Pointset_Powerset_BD_Shape_int32_t_-intersection_assign, 965
ppl_Pointset_Powerset_BD_Shape_int32_t_-is_bounded, 962
ppl_Pointset_Powerset_BD_Shape_int32_t_-is_discrete, 962
ppl_Pointset_Powerset_BD_Shape_int32_t_-is_empty, 961
ppl_Pointset_Powerset_BD_Shape_int32_t_-is_topologically_closed, 962
ppl_Pointset_Powerset_BD_Shape_int32_t_-is_universe, 961
ppl_Pointset_Powerset_BD_Shape_int32_t_-

map_space_dimensions, 968
ppl_Pointset_Powerset_BD_Shape_int32_t_maximize, 963
ppl_Pointset_Powerset_BD_Shape_int32_t_maximize_with_point, 963
ppl_Pointset_Powerset_BD_Shape_int32_t_minimize, 963
ppl_Pointset_Powerset_BD_Shape_int32_t_minimize_with_point, 963
ppl_Pointset_Powerset_BD_Shape_int32_t_OK, 964
ppl_Pointset_Powerset_BD_Shape_int32_t_omega_reduce, 962
ppl_Pointset_Powerset_BD_Shape_int32_t_pairwise_reduce, 962
ppl_Pointset_Powerset_BD_Shape_int32_t_refine_with_congruence, 965
ppl_Pointset_Powerset_BD_Shape_int32_t_refine_with_congruences, 965
ppl_Pointset_Powerset_BD_Shape_int32_t_refine_with_constraint, 964
ppl_Pointset_Powerset_BD_Shape_int32_t_refine_with_constraints, 965
ppl_Pointset_Powerset_BD_Shape_int32_t_relation_with_Congruence, 961
ppl_Pointset_Powerset_BD_Shape_int32_t_relation_with_Constraint, 961
ppl_Pointset_Powerset_BD_Shape_int32_t_relation_with_Generator, 961
ppl_Pointset_Powerset_BD_Shape_int32_t_remove_higher_space_dimensions, 968
ppl_Pointset_Powerset_BD_Shape_int32_t_remove_space_dimensions, 968
ppl_Pointset_Powerset_BD_Shape_int32_t_simplify_using_context_assign, 966
ppl_Pointset_Powerset_BD_Shape_int32_t_size, 969
ppl_Pointset_Powerset_BD_Shape_int32_t_space_dimension, 961
ppl_Pointset_Powerset_BD_Shape_int32_t_time_elapse_assign, 965
ppl_Pointset_Powerset_BD_Shape_int32_t_topological_closure_assign, 962
ppl_Pointset_Powerset_BD_Shape_int32_t_total_memory_in_bytes, 969
ppl_Pointset_Powerset_BD_Shape_int32_t_unconstrain_space_dimension, 966
ppl_Pointset_Powerset_BD_Shape_int32_t_unconstrain_space_dimensions, 966
ppl_Pointset_Powerset_BD_Shape_int32_t_upper_bound_assign, 965
ppl_Pointset_Powerset_BD_Shape_int32_t_time_elapse_assign
ppl_Pointset_Powerset_BD_Shape_int32_t_tag, 965
ppl_Pointset_Powerset_BD_Shape_int32_t_topological_closure_assign
ppl_Pointset_Powerset_BD_Shape_int32_t_tag, 962
ppl_Pointset_Powerset_BD_Shape_int32_t_total_memory_in_bytes
ppl_Pointset_Powerset_BD_Shape_int32_t_tag, 969
ppl_Pointset_Powerset_BD_Shape_int32_t_unconstrain_space_dimension
ppl_Pointset_Powerset_BD_Shape_int32_t_tag, 966
ppl_Pointset_Powerset_BD_Shape_int32_t_unconstrain_space_dimensions
ppl_Pointset_Powerset_BD_Shape_int32_t_tag, 966
ppl_Pointset_Powerset_BD_Shape_int32_t_upper_bound_assign
ppl_Pointset_Powerset_BD_Shape_int32_t_tag, 965
ppl_Pointset_Powerset_BD_Shape_int32_t_upper_bound_assign_if_exact
ppl_Pointset_Powerset_BD_Shape_int32_t_tag, 966
ppl_Pointset_Powerset_BD_Shape_int64_t_add_congruence
ppl_Pointset_Powerset_BD_Shape_int64_t_tag, 983
ppl_Pointset_Powerset_BD_Shape_int64_t_add_congruences
ppl_Pointset_Powerset_BD_Shape_int64_t_tag, 983
ppl_Pointset_Powerset_BD_Shape_int64_t_add_constraint
ppl_Pointset_Powerset_BD_Shape_int64_t_tag, 982
ppl_Pointset_Powerset_BD_Shape_int64_t_add_constraints
ppl_Pointset_Powerset_BD_Shape_int64_t_tag, 983
ppl_Pointset_Powerset_BD_Shape_int64_t_add_disjunct
ppl_Pointset_Powerset_BD_Shape_int64_t_tag, 987
ppl_Pointset_Powerset_BD_Shape_int64_t_add_space_dimensions_and_embed
ppl_Pointset_Powerset_BD_Shape_int64_t_tag, 986
ppl_Pointset_Powerset_BD_Shape_int64_t_add_space_dimensions_and_project
ppl_Pointset_Powerset_BD_Shape_int64_t_tag, 986

ppl_Pointset_Powerset_BD_Shape_int64_t_-
affine_dimension
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 979
ppl_Pointset_Powerset_BD_Shape_int64_t_-
affine_image
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 985
ppl_Pointset_Powerset_BD_Shape_int64_t_-
affine_preimage
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 985
ppl_Pointset_Powerset_BD_Shape_int64_t_ascii_-
dump
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 989
ppl_Pointset_Powerset_BD_Shape_int64_t_ascii_-
load
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 989
ppl_Pointset_Powerset_BD_Shape_int64_t_-
BGP99_BHMZ05_extrapolation_assign
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 988
ppl_Pointset_Powerset_BD_Shape_int64_t_-
BGP99_H79_extrapolation_assign
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 988
ppl_Pointset_Powerset_BD_Shape_int64_t_-
BHZ03_H79_BHMZ05_widening_-
assign
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 988
ppl_Pointset_Powerset_BD_Shape_int64_t_-
BHZ03_H79_H79_widening_assign
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 988
ppl_Pointset_Powerset_BD_Shape_int64_t_-
bounded_affine_image
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 985
ppl_Pointset_Powerset_BD_Shape_int64_t_-
bounded_affine_preimage
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 985
ppl_Pointset_Powerset_BD_Shape_int64_t_-
bounds_from_above
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 981
ppl_Pointset_Powerset_BD_Shape_int64_t_-
bounds_from_below
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 981
ppl_Pointset_Powerset_BD_Shape_int64_t_-
concatenate_assign
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 984
ppl_Pointset_Powerset_BD_Shape_int64_t_-
const_iterator_begin
ppl_Pointset_Powerset_BD_Shape_int64_t_-
const_iterator_tag, 971
ppl_Pointset_Powerset_BD_Shape_int64_t_-
const_iterator_decrement
ppl_Pointset_Powerset_BD_Shape_int64_t_-
const_iterator_tag, 972
ppl_Pointset_Powerset_BD_Shape_int64_t_-
const_iterator_dereference
ppl_Pointset_Powerset_BD_Shape_int64_t_-
const_iterator_tag, 972
ppl_Pointset_Powerset_BD_Shape_int64_t_-
const_iterator_end
ppl_Pointset_Powerset_BD_Shape_int64_t_-
const_iterator_tag, 971
ppl_Pointset_Powerset_BD_Shape_int64_t_-
const_iterator_equal_test
ppl_Pointset_Powerset_BD_Shape_int64_t_-
const_iterator_tag, 972
ppl_Pointset_Powerset_BD_Shape_int64_t_-
const_iterator_increment
ppl_Pointset_Powerset_BD_Shape_int64_t_-
const_iterator_tag, 972
ppl_Pointset_Powerset_BD_Shape_int64_t_-
const_iterator_tag, 970
ppl_Pointset_Powerset_BD_Shape_int64_t_-
constrains
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 984
ppl_Pointset_Powerset_BD_Shape_int64_t_-
contains_integer_point
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 980
ppl_Pointset_Powerset_BD_Shape_int64_t_-
difference_assign
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 984
ppl_Pointset_Powerset_BD_Shape_int64_t_drop_-
disjunct
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 987
ppl_Pointset_Powerset_BD_Shape_int64_t_drop_-
disjuncts
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 988
ppl_Pointset_Powerset_BD_Shape_int64_t_drop_-
some_non_integer_points
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 987

ppl_Pointset_Powerset_BD_Shape_int64_t_drop_some_non_integer_points_2
ppl_Pointset_Powerset_BD_Shape_int64_t_tag, 987
ppl_Pointset_Powerset_BD_Shape_int64_t_equals_Pointset_Powerset_BD_Shape_int64_t
ppl_Pointset_Powerset_BD_Shape_int64_t_tag, 982
ppl_Pointset_Powerset_BD_Shape_int64_t_expand_space_dimension
ppl_Pointset_Powerset_BD_Shape_int64_t_tag, 986
ppl_Pointset_Powerset_BD_Shape_int64_t_external_memory_in_bytes
ppl_Pointset_Powerset_BD_Shape_int64_t_tag, 987
ppl_Pointset_Powerset_BD_Shape_int64_t_fold_space_dimensions
ppl_Pointset_Powerset_BD_Shape_int64_t_tag, 986
ppl_Pointset_Powerset_BD_Shape_int64_t_generalized_affine_image
ppl_Pointset_Powerset_BD_Shape_int64_t_tag, 985
ppl_Pointset_Powerset_BD_Shape_int64_t_generalized_affine_image_lhs_rhs
ppl_Pointset_Powerset_BD_Shape_int64_t_tag, 986
ppl_Pointset_Powerset_BD_Shape_int64_t_generalized_affine_preimage
ppl_Pointset_Powerset_BD_Shape_int64_t_tag, 985
ppl_Pointset_Powerset_BD_Shape_int64_t_generalized_affine_preimage_lhs_rhs
ppl_Pointset_Powerset_BD_Shape_int64_t_tag, 986
ppl_Pointset_Powerset_BD_Shape_int64_t_intersection_assign
ppl_Pointset_Powerset_BD_Shape_int64_t_tag, 983
ppl_Pointset_Powerset_BD_Shape_int64_t_is_bounded
ppl_Pointset_Powerset_BD_Shape_int64_t_tag, 980
ppl_Pointset_Powerset_BD_Shape_int64_t_is_discrete
ppl_Pointset_Powerset_BD_Shape_int64_t_tag, 980
ppl_Pointset_Powerset_BD_Shape_int64_t_is_empty
ppl_Pointset_Powerset_BD_Shape_int64_t_tag, 980
ppl_Pointset_Powerset_BD_Shape_int64_t_is_topologically_closed
ppl_Pointset_Powerset_BD_Shape_int64_t_tag, 980
ppl_Pointset_Powerset_BD_Shape_int64_t_is_universe
ppl_Pointset_Powerset_BD_Shape_int64_t_tag, 980
ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_begin
ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_tag, 973
ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_decrement
ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_tag, 974
ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_dereference
ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_tag, 974
ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_end
ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_tag, 973
ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_equal_test
ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_tag, 973
ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_increment
ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_tag, 974
ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_tag, 972
ppl_delete_Pointset_Powerset_BD_Shape_int64_t_iterator, 974
ppl_new_Pointset_Powerset_BD_Shape_int64_t_iterator, 973
ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_begin, 973
ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_decrement, 974
ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_dereference, 974
ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_end, 973
ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_equal_test, 973
ppl_Pointset_Powerset_BD_Shape_int64_t_iterator_increment, 974
ppl_Pointset_Powerset_BD_Shape_int64_t_map_space_dimensions
ppl_Pointset_Powerset_BD_Shape_int64_t_tag, 987

ppl_Pointset_Powerset_BD_Shape_int64_t_-
maximize
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 981
ppl_Pointset_Powerset_BD_Shape_int64_t_-
maximize_with_point
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 981
ppl_Pointset_Powerset_BD_Shape_int64_t_-
minimize
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 981
ppl_Pointset_Powerset_BD_Shape_int64_t_-
minimize_with_point
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 981
ppl_Pointset_Powerset_BD_Shape_int64_t_OK
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 982
ppl_Pointset_Powerset_BD_Shape_int64_t_-
omega_reduce
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 981
ppl_Pointset_Powerset_BD_Shape_int64_t_-
pairwise_reduce
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 981
ppl_Pointset_Powerset_BD_Shape_int64_t_-
refine_with_congruence
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 983
ppl_Pointset_Powerset_BD_Shape_int64_t_-
refine_with_congruences
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 983
ppl_Pointset_Powerset_BD_Shape_int64_t_-
refine_with_constraint
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 983
ppl_Pointset_Powerset_BD_Shape_int64_t_-
refine_with_constraints
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 983
ppl_Pointset_Powerset_BD_Shape_int64_t_-
relation_with_Congruence
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 980
ppl_Pointset_Powerset_BD_Shape_int64_t_-
relation_with_Constraint
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 979
ppl_Pointset_Powerset_BD_Shape_int64_t_-
relation_with_Generator
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 980
ppl_Pointset_Powerset_BD_Shape_int64_t_-
remove_higher_space_dimensions
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 986
ppl_Pointset_Powerset_BD_Shape_int64_t_-
remove_space_dimensions
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 986
ppl_Pointset_Powerset_BD_Shape_int64_t_-
simplify_using_context_assign
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 984
ppl_Pointset_Powerset_BD_Shape_int64_t_size
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 987
ppl_Pointset_Powerset_BD_Shape_int64_t_-
space_dimension
ppl_Pointset_Powerset_BD_Shape_int64_t_-
tag, 979
ppl_Pointset_Powerset_BD_Shape_int64_t_tag,
974
ppl_delete_Pointset_Powerset_BD_Shape_-
int64_t, 978
ppl_io_asprint_Pointset_Powerset_BD_-
Shape_int64_t, 988
ppl_io_fprint_Pointset_Powerset_BD_-
Shape_int64_t, 988
ppl_io_print_Pointset_Powerset_BD_Shape_-
int64_t, 988
ppl_new_Pointset_Powerset_BD_Shape_-
int64_t_from_Congruence_System,
979
ppl_new_Pointset_Powerset_BD_Shape_-
int64_t_from_Constraint_System, 979
ppl_new_Pointset_Powerset_BD_Shape_-
int64_t_from_space_dimension, 978
ppl_Pointset_Powerset_BD_Shape_int64_t_-
add_congruence, 983
ppl_Pointset_Powerset_BD_Shape_int64_t_-
add_congruences, 983
ppl_Pointset_Powerset_BD_Shape_int64_t_-
add_constraint, 982
ppl_Pointset_Powerset_BD_Shape_int64_t_-
add_constraints, 983
ppl_Pointset_Powerset_BD_Shape_int64_t_-
add_disjunct, 987
ppl_Pointset_Powerset_BD_Shape_int64_t_-
affine_dimension, 979
ppl_Pointset_Powerset_BD_Shape_int64_t_-
affine_image, 985
ppl_Pointset_Powerset_BD_Shape_int64_t_-
affine_preimage, 985

ppl_Pointset_Powerset_BD_Shape_int64_t_-ascii_dump, 989
ppl_Pointset_Powerset_BD_Shape_int64_t_-ascii_load, 989
ppl_Pointset_Powerset_BD_Shape_int64_-t_BGP99_H79_extrapolation_assign, 988
ppl_Pointset_Powerset_BD_Shape_int64_t_-bounded_affine_image, 985
ppl_Pointset_Powerset_BD_Shape_int64_t_-bounded_affine_preimage, 985
ppl_Pointset_Powerset_BD_Shape_int64_t_-bounds_from_above, 981
ppl_Pointset_Powerset_BD_Shape_int64_t_-bounds_from_below, 981
ppl_Pointset_Powerset_BD_Shape_int64_t_-concatenate_assign, 984
ppl_Pointset_Powerset_BD_Shape_int64_t_-constrains, 984
ppl_Pointset_Powerset_BD_Shape_int64_t_-contains_integer_point, 980
ppl_Pointset_Powerset_BD_Shape_int64_t_-difference_assign, 984
ppl_Pointset_Powerset_BD_Shape_int64_t_-drop_disjunct, 987
ppl_Pointset_Powerset_BD_Shape_int64_t_-drop_disjuncts, 988
ppl_Pointset_Powerset_BD_Shape_int64_t_-expand_space_dimension, 986
ppl_Pointset_Powerset_BD_Shape_int64_t_-external_memory_in_bytes, 987
ppl_Pointset_Powerset_BD_Shape_int64_t_-fold_space_dimensions, 986
ppl_Pointset_Powerset_BD_Shape_int64_t_-generalized_affine_image, 985
ppl_Pointset_Powerset_BD_Shape_int64_t_-generalized_affine_preimage, 985
ppl_Pointset_Powerset_BD_Shape_int64_t_-intersection_assign, 983
ppl_Pointset_Powerset_BD_Shape_int64_t_-is_bounded, 980
ppl_Pointset_Powerset_BD_Shape_int64_t_-is_discrete, 980
ppl_Pointset_Powerset_BD_Shape_int64_t_-is_empty, 980
ppl_Pointset_Powerset_BD_Shape_int64_t_-is_topologically_closed, 980
ppl_Pointset_Powerset_BD_Shape_int64_t_-is_universe, 980
ppl_Pointset_Powerset_BD_Shape_int64_t_-map_space_dimensions, 987
ppl_Pointset_Powerset_BD_Shape_int64_t_-maximize, 981
ppl_Pointset_Powerset_BD_Shape_int64_t_-maximize_with_point, 981
ppl_Pointset_Powerset_BD_Shape_int64_t_-minimize, 981
ppl_Pointset_Powerset_BD_Shape_int64_t_-minimize_with_point, 981
ppl_Pointset_Powerset_BD_Shape_int64_t_-OK, 982
ppl_Pointset_Powerset_BD_Shape_int64_t_-omega_reduce, 981
ppl_Pointset_Powerset_BD_Shape_int64_t_-pairwise_reduce, 981
ppl_Pointset_Powerset_BD_Shape_int64_t_-refine_with_congruence, 983
ppl_Pointset_Powerset_BD_Shape_int64_t_-refine_with_congruences, 983
ppl_Pointset_Powerset_BD_Shape_int64_t_-refine_with_constraint, 983
ppl_Pointset_Powerset_BD_Shape_int64_t_-refine_with_constraints, 983
ppl_Pointset_Powerset_BD_Shape_int64_t_-relation_with_Congruence, 980
ppl_Pointset_Powerset_BD_Shape_int64_t_-relation_with_Constraint, 979
ppl_Pointset_Powerset_BD_Shape_int64_t_-relation_with_Generator, 980
ppl_Pointset_Powerset_BD_Shape_int64_-t_remove_higher_space_dimensions, 986
ppl_Pointset_Powerset_BD_Shape_int64_t_-remove_space_dimensions, 986
ppl_Pointset_Powerset_BD_Shape_int64_t_-simplify_using_context_assign, 984
ppl_Pointset_Powerset_BD_Shape_int64_t_-size, 987
ppl_Pointset_Powerset_BD_Shape_int64_t_-space_dimension, 979
ppl_Pointset_Powerset_BD_Shape_int64_t_-time_elapse_assign, 984
ppl_Pointset_Powerset_BD_Shape_int64_t_-topological_closure_assign, 980
ppl_Pointset_Powerset_BD_Shape_int64_t_-total_memory_in_bytes, 987
ppl_Pointset_Powerset_BD_Shape_int64_t_-unconstrain_space_dimension, 984
ppl_Pointset_Powerset_BD_Shape_int64_t_-unconstrain_space_dimensions, 985
ppl_Pointset_Powerset_BD_Shape_int64_t_-upper_bound_assign, 984
ppl_Pointset_Powerset_BD_Shape_int64_t_time_-elapse_assign
ppl_Pointset_Powerset_BD_Shape_int64_t_-tag, 984
ppl_Pointset_Powerset_BD_Shape_int64_t_-topological_closure_assign

ppl_Pointset_Powerset_BD_Shape_int64_t_-tag, 980
ppl_Pointset_Powerset_BD_Shape_int64_t_total_-memory_in_bytes
ppl_Pointset_Powerset_BD_Shape_int64_t_-tag, 987
ppl_Pointset_Powerset_BD_Shape_int64_t_-unconstrain_space_dimension
ppl_Pointset_Powerset_BD_Shape_int64_t_-tag, 984
ppl_Pointset_Powerset_BD_Shape_int64_t_-unconstrain_space_dimensions
ppl_Pointset_Powerset_BD_Shape_int64_t_-tag, 985
ppl_Pointset_Powerset_BD_Shape_int64_t_-upper_bound_assign
ppl_Pointset_Powerset_BD_Shape_int64_t_-tag, 984
ppl_Pointset_Powerset_BD_Shape_int64_t_-upper_bound_assign_if_exact
ppl_Pointset_Powerset_BD_Shape_int64_t_-tag, 984
ppl_Pointset_Powerset_BD_Shape_int8_t_add_-congruence
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1001
ppl_Pointset_Powerset_BD_Shape_int8_t_add_-congruences
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1001
ppl_Pointset_Powerset_BD_Shape_int8_t_add_-constraint
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1001
ppl_Pointset_Powerset_BD_Shape_int8_t_add_-constraints
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1001
ppl_Pointset_Powerset_BD_Shape_int8_t_add_-disjunct
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1006
ppl_Pointset_Powerset_BD_Shape_int8_t_add_-space_dimensions_and_embed
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1004
ppl_Pointset_Powerset_BD_Shape_int8_t_add_-space_dimensions_and_project
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1004
ppl_Pointset_Powerset_BD_Shape_int8_t_affine_-dimension
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 998
ppl_Pointset_Powerset_BD_Shape_int8_t_affine_-image
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1003
ppl_Pointset_Powerset_BD_Shape_int8_t_affine_-preimage
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1003
ppl_Pointset_Powerset_BD_Shape_int8_t_ascii_-dump
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1007
ppl_Pointset_Powerset_BD_Shape_int8_t_ascii_-load
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1007
ppl_Pointset_Powerset_BD_Shape_int8_t_-BGP99_BHMZ05_extrapolation_assign
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1006
ppl_Pointset_Powerset_BD_Shape_int8_t_-BGP99_H79_extrapolation_assign
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1007
ppl_Pointset_Powerset_BD_Shape_int8_t_-BHZ03_H79_BHMZ05_widening_-assign
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1006
ppl_Pointset_Powerset_BD_Shape_int8_t_-BHZ03_H79_H79_widening_assign
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1006
ppl_Pointset_Powerset_BD_Shape_int8_t_-bounded_affine_image
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1003
ppl_Pointset_Powerset_BD_Shape_int8_t_-bounded_affine_preimage
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1004
ppl_Pointset_Powerset_BD_Shape_int8_t_-bounds_from_above
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 999
ppl_Pointset_Powerset_BD_Shape_int8_t_-bounds_from_below
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 999
ppl_Pointset_Powerset_BD_Shape_int8_t_-concatenate_assign
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1002
ppl_Pointset_Powerset_BD_Shape_int8_t_const_-

iterator_begin
ppl_Pointset_Powerset_BD_Shape_int8_t_-const_iterator_tag, 990
ppl_Pointset_Powerset_BD_Shape_int8_t_const_-iterator_decrement
ppl_Pointset_Powerset_BD_Shape_int8_t_-const_iterator_tag, 990
ppl_Pointset_Powerset_BD_Shape_int8_t_const_-iterator_dereference
ppl_Pointset_Powerset_BD_Shape_int8_t_-const_iterator_tag, 990
ppl_Pointset_Powerset_BD_Shape_int8_t_const_-iterator_end
ppl_Pointset_Powerset_BD_Shape_int8_t_-const_iterator_tag, 990
ppl_Pointset_Powerset_BD_Shape_int8_t_const_-iterator_equal_test
ppl_Pointset_Powerset_BD_Shape_int8_t_-const_iterator_tag, 990
ppl_Pointset_Powerset_BD_Shape_int8_t_const_-iterator_increment
ppl_Pointset_Powerset_BD_Shape_int8_t_-const_iterator_tag, 990
ppl_Pointset_Powerset_BD_Shape_int8_t_const_-iterator_tag, 989
ppl_Pointset_Powerset_BD_Shape_int8_t_-constrains
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1003
ppl_Pointset_Powerset_BD_Shape_int8_t_-contains_integer_point
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 999
ppl_Pointset_Powerset_BD_Shape_int8_t_-contains_Pointset_Powerset_BD_-Shape_int8_t
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1000
ppl_Pointset_Powerset_BD_Shape_int8_t_-difference_assign
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1002
ppl_Pointset_Powerset_BD_Shape_int8_t_drop_-disjunct
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1006
ppl_Pointset_Powerset_BD_Shape_int8_t_drop_-disjuncts
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1006
ppl_Pointset_Powerset_BD_Shape_int8_t_drop_-some_non_integer_points
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1005
ppl_Pointset_Powerset_BD_Shape_int8_t_drop_-some_non_integer_points_2
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1005
ppl_Pointset_Powerset_BD_Shape_int8_t_equals_-Pointset_Powerset_BD_Shape_int8_t
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1001
ppl_Pointset_Powerset_BD_Shape_int8_t_-expand_space_dimension
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1005
ppl_Pointset_Powerset_BD_Shape_int8_t_-external_memory_in_bytes
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1005
ppl_Pointset_Powerset_BD_Shape_int8_t_fold_-space_dimensions
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1005
ppl_Pointset_Powerset_BD_Shape_int8_t_-generalized_affine_image
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1004
ppl_Pointset_Powerset_BD_Shape_int8_t_-generalized_affine_image_lhs_rhs
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1004
ppl_Pointset_Powerset_BD_Shape_int8_t_-generalized_affine_preimage
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1004
ppl_Pointset_Powerset_BD_Shape_int8_t_-generalized_affine_preimage_lhs_rhs
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1004
ppl_Pointset_Powerset_BD_Shape_int8_t_-intersection_assign
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1002
ppl_Pointset_Powerset_BD_Shape_int8_t_is_-bounded
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 999
ppl_Pointset_Powerset_BD_Shape_int8_t_is_-discrete
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 999
ppl_Pointset_Powerset_BD_Shape_int8_t_is_-empty
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 998
ppl_Pointset_Powerset_BD_Shape_int8_t_is_-topologically_closed

ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 999
ppl_Pointset_Powerset_BD_Shape_int8_t_is_-universe
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 998
ppl_Pointset_Powerset_BD_Shape_int8_t_-iterator_begin
ppl_Pointset_Powerset_BD_Shape_int8_t_-iterator_tag, 992
ppl_Pointset_Powerset_BD_Shape_int8_t_-iterator_decrement
ppl_Pointset_Powerset_BD_Shape_int8_t_-iterator_tag, 992
ppl_Pointset_Powerset_BD_Shape_int8_t_-iterator_dereference
ppl_Pointset_Powerset_BD_Shape_int8_t_-iterator_tag, 992
ppl_Pointset_Powerset_BD_Shape_int8_t_-iterator_end
ppl_Pointset_Powerset_BD_Shape_int8_t_-iterator_tag, 992
ppl_Pointset_Powerset_BD_Shape_int8_t_-iterator_equal_test
ppl_Pointset_Powerset_BD_Shape_int8_t_-iterator_tag, 992
ppl_Pointset_Powerset_BD_Shape_int8_t_-iterator_increment
ppl_Pointset_Powerset_BD_Shape_int8_t_-iterator_tag, 992
ppl_Pointset_Powerset_BD_Shape_int8_t_-iterator_tag, 991
ppl_delete_Pointset_Powerset_BD_Shape_-int8_t_iterator, 992
ppl_new_Pointset_Powerset_BD_Shape_-int8_t_iterator, 992
ppl_Pointset_Powerset_BD_Shape_int8_t_-iterator_begin, 992
ppl_Pointset_Powerset_BD_Shape_int8_t_-iterator_decrement, 992
ppl_Pointset_Powerset_BD_Shape_int8_t_-iterator_dereference, 992
ppl_Pointset_Powerset_BD_Shape_int8_t_-iterator_end, 992
ppl_Pointset_Powerset_BD_Shape_int8_t_-iterator_equal_test, 992
ppl_Pointset_Powerset_BD_Shape_int8_t_-iterator_increment, 992
ppl_Pointset_Powerset_BD_Shape_int8_t_map_-space_dimensions
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1005
ppl_Pointset_Powerset_BD_Shape_int8_t_-maximize
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1000
ppl_Pointset_Powerset_BD_Shape_int8_t_-maximize_with_point
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1000
ppl_Pointset_Powerset_BD_Shape_int8_t_-minimize
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1000
ppl_Pointset_Powerset_BD_Shape_int8_t_-minimize_with_point
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1000
ppl_Pointset_Powerset_BD_Shape_int8_t_OK
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1001
ppl_Pointset_Powerset_BD_Shape_int8_t_-omega_reduce
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 999
ppl_Pointset_Powerset_BD_Shape_int8_t_-pairwise_reduce
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 999
ppl_Pointset_Powerset_BD_Shape_int8_t_refine_-with_congruence
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1002
ppl_Pointset_Powerset_BD_Shape_int8_t_refine_-with_congruences
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1002
ppl_Pointset_Powerset_BD_Shape_int8_t_refine_-with_constraint
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1001
ppl_Pointset_Powerset_BD_Shape_int8_t_refine_-with_constraints
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1002
ppl_Pointset_Powerset_BD_Shape_int8_t_-relation_with_Congruence
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 998
ppl_Pointset_Powerset_BD_Shape_int8_t_-relation_with_Constraint
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 998
ppl_Pointset_Powerset_BD_Shape_int8_t_-relation_with_Generator
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 998

ppl_Pointset_Powerset_BD_Shape_int8_t_-
remove_higher_space_dimensions
ppl_Pointset_Powerset_BD_Shape_int8_t_-
tag, 1005
ppl_Pointset_Powerset_BD_Shape_int8_t_-
remove_space_dimensions
ppl_Pointset_Powerset_BD_Shape_int8_t_-
tag, 1005
ppl_Pointset_Powerset_BD_Shape_int8_t_-
simplify_using_context_assign
ppl_Pointset_Powerset_BD_Shape_int8_t_-
tag, 1003
ppl_Pointset_Powerset_BD_Shape_int8_t_size
ppl_Pointset_Powerset_BD_Shape_int8_t_-
tag, 1006
ppl_Pointset_Powerset_BD_Shape_int8_t_space_-
dimension
ppl_Pointset_Powerset_BD_Shape_int8_t_-
tag, 998
ppl_Pointset_Powerset_BD_Shape_int8_t_tag, 993
ppl_delete_Pointset_Powerset_BD_Shape_-
int8_t, 997
ppl_io_asprint_Pointset_Powerset_BD_-
Shape_int8_t, 1007
ppl_io_fprint_Pointset_Powerset_BD_-
Shape_int8_t, 1007
ppl_io_print_Pointset_Powerset_BD_Shape_-
int8_t, 1007
ppl_new_Pointset_Powerset_BD_Shape_-
int8_t_from_Congruence_System, 998
ppl_new_Pointset_Powerset_BD_Shape_-
int8_t_from_Constraint_System, 997
ppl_new_Pointset_Powerset_BD_Shape_-
int8_t_from_space_dimension, 997
ppl_Pointset_Powerset_BD_Shape_int8_t_-
add_congruence, 1001
ppl_Pointset_Powerset_BD_Shape_int8_t_-
add_congruences, 1001
ppl_Pointset_Powerset_BD_Shape_int8_t_-
add_constraint, 1001
ppl_Pointset_Powerset_BD_Shape_int8_t_-
add_constraints, 1001
ppl_Pointset_Powerset_BD_Shape_int8_t_-
add_disjunct, 1006
ppl_Pointset_Powerset_BD_Shape_int8_t_-
affine_dimension, 998
ppl_Pointset_Powerset_BD_Shape_int8_t_-
affine_image, 1003
ppl_Pointset_Powerset_BD_Shape_int8_t_-
affine_preimage, 1003
ppl_Pointset_Powerset_BD_Shape_int8_t_-
ascii_dump, 1007
ppl_Pointset_Powerset_BD_Shape_int8_t_-
ascii_load, 1007
ppl_Pointset_Powerset_BD_Shape_int8_t_-
BGP99_BHMZ05_extrapolation_assign,
1006
ppl_Pointset_Powerset_BD_Shape_int8_-
t_BGP99_H79_extrapolation_assign,
1007
ppl_Pointset_Powerset_BD_Shape_int8_t_-
bounded_affine_image, 1003
ppl_Pointset_Powerset_BD_Shape_int8_t_-
bounded_affine_preimage, 1004
ppl_Pointset_Powerset_BD_Shape_int8_t_-
bounds_from_above, 999
ppl_Pointset_Powerset_BD_Shape_int8_t_-
bounds_from_below, 999
ppl_Pointset_Powerset_BD_Shape_int8_t_-
concatenate_assign, 1002
ppl_Pointset_Powerset_BD_Shape_int8_t_-
constrains, 1003
ppl_Pointset_Powerset_BD_Shape_int8_t_-
contains_integer_point, 999
ppl_Pointset_Powerset_BD_Shape_int8_t_-
difference_assign, 1002
ppl_Pointset_Powerset_BD_Shape_int8_t_-
drop_disjunct, 1006
ppl_Pointset_Powerset_BD_Shape_int8_t_-
drop_disjuncts, 1006
ppl_Pointset_Powerset_BD_Shape_int8_t_-
expand_space_dimension, 1005
ppl_Pointset_Powerset_BD_Shape_int8_t_-
external_memory_in_bytes, 1005
ppl_Pointset_Powerset_BD_Shape_int8_t_-
fold_space_dimensions, 1005
ppl_Pointset_Powerset_BD_Shape_int8_t_-
generalized_affine_image, 1004
ppl_Pointset_Powerset_BD_Shape_int8_t_-
generalized_affine_preimage, 1004
ppl_Pointset_Powerset_BD_Shape_int8_t_-
intersection_assign, 1002
ppl_Pointset_Powerset_BD_Shape_int8_t_-
is_bounded, 999
ppl_Pointset_Powerset_BD_Shape_int8_t_-
is_discrete, 999
ppl_Pointset_Powerset_BD_Shape_int8_t_-
is_empty, 998
ppl_Pointset_Powerset_BD_Shape_int8_t_-
is_topologically_closed, 999
ppl_Pointset_Powerset_BD_Shape_int8_t_-
is_universe, 998
ppl_Pointset_Powerset_BD_Shape_int8_t_-
map_space_dimensions, 1005
ppl_Pointset_Powerset_BD_Shape_int8_t_-
maximize, 1000
ppl_Pointset_Powerset_BD_Shape_int8_t_-
maximize_with_point, 1000

ppl_Pointset_Powerset_BD_Shape_int8_t_-minimize, 1000
ppl_Pointset_Powerset_BD_Shape_int8_t_-minimize_with_point, 1000
ppl_Pointset_Powerset_BD_Shape_int8_t_-OK, 1001
ppl_Pointset_Powerset_BD_Shape_int8_t_-omega_reduce, 999
ppl_Pointset_Powerset_BD_Shape_int8_t_-pairwise_reduce, 999
ppl_Pointset_Powerset_BD_Shape_int8_t_-refine_with_congruence, 1002
ppl_Pointset_Powerset_BD_Shape_int8_t_-refine_with_congruences, 1002
ppl_Pointset_Powerset_BD_Shape_int8_t_-refine_with_constraint, 1001
ppl_Pointset_Powerset_BD_Shape_int8_t_-refine_with_constraints, 1002
ppl_Pointset_Powerset_BD_Shape_int8_t_-relation_with_Congruence, 998
ppl_Pointset_Powerset_BD_Shape_int8_t_-relation_with_Constraint, 998
ppl_Pointset_Powerset_BD_Shape_int8_t_-relation_with_Generator, 998
ppl_Pointset_Powerset_BD_Shape_int8_-t_remove_higher_space_dimensions, 1005
ppl_Pointset_Powerset_BD_Shape_int8_t_-remove_space_dimensions, 1005
ppl_Pointset_Powerset_BD_Shape_int8_t_-simplify_using_context_assign, 1003
ppl_Pointset_Powerset_BD_Shape_int8_t_-size, 1006
ppl_Pointset_Powerset_BD_Shape_int8_t_-space_dimension, 998
ppl_Pointset_Powerset_BD_Shape_int8_t_-time_elapse_assign, 1002
ppl_Pointset_Powerset_BD_Shape_int8_t_-topological_closure_assign, 999
ppl_Pointset_Powerset_BD_Shape_int8_t_-total_memory_in_bytes, 1006
ppl_Pointset_Powerset_BD_Shape_int8_t_-unconstrain_space_dimension, 1003
ppl_Pointset_Powerset_BD_Shape_int8_t_-unconstrain_space_dimensions, 1003
ppl_Pointset_Powerset_BD_Shape_int8_t_-upper_bound_assign, 1002
ppl_Pointset_Powerset_BD_Shape_int8_t_time_-elapse_assign
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1002
ppl_Pointset_Powerset_BD_Shape_int8_t_-topological_closure_assign
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 999
ppl_Pointset_Powerset_BD_Shape_int8_t_total_-memory_in_bytes
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1006
ppl_Pointset_Powerset_BD_Shape_int8_t_-unconstrain_space_dimension
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1003
ppl_Pointset_Powerset_BD_Shape_int8_t_-unconstrain_space_dimensions
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1003
ppl_Pointset_Powerset_BD_Shape_int8_t_upper_-bound_assign
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1002
ppl_Pointset_Powerset_BD_Shape_int8_t_upper_-bound_assign_if_exact
ppl_Pointset_Powerset_BD_Shape_int8_t_-tag, 1003
ppl_Pointset_Powerset_BD_Shape_long_double_-add_congruence
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1020
ppl_Pointset_Powerset_BD_Shape_long_double_-add_congruences
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1020
ppl_Pointset_Powerset_BD_Shape_long_double_-add_constraint
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1020
ppl_Pointset_Powerset_BD_Shape_long_double_-add_constraints
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1020
ppl_Pointset_Powerset_BD_Shape_long_double_-add_disjunct
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1025
ppl_Pointset_Powerset_BD_Shape_long_double_-add_space_dimensions_and_embed
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1023
ppl_Pointset_Powerset_BD_Shape_long_double_-add_space_dimensions_and_project
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1023
ppl_Pointset_Powerset_BD_Shape_long_double_-affine_dimension
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1016

ppl_Pointset_Powerset_BD_Shape_long_double_-affine_image
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1022
ppl_Pointset_Powerset_BD_Shape_long_double_-affine_preimage
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1022
ppl_Pointset_Powerset_BD_Shape_long_double_-ascii_dump
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1026
ppl_Pointset_Powerset_BD_Shape_long_double_-ascii_load
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1026
ppl_Pointset_Powerset_BD_Shape_long_double_-BGP99_BHMZ05_extrapolation_assign
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1025
ppl_Pointset_Powerset_BD_Shape_long_double_-BGP99_H79_extrapolation_assign
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1025
ppl_Pointset_Powerset_BD_Shape_long_double_-BHZ03_H79_BHMZ05_widening_-assign
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1025
ppl_Pointset_Powerset_BD_Shape_long_double_-BHZ03_H79_H79_widening_assign
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1025
ppl_Pointset_Powerset_BD_Shape_long_double_-bounded_affine_image
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1022
ppl_Pointset_Powerset_BD_Shape_long_double_-bounded_affine_preimage
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1022
ppl_Pointset_Powerset_BD_Shape_long_double_-bounds_from_above
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1018
ppl_Pointset_Powerset_BD_Shape_long_double_-bounds_from_below
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1018
ppl_Pointset_Powerset_BD_Shape_long_double_-concatenate_assign
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1021
ppl_Pointset_Powerset_BD_Shape_long_double_-const_iterator_begin
ppl_Pointset_Powerset_BD_Shape_long_-double_const_iterator_tag, 1008
ppl_Pointset_Powerset_BD_Shape_long_double_-const_iterator_decrement
ppl_Pointset_Powerset_BD_Shape_long_-double_const_iterator_tag, 1009
ppl_Pointset_Powerset_BD_Shape_long_double_-const_iterator_dereference
ppl_Pointset_Powerset_BD_Shape_long_-double_const_iterator_tag, 1009
ppl_Pointset_Powerset_BD_Shape_long_double_-const_iterator_end
ppl_Pointset_Powerset_BD_Shape_long_-double_const_iterator_tag, 1008
ppl_Pointset_Powerset_BD_Shape_long_double_-const_iterator_equal_test
ppl_Pointset_Powerset_BD_Shape_long_-double_const_iterator_tag, 1009
ppl_Pointset_Powerset_BD_Shape_long_double_-const_iterator_increment
ppl_Pointset_Powerset_BD_Shape_long_-double_const_iterator_tag, 1009
ppl_Pointset_Powerset_BD_Shape_long_double_-const_iterator_tag, 1007
ppl_Pointset_Powerset_BD_Shape_long_double_-constrains
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1022
ppl_Pointset_Powerset_BD_Shape_long_double_-contains_integer_point
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1017
ppl_Pointset_Powerset_BD_Shape_long_double_-difference_assign
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1021
ppl_Pointset_Powerset_BD_Shape_long_double_-drop_disjunct
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1025
ppl_Pointset_Powerset_BD_Shape_long_double_-drop_disjuncts
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1025
ppl_Pointset_Powerset_BD_Shape_long_double_-drop_some_non_integer_points
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1024
ppl_Pointset_Powerset_BD_Shape_long_double_-drop_some_non_integer_points_2
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1024

ppl_Pointset_Powerset_BD_Shape_long_double_-expand_space_dimension
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1024
ppl_Pointset_Powerset_BD_Shape_long_double_-external_memory_in_bytes
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1024
ppl_Pointset_Powerset_BD_Shape_long_double_-fold_space_dimensions
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1024
ppl_Pointset_Powerset_BD_Shape_long_double_-generalized_affine_image
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1022
ppl_Pointset_Powerset_BD_Shape_long_double_-generalized_affine_image_lhs_rhs
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1023
ppl_Pointset_Powerset_BD_Shape_long_double_-generalized_affine_preimage
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1023
ppl_Pointset_Powerset_BD_Shape_long_double_-generalized_affine_preimage_lhs_rhs
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1023
ppl_Pointset_Powerset_BD_Shape_long_double_-intersection_assign
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1021
ppl_Pointset_Powerset_BD_Shape_long_double_-is_bounded
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1017
ppl_Pointset_Powerset_BD_Shape_long_double_-is_discrete
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1017
ppl_Pointset_Powerset_BD_Shape_long_double_-is_empty
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1017
ppl_Pointset_Powerset_BD_Shape_long_double_-is_topologically_closed
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1017
ppl_Pointset_Powerset_BD_Shape_long_double_-is_universe
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1017
ppl_Pointset_Powerset_BD_Shape_long_double_-iterator_begin
ppl_Pointset_Powerset_BD_Shape_long_-double_iterator_tag, 1010
ppl_Pointset_Powerset_BD_Shape_long_double_-iterator_decrement
ppl_Pointset_Powerset_BD_Shape_long_-double_iterator_tag, 1011
ppl_Pointset_Powerset_BD_Shape_long_double_-iterator_dereference
ppl_Pointset_Powerset_BD_Shape_long_-double_iterator_tag, 1011
ppl_Pointset_Powerset_BD_Shape_long_double_-iterator_end
ppl_Pointset_Powerset_BD_Shape_long_-double_iterator_tag, 1010
ppl_Pointset_Powerset_BD_Shape_long_double_-iterator_equal_test
ppl_Pointset_Powerset_BD_Shape_long_-double_iterator_tag, 1010
ppl_Pointset_Powerset_BD_Shape_long_double_-iterator_increment
ppl_Pointset_Powerset_BD_Shape_long_-double_iterator_tag, 1011
ppl_Pointset_Powerset_BD_Shape_long_double_-iterator_tag, 1009
ppl_delete_Pointset_Powerset_BD_Shape_-long_double_iterator, 1011
ppl_new_Pointset_Powerset_BD_Shape_-long_double_iterator, 1010
ppl_Pointset_Powerset_BD_Shape_long_-double_iterator_begin, 1010
ppl_Pointset_Powerset_BD_Shape_long_-double_iterator_decrement, 1011
ppl_Pointset_Powerset_BD_Shape_long_-double_iterator_dereference, 1011
ppl_Pointset_Powerset_BD_Shape_long_-double_iterator_end, 1010
ppl_Pointset_Powerset_BD_Shape_long_-double_iterator_increment, 1011
ppl_Pointset_Powerset_BD_Shape_long_double_-map_space_dimensions
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1024
ppl_Pointset_Powerset_BD_Shape_long_double_-maximize
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1018
ppl_Pointset_Powerset_BD_Shape_long_double_-maximize_with_point
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1018
ppl_Pointset_Powerset_BD_Shape_long_double_-minimize
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1018

ppl_Pointset_Powerset_BD_Shape_long_double_-minimize_with_point
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1019
ppl_Pointset_Powerset_BD_Shape_long_double_-OK
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1020
ppl_Pointset_Powerset_BD_Shape_long_double_-omega_reduce
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1018
ppl_Pointset_Powerset_BD_Shape_long_double_-pairwise_reduce
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1018
ppl_Pointset_Powerset_BD_Shape_long_double_-refine_with_congruence
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1020
ppl_Pointset_Powerset_BD_Shape_long_double_-refine_with_congruences
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1021
ppl_Pointset_Powerset_BD_Shape_long_double_-refine_with_constraint
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1020
ppl_Pointset_Powerset_BD_Shape_long_double_-refine_with_constraints
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1020
ppl_Pointset_Powerset_BD_Shape_long_double_-relation_with_Congruence
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1017
ppl_Pointset_Powerset_BD_Shape_long_double_-relation_with_Constraint
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1017
ppl_Pointset_Powerset_BD_Shape_long_double_-relation_with_Generator
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1017
ppl_Pointset_Powerset_BD_Shape_long_double_-remove_higher_space_dimensions
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1023
ppl_Pointset_Powerset_BD_Shape_long_double_-remove_space_dimensions
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1023
ppl_Pointset_Powerset_BD_Shape_long_double_-simplify_using_context_assign
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1021
ppl_Pointset_Powerset_BD_Shape_long_double_-size
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1024
ppl_Pointset_Powerset_BD_Shape_long_double_-space_dimension
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1016
ppl_Pointset_Powerset_BD_Shape_long_double_-tag, 1011
ppl_delete_Pointset_Powerset_BD_Shape_-long_double, 1015
ppl_io_asprint_Pointset_Powerset_BD_-Shape_long_double, 1026
ppl_io_fprint_Pointset_Powerset_BD_-Shape_long_double, 1026
ppl_io_print_Pointset_Powerset_BD_Shape_-long_double, 1025
ppl_Pointset_Powerset_BD_Shape_long_-double_add_congruence, 1020
ppl_Pointset_Powerset_BD_Shape_long_-double_add_congruences, 1020
ppl_Pointset_Powerset_BD_Shape_long_-double_add_constraint, 1020
ppl_Pointset_Powerset_BD_Shape_long_-double_add_constraints, 1020
ppl_Pointset_Powerset_BD_Shape_long_-double_add_disjunct, 1025
ppl_Pointset_Powerset_BD_Shape_long_-double_affine_dimension, 1016
ppl_Pointset_Powerset_BD_Shape_long_-double_affine_image, 1022
ppl_Pointset_Powerset_BD_Shape_long_-double_affine_preimage, 1022
ppl_Pointset_Powerset_BD_Shape_long_-double_ascii_dump, 1026
ppl_Pointset_Powerset_BD_Shape_long_-double_ascii_load, 1026
ppl_Pointset_Powerset_BD_Shape_long_-double_bounded_affine_image, 1022
ppl_Pointset_Powerset_BD_Shape_long_-double_bounded_affine_preimage, 1022
ppl_Pointset_Powerset_BD_Shape_long_-double_bounds_from_above, 1018
ppl_Pointset_Powerset_BD_Shape_long_-double_bounds_from_below, 1018
ppl_Pointset_Powerset_BD_Shape_long_-double_concatenate_assign, 1021
ppl_Pointset_Powerset_BD_Shape_long_-double_constrains, 1022
ppl_Pointset_Powerset_BD_Shape_long_-double_contains_integer_point, 1017

ppl_Pointset_Powerset_BD_Shape_long_-double_difference_assign, 1021
ppl_Pointset_Powerset_BD_Shape_long_-double_drop_disjunct, 1025
ppl_Pointset_Powerset_BD_Shape_long_-double_drop_disjuncts, 1025
ppl_Pointset_Powerset_BD_Shape_long_-double_expand_space_dimension, 1024
ppl_Pointset_Powerset_BD_Shape_long_-double_fold_space_dimensions, 1024
ppl_Pointset_Powerset_BD_Shape_long_-double_generalized_affine_image, 1022
ppl_Pointset_Powerset_BD_Shape_long_-double_generalized_affine_preimage, 1023
ppl_Pointset_Powerset_BD_Shape_long_-double_intersection_assign, 1021
ppl_Pointset_Powerset_BD_Shape_long_-double_is_bounded, 1017
ppl_Pointset_Powerset_BD_Shape_long_-double_is_discrete, 1017
ppl_Pointset_Powerset_BD_Shape_long_-double_is_empty, 1017
ppl_Pointset_Powerset_BD_Shape_long_-double_is_topologically_closed, 1017
ppl_Pointset_Powerset_BD_Shape_long_-double_is_universe, 1017
ppl_Pointset_Powerset_BD_Shape_long_-double_map_space_dimensions, 1024
ppl_Pointset_Powerset_BD_Shape_long_-double_maximize, 1018
ppl_Pointset_Powerset_BD_Shape_long_-double_maximize_with_point, 1018
ppl_Pointset_Powerset_BD_Shape_long_-double_minimize, 1018
ppl_Pointset_Powerset_BD_Shape_long_-double_minimize_with_point, 1019
ppl_Pointset_Powerset_BD_Shape_long_-double_OK, 1020
ppl_Pointset_Powerset_BD_Shape_long_-double_omega_reduce, 1018
ppl_Pointset_Powerset_BD_Shape_long_-double_pairwise_reduce, 1018
ppl_Pointset_Powerset_BD_Shape_long_-double_refine_with_congruence, 1020
ppl_Pointset_Powerset_BD_Shape_long_-double_refine_with_congruences, 1021
ppl_Pointset_Powerset_BD_Shape_long_-double_refine_with_constraint, 1020
ppl_Pointset_Powerset_BD_Shape_long_-double_refine_with_constraints, 1020
ppl_Pointset_Powerset_BD_Shape_long_-double_relation_with_Congruence, 1017
ppl_Pointset_Powerset_BD_Shape_long_-double_relation_with_Constraint, 1017
ppl_Pointset_Powerset_BD_Shape_long_-double_relation_with_Generator, 1017
ppl_Pointset_Powerset_BD_Shape_long_-double_remove_space_dimensions, 1023
ppl_Pointset_Powerset_BD_Shape_long_-double_size, 1024
ppl_Pointset_Powerset_BD_Shape_long_-double_space_dimension, 1016
ppl_Pointset_Powerset_BD_Shape_long_-double_time_elapse_assign, 1021
ppl_Pointset_Powerset_BD_Shape_long_-double_topological_closure_assign, 1018
ppl_Pointset_Powerset_BD_Shape_long_-double_total_memory_in_bytes, 1024
ppl_Pointset_Powerset_BD_Shape_long_-double_unconstrain_space_dimension, 1022
ppl_Pointset_Powerset_BD_Shape_long_-double_unconstrain_space_dimensions, 1022
ppl_Pointset_Powerset_BD_Shape_long_-double_upper_bound_assign, 1021
ppl_Pointset_Powerset_BD_Shape_long_double_-time_elapse_assign
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1021
ppl_Pointset_Powerset_BD_Shape_long_double_-topological_closure_assign
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1018
ppl_Pointset_Powerset_BD_Shape_long_double_-total_memory_in_bytes
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1024
ppl_Pointset_Powerset_BD_Shape_long_double_-unconstrain_space_dimension
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1022
ppl_Pointset_Powerset_BD_Shape_long_double_-unconstrain_space_dimensions
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1022
ppl_Pointset_Powerset_BD_Shape_long_double_-upper_bound_assign
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1021
ppl_Pointset_Powerset_BD_Shape_long_double_-upper_bound_assign_if_exact
ppl_Pointset_Powerset_BD_Shape_long_-double_tag, 1021
ppl_Pointset_Powerset_BD_Shape_mpq_class_-

add_congruence
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1039
ppl_Pointset_Powerset_BD_Shape_mpq_class_-add_congruences
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1039
ppl_Pointset_Powerset_BD_Shape_mpq_class_-add_constraint
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1038
ppl_Pointset_Powerset_BD_Shape_mpq_class_-add_constraints
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1039
ppl_Pointset_Powerset_BD_Shape_mpq_class_-add_disjunct
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1043
ppl_Pointset_Powerset_BD_Shape_mpq_class_-add_space_dimensions_and_embed
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1042
ppl_Pointset_Powerset_BD_Shape_mpq_class_-add_space_dimensions_and_project
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1042
ppl_Pointset_Powerset_BD_Shape_mpq_class_-affine_dimension
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1035
ppl_Pointset_Powerset_BD_Shape_mpq_class_-affine_image
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1041
ppl_Pointset_Powerset_BD_Shape_mpq_class_-affine_preimage
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1041
ppl_Pointset_Powerset_BD_Shape_mpq_class_-ascii_dump
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1045
ppl_Pointset_Powerset_BD_Shape_mpq_class_-ascii_load
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1045
ppl_Pointset_Powerset_BD_Shape_mpq_class_-BGP99_BHMZ05_extrapolation_assign
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1044
ppl_Pointset_Powerset_BD_Shape_mpq_class_-BGP99_H79_extrapolation_assign
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1044
ppl_Pointset_Powerset_BD_Shape_mpq_class_-BHZ03_H79_BHMZ05_widening_-assign
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1044
ppl_Pointset_Powerset_BD_Shape_mpq_class_-BHZ03_H79_H79_widening_assign
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1044
ppl_Pointset_Powerset_BD_Shape_mpq_class_-bounded_affine_image
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1041
ppl_Pointset_Powerset_BD_Shape_mpq_class_-bounded_affine_preimage
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1041
ppl_Pointset_Powerset_BD_Shape_mpq_class_-bounds_from_above
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1037
ppl_Pointset_Powerset_BD_Shape_mpq_class_-bounds_from_below
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1037
ppl_Pointset_Powerset_BD_Shape_mpq_class_-concatenate_assign
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1040
ppl_Pointset_Powerset_BD_Shape_mpq_class_-const_iterator_begin
ppl_Pointset_Powerset_BD_Shape_mpq_-class_const_iterator_tag, 1027
ppl_Pointset_Powerset_BD_Shape_mpq_class_-const_iterator_decrement
ppl_Pointset_Powerset_BD_Shape_mpq_-class_const_iterator_tag, 1028
ppl_Pointset_Powerset_BD_Shape_mpq_class_-const_iterator_dereference
ppl_Pointset_Powerset_BD_Shape_mpq_-class_const_iterator_tag, 1028
ppl_Pointset_Powerset_BD_Shape_mpq_class_-const_iterator_end
ppl_Pointset_Powerset_BD_Shape_mpq_-class_const_iterator_tag, 1027
ppl_Pointset_Powerset_BD_Shape_mpq_class_-const_iterator_equal_test
ppl_Pointset_Powerset_BD_Shape_mpq_-class_const_iterator_tag, 1027
ppl_Pointset_Powerset_BD_Shape_mpq_class_-const_iterator_increment
ppl_Pointset_Powerset_BD_Shape_mpq_-

class_const_iterator_tag, 1028
ppl_Pointset_Powerset_BD_Shape_mpq_class_-const_iterator_tag, 1026
ppl_Pointset_Powerset_BD_Shape_mpq_class_-constrains
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1040
ppl_Pointset_Powerset_BD_Shape_mpq_class_-contains_integer_point
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1036
ppl_Pointset_Powerset_BD_Shape_mpq_class_-difference_assign
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1040
ppl_Pointset_Powerset_BD_Shape_mpq_class_-drop_disjunct
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1044
ppl_Pointset_Powerset_BD_Shape_mpq_class_-drop_disjuncts
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1044
ppl_Pointset_Powerset_BD_Shape_mpq_class_-drop_some_non_integer_points
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1043
ppl_Pointset_Powerset_BD_Shape_mpq_class_-drop_some_non_integer_points_2
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1043
ppl_Pointset_Powerset_BD_Shape_mpq_class_-expand_space_dimension
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1042
ppl_Pointset_Powerset_BD_Shape_mpq_class_-external_memory_in_bytes
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1043
ppl_Pointset_Powerset_BD_Shape_mpq_class_-fold_space_dimensions
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1043
ppl_Pointset_Powerset_BD_Shape_mpq_class_-generalized_affine_image
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1041
ppl_Pointset_Powerset_BD_Shape_mpq_class_-generalized_affine_image_lhs_rhs
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1042
ppl_Pointset_Powerset_BD_Shape_mpq_class_-generalized_affine_preimage
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1041
ppl_Pointset_Powerset_BD_Shape_mpq_class_-generalized_affine_preimage_lhs_rhs
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1042
ppl_Pointset_Powerset_BD_Shape_mpq_class_-intersection_assign
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1039
ppl_Pointset_Powerset_BD_Shape_mpq_class_is_-bounded
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1036
ppl_Pointset_Powerset_BD_Shape_mpq_class_is_-discrete
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1036
ppl_Pointset_Powerset_BD_Shape_mpq_class_is_-empty
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1036
ppl_Pointset_Powerset_BD_Shape_mpq_class_is_-topologically_closed
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1036
ppl_Pointset_Powerset_BD_Shape_mpq_class_is_-universe
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1036
ppl_Pointset_Powerset_BD_Shape_mpq_class_-iterator_begin
ppl_Pointset_Powerset_BD_Shape_mpq_-class_iterator_tag, 1029
ppl_Pointset_Powerset_BD_Shape_mpq_class_-iterator_decrement
ppl_Pointset_Powerset_BD_Shape_mpq_-class_iterator_tag, 1030
ppl_Pointset_Powerset_BD_Shape_mpq_class_-iterator_dereference
ppl_Pointset_Powerset_BD_Shape_mpq_-class_iterator_tag, 1030
ppl_Pointset_Powerset_BD_Shape_mpq_class_-iterator_end
ppl_Pointset_Powerset_BD_Shape_mpq_-class_iterator_tag, 1029
ppl_Pointset_Powerset_BD_Shape_mpq_class_-iterator_equal_test
ppl_Pointset_Powerset_BD_Shape_mpq_-class_iterator_tag, 1029
ppl_Pointset_Powerset_BD_Shape_mpq_class_-iterator_increment
ppl_Pointset_Powerset_BD_Shape_mpq_-class_iterator_tag, 1029

ppl_Pointset_Powerset_BD_Shape_mpq_class_-
iterator_tag, 1028
ppl_delete_Pointset_Powerset_BD_Shape_-
mpq_class_iterator, 1030
ppl_new_Pointset_Powerset_BD_Shape_-
mpq_class_iterator, 1029
ppl_Pointset_Powerset_BD_Shape_mpq_-
class_iterator_begin, 1029
ppl_Pointset_Powerset_BD_Shape_mpq_-
class_iterator_decrement, 1030
ppl_Pointset_Powerset_BD_Shape_mpq_-
class_iterator_dereference, 1030
ppl_Pointset_Powerset_BD_Shape_mpq_-
class_iterator_end, 1029
ppl_Pointset_Powerset_BD_Shape_mpq_-
class_iterator_increment, 1029
ppl_Pointset_Powerset_BD_Shape_mpq_class_-
map_space_dimensions
ppl_Pointset_Powerset_BD_Shape_mpq_-
class_tag, 1043
ppl_Pointset_Powerset_BD_Shape_mpq_class_-
maximize
ppl_Pointset_Powerset_BD_Shape_mpq_-
class_tag, 1037
ppl_Pointset_Powerset_BD_Shape_mpq_class_-
maximize_with_point
ppl_Pointset_Powerset_BD_Shape_mpq_-
class_tag, 1037
ppl_Pointset_Powerset_BD_Shape_mpq_class_-
minimize
ppl_Pointset_Powerset_BD_Shape_mpq_-
class_tag, 1037
ppl_Pointset_Powerset_BD_Shape_mpq_class_-
minimize_with_point
ppl_Pointset_Powerset_BD_Shape_mpq_-
class_tag, 1037
ppl_Pointset_Powerset_BD_Shape_mpq_class_OK
ppl_Pointset_Powerset_BD_Shape_mpq_-
class_tag, 1038
ppl_Pointset_Powerset_BD_Shape_mpq_class_-
omega_reduce
ppl_Pointset_Powerset_BD_Shape_mpq_-
class_tag, 1037
ppl_Pointset_Powerset_BD_Shape_mpq_class_-
pairwise_reduce
ppl_Pointset_Powerset_BD_Shape_mpq_-
class_tag, 1037
ppl_Pointset_Powerset_BD_Shape_mpq_class_-
refine_with_congruence
ppl_Pointset_Powerset_BD_Shape_mpq_-
class_tag, 1039
ppl_Pointset_Powerset_BD_Shape_mpq_class_-
refine_with_congruences
ppl_Pointset_Powerset_BD_Shape_mpq_-
class_tag, 1039
ppl_Pointset_Powerset_BD_Shape_mpq_class_-
refine_with_constraint
ppl_Pointset_Powerset_BD_Shape_mpq_-
class_tag, 1039
ppl_Pointset_Powerset_BD_Shape_mpq_class_-
refine_with_constraints
ppl_Pointset_Powerset_BD_Shape_mpq_-
class_tag, 1039
ppl_Pointset_Powerset_BD_Shape_mpq_class_-
relation_with_Congruence
ppl_Pointset_Powerset_BD_Shape_mpq_-
class_tag, 1036
ppl_Pointset_Powerset_BD_Shape_mpq_class_-
relation_with_Constraint
ppl_Pointset_Powerset_BD_Shape_mpq_-
class_tag, 1035
ppl_Pointset_Powerset_BD_Shape_mpq_class_-
relation_with_Generator
ppl_Pointset_Powerset_BD_Shape_mpq_-
class_tag, 1036
ppl_Pointset_Powerset_BD_Shape_mpq_class_-
remove_higher_space_dimensions
ppl_Pointset_Powerset_BD_Shape_mpq_-
class_tag, 1042
ppl_Pointset_Powerset_BD_Shape_mpq_class_-
remove_space_dimensions
ppl_Pointset_Powerset_BD_Shape_mpq_-
class_tag, 1042
ppl_Pointset_Powerset_BD_Shape_mpq_class_-
simplify_using_context_assign
ppl_Pointset_Powerset_BD_Shape_mpq_-
class_tag, 1040
ppl_Pointset_Powerset_BD_Shape_mpq_class_-
size
ppl_Pointset_Powerset_BD_Shape_mpq_-
class_tag, 1043
ppl_Pointset_Powerset_BD_Shape_mpq_class_-
space_dimension
ppl_Pointset_Powerset_BD_Shape_mpq_-
class_tag, 1035
ppl_Pointset_Powerset_BD_Shape_mpq_class_tag,
1030
ppl_delete_Pointset_Powerset_BD_Shape_-
mpq_class, 1034
ppl_io_asprint_Pointset_Powerset_BD_-
Shape_mpq_class, 1045
ppl_io_fprint_Pointset_Powerset_BD_-
Shape_mpq_class, 1044
ppl_io_print_Pointset_Powerset_BD_Shape_-
mpq_class, 1044
ppl_new_Pointset_Powerset_BD_Shape_-
mpq_class_from_Congruence_System,

1035
ppl_new_Pointset_Powerset_BD_Shape_-mpq_class_from_Constraint_System, 1035
ppl_new_Pointset_Powerset_BD_Shape_-mpq_class_from_space_dimension, 1034
ppl_Pointset_Powerset_BD_Shape_mpq_-class_add_congruence, 1039
ppl_Pointset_Powerset_BD_Shape_mpq_-class_add_congruences, 1039
ppl_Pointset_Powerset_BD_Shape_mpq_-class_add_constraint, 1038
ppl_Pointset_Powerset_BD_Shape_mpq_-class_add_constraints, 1039
ppl_Pointset_Powerset_BD_Shape_mpq_-class_add_disjunct, 1043
ppl_Pointset_Powerset_BD_Shape_mpq_-class_affine_dimension, 1035
ppl_Pointset_Powerset_BD_Shape_mpq_-class_affine_image, 1041
ppl_Pointset_Powerset_BD_Shape_mpq_-class_affine_preimage, 1041
ppl_Pointset_Powerset_BD_Shape_mpq_-class_ascii_dump, 1045
ppl_Pointset_Powerset_BD_Shape_mpq_-class_ascii_load, 1045
ppl_Pointset_Powerset_BD_Shape_mpq_-class_bounded_affine_image, 1041
ppl_Pointset_Powerset_BD_Shape_mpq_-class_bounded_affine_preimage, 1041
ppl_Pointset_Powerset_BD_Shape_mpq_-class_bounds_from_above, 1037
ppl_Pointset_Powerset_BD_Shape_mpq_-class_bounds_from_below, 1037
ppl_Pointset_Powerset_BD_Shape_mpq_-class_concatenate_assign, 1040
ppl_Pointset_Powerset_BD_Shape_mpq_-class_constrains, 1040
ppl_Pointset_Powerset_BD_Shape_mpq_-class_contains_integer_point, 1036
ppl_Pointset_Powerset_BD_Shape_mpq_-class_difference_assign, 1040
ppl_Pointset_Powerset_BD_Shape_mpq_-class_drop_disjunct, 1044
ppl_Pointset_Powerset_BD_Shape_mpq_-class_drop_disjuncts, 1044
ppl_Pointset_Powerset_BD_Shape_mpq_-class_expand_space_dimension, 1042
ppl_Pointset_Powerset_BD_Shape_mpq_-class_external_memory_in_bytes, 1043
ppl_Pointset_Powerset_BD_Shape_mpq_-class_fold_space_dimensions, 1043
ppl_Pointset_Powerset_BD_Shape_mpq_-class_generalized_affine_image, 1041
ppl_Pointset_Powerset_BD_Shape_mpq_-class_generalized_affine_preimage, 1041
ppl_Pointset_Powerset_BD_Shape_mpq_-class_intersection_assign, 1039
ppl_Pointset_Powerset_BD_Shape_mpq_-class_is_bounded, 1036
ppl_Pointset_Powerset_BD_Shape_mpq_-class_is_discrete, 1036
ppl_Pointset_Powerset_BD_Shape_mpq_-class_is_empty, 1036
ppl_Pointset_Powerset_BD_Shape_mpq_-class_is_topologically_closed, 1036
ppl_Pointset_Powerset_BD_Shape_mpq_-class_is_universe, 1036
ppl_Pointset_Powerset_BD_Shape_mpq_-class_map_space_dimensions, 1043
ppl_Pointset_Powerset_BD_Shape_mpq_-class_maximize, 1037
ppl_Pointset_Powerset_BD_Shape_mpq_-class_maximize_with_point, 1037
ppl_Pointset_Powerset_BD_Shape_mpq_-class_minimize, 1037
ppl_Pointset_Powerset_BD_Shape_mpq_-class_minimize_with_point, 1037
ppl_Pointset_Powerset_BD_Shape_mpq_-class_OK, 1038
ppl_Pointset_Powerset_BD_Shape_mpq_-class_omega_reduce, 1037
ppl_Pointset_Powerset_BD_Shape_mpq_-class_pairwise_reduce, 1037
ppl_Pointset_Powerset_BD_Shape_mpq_-class_refine_with_congruence, 1039
ppl_Pointset_Powerset_BD_Shape_mpq_-class_refine_with_congruences, 1039
ppl_Pointset_Powerset_BD_Shape_mpq_-class_refine_with_constraint, 1039
ppl_Pointset_Powerset_BD_Shape_mpq_-class_refine_with_constraints, 1039
ppl_Pointset_Powerset_BD_Shape_mpq_-class_relation_with_Congruence, 1036
ppl_Pointset_Powerset_BD_Shape_mpq_-class_relation_with_Constraint, 1035
ppl_Pointset_Powerset_BD_Shape_mpq_-class_relation_with_Generator, 1036
ppl_Pointset_Powerset_BD_Shape_mpq_-class_remove_space_dimensions, 1042
ppl_Pointset_Powerset_BD_Shape_mpq_-class_size, 1043
ppl_Pointset_Powerset_BD_Shape_mpq_-class_space_dimension, 1035
ppl_Pointset_Powerset_BD_Shape_mpq_-class_time_elapse_assign, 1040

ppl_Pointset_Powerset_BD_Shape_mpq_-class_topological_closure_assign, 1036
ppl_Pointset_Powerset_BD_Shape_mpq_-class_total_memory_in_bytes, 1043
ppl_Pointset_Powerset_BD_Shape_mpq_-class_unconstrain_space_dimension, 1040
ppl_Pointset_Powerset_BD_Shape_mpq_-class_unconstrain_space_dimensions, 1041
ppl_Pointset_Powerset_BD_Shape_mpq_-class_upper_bound_assign, 1040
ppl_Pointset_Powerset_BD_Shape_mpq_class_-time_elapse_assign
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1040
ppl_Pointset_Powerset_BD_Shape_mpq_class_-topological_closure_assign
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1036
ppl_Pointset_Powerset_BD_Shape_mpq_class_-total_memory_in_bytes
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1043
ppl_Pointset_Powerset_BD_Shape_mpq_class_-unconstrain_space_dimension
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1040
ppl_Pointset_Powerset_BD_Shape_mpq_class_-unconstrain_space_dimensions
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1041
ppl_Pointset_Powerset_BD_Shape_mpq_class_-upper_bound_assign
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1040
ppl_Pointset_Powerset_BD_Shape_mpq_class_-upper_bound_assign_if_exact
ppl_Pointset_Powerset_BD_Shape_mpq_-class_tag, 1040
ppl_Pointset_Powerset_BD_Shape_mpz_class_-add_congruence
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1057
ppl_Pointset_Powerset_BD_Shape_mpz_class_-add_congruences
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1058
ppl_Pointset_Powerset_BD_Shape_mpz_class_-add_constraint
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1057
ppl_Pointset_Powerset_BD_Shape_mpz_class_-add_constraints
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1058
ppl_Pointset_Powerset_BD_Shape_mpz_class_-add_disjunct
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1062
ppl_Pointset_Powerset_BD_Shape_mpz_class_-add_space_dimensions_and_embed
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1061
ppl_Pointset_Powerset_BD_Shape_mpz_class_-add_space_dimensions_and_project
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1061
ppl_Pointset_Powerset_BD_Shape_mpz_class_-affine_dimension
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1054
ppl_Pointset_Powerset_BD_Shape_mpz_class_-affine_image
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1060
ppl_Pointset_Powerset_BD_Shape_mpz_class_-affine_preimage
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1060
ppl_Pointset_Powerset_BD_Shape_mpz_class_-ascii_dump
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1063
ppl_Pointset_Powerset_BD_Shape_mpz_class_-ascii_load
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1064
ppl_Pointset_Powerset_BD_Shape_mpz_class_-BGP99_BHMZ05_extrapolation_assign
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1063
ppl_Pointset_Powerset_BD_Shape_mpz_class_-BGP99_H79_extrapolation_assign
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1063
ppl_Pointset_Powerset_BD_Shape_mpz_class_-BHZ03_H79_BHMZ05_widening_-assign
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1063
ppl_Pointset_Powerset_BD_Shape_mpz_class_-BHZ03_H79_H79_widening_assign
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1063
ppl_Pointset_Powerset_BD_Shape_mpz_class_-bounded_affine_image
ppl_Pointset_Powerset_BD_Shape_mpz_-

class_tag, 1060
ppl_Pointset_Powerset_BD_Shape_mpz_class_-bounded_affine_preimage
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1060
ppl_Pointset_Powerset_BD_Shape_mpz_class_-bounds_from_above
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1056
ppl_Pointset_Powerset_BD_Shape_mpz_class_-bounds_from_below
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1056
ppl_Pointset_Powerset_BD_Shape_mpz_class_-concatenate_assign
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1059
ppl_Pointset_Powerset_BD_Shape_mpz_class_-const_iterator_begin
ppl_Pointset_Powerset_BD_Shape_mpz_-class_const_iterator_tag, 1046
ppl_Pointset_Powerset_BD_Shape_mpz_class_-const_iterator_decrement
ppl_Pointset_Powerset_BD_Shape_mpz_-class_const_iterator_tag, 1047
ppl_Pointset_Powerset_BD_Shape_mpz_class_-const_iterator_dereference
ppl_Pointset_Powerset_BD_Shape_mpz_-class_const_iterator_tag, 1047
ppl_Pointset_Powerset_BD_Shape_mpz_class_-const_iterator_end
ppl_Pointset_Powerset_BD_Shape_mpz_-class_const_iterator_tag, 1046
ppl_Pointset_Powerset_BD_Shape_mpz_class_-const_iterator_equal_test
ppl_Pointset_Powerset_BD_Shape_mpz_-class_const_iterator_tag, 1046
ppl_Pointset_Powerset_BD_Shape_mpz_class_-const_iterator_increment
ppl_Pointset_Powerset_BD_Shape_mpz_-class_const_iterator_tag, 1046
ppl_Pointset_Powerset_BD_Shape_mpz_class_-const_iterator_tag, 1045
ppl_Pointset_Powerset_BD_Shape_mpz_class_-constrains
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1059
ppl_Pointset_Powerset_BD_Shape_mpz_class_-contains_integer_point
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1055
ppl_Pointset_Powerset_BD_Shape_mpz_class_-difference_assign
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1059
ppl_Pointset_Powerset_BD_Shape_mpz_class_-drop_disjunct
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1062
ppl_Pointset_Powerset_BD_Shape_mpz_class_-drop_disjuncts
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1062
ppl_Pointset_Powerset_BD_Shape_mpz_class_-drop_some_non_integer_points
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1062
ppl_Pointset_Powerset_BD_Shape_mpz_class_-drop_some_non_integer_points_2
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1062
ppl_Pointset_Powerset_BD_Shape_mpz_class_-expand_space_dimension
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1061
ppl_Pointset_Powerset_BD_Shape_mpz_class_-external_memory_in_bytes
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1062
ppl_Pointset_Powerset_BD_Shape_mpz_class_-fold_space_dimensions
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1061
ppl_Pointset_Powerset_BD_Shape_mpz_class_-generalized_affine_image
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1060
ppl_Pointset_Powerset_BD_Shape_mpz_class_-generalized_affine_image_lhs_rhs
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1060
ppl_Pointset_Powerset_BD_Shape_mpz_class_-generalized_affine_preimage
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1060
ppl_Pointset_Powerset_BD_Shape_mpz_class_-generalized_affine_preimage_lhs_rhs
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1061
ppl_Pointset_Powerset_BD_Shape_mpz_class_-intersection_assign
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1058
ppl_Pointset_Powerset_BD_Shape_mpz_class_is_-bounded
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1055

ppl_Pointset_Powerset_BD_Shape_mpz_class_is_-discrete
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1055
ppl_Pointset_Powerset_BD_Shape_mpz_class_is_-empty
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1055
ppl_Pointset_Powerset_BD_Shape_mpz_class_is_-topologically_closed
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1055
ppl_Pointset_Powerset_BD_Shape_mpz_class_is_-universe
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1055
ppl_Pointset_Powerset_BD_Shape_mpz_class_-iterator_begin
ppl_Pointset_Powerset_BD_Shape_mpz_-class_iterator_tag, 1048
ppl_Pointset_Powerset_BD_Shape_mpz_class_-iterator_decrement
ppl_Pointset_Powerset_BD_Shape_mpz_-class_iterator_tag, 1048
ppl_Pointset_Powerset_BD_Shape_mpz_class_-iterator_dereference
ppl_Pointset_Powerset_BD_Shape_mpz_-class_iterator_tag, 1049
ppl_Pointset_Powerset_BD_Shape_mpz_class_-iterator_end
ppl_Pointset_Powerset_BD_Shape_mpz_-class_iterator_tag, 1048
ppl_Pointset_Powerset_BD_Shape_mpz_class_-iterator_equal_test
ppl_Pointset_Powerset_BD_Shape_mpz_-class_iterator_tag, 1048
ppl_Pointset_Powerset_BD_Shape_mpz_class_-iterator_increment
ppl_Pointset_Powerset_BD_Shape_mpz_-class_iterator_tag, 1048
ppl_Pointset_Powerset_BD_Shape_mpz_class_-iterator_tag, 1047
ppl_delete_Pointset_Powerset_BD_Shape_-mpz_class_iterator, 1049
ppl_new_Pointset_Powerset_BD_Shape_-mpz_class_iterator, 1048
ppl_Pointset_Powerset_BD_Shape_mpz_-class_iterator_begin, 1048
ppl_Pointset_Powerset_BD_Shape_mpz_-class_iterator_decrement, 1048
ppl_Pointset_Powerset_BD_Shape_mpz_-class_iterator_dereference, 1049
ppl_Pointset_Powerset_BD_Shape_mpz_-class_iterator_end, 1048
ppl_Pointset_Powerset_BD_Shape_mpz_-class_iterator_increment, 1048
ppl_Pointset_Powerset_BD_Shape_mpz_class_-map_space_dimensions
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1061
ppl_Pointset_Powerset_BD_Shape_mpz_class_-maximize
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1056
ppl_Pointset_Powerset_BD_Shape_mpz_class_-maximize_with_point
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1056
ppl_Pointset_Powerset_BD_Shape_mpz_class_-minimize
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1056
ppl_Pointset_Powerset_BD_Shape_mpz_class_-minimize_with_point
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1056
ppl_Pointset_Powerset_BD_Shape_mpz_class_OK
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1057
ppl_Pointset_Powerset_BD_Shape_mpz_class_-omega_reduce
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1056
ppl_Pointset_Powerset_BD_Shape_mpz_class_-pairwise_reduce
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1055
ppl_Pointset_Powerset_BD_Shape_mpz_class_-refine_with_congruence
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1058
ppl_Pointset_Powerset_BD_Shape_mpz_class_-refine_with_congruences
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1058
ppl_Pointset_Powerset_BD_Shape_mpz_class_-refine_with_constraint
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1058
ppl_Pointset_Powerset_BD_Shape_mpz_class_-refine_with_constraints
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1058
ppl_Pointset_Powerset_BD_Shape_mpz_class_-relation_with_Congruence
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1055

ppl_Pointset_Powerset_BD_Shape_mpz_class_-
relation_with_Constraint
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_tag, 1054
ppl_Pointset_Powerset_BD_Shape_mpz_class_-
relation_with_Generator
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_tag, 1054
ppl_Pointset_Powerset_BD_Shape_mpz_class_-
remove_higher_space_dimensions
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_tag, 1061
ppl_Pointset_Powerset_BD_Shape_mpz_class_-
remove_space_dimensions
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_tag, 1061
ppl_Pointset_Powerset_BD_Shape_mpz_class_-
simplify_using_context_assign
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_tag, 1059
ppl_Pointset_Powerset_BD_Shape_mpz_class_size
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_tag, 1062
ppl_Pointset_Powerset_BD_Shape_mpz_class_-
space_dimension
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_tag, 1054
ppl_Pointset_Powerset_BD_Shape_mpz_class_tag,
1049
ppl_delete_Pointset_Powerset_BD_Shape_-
mpz_class, 1053
ppl_io_asprint_Pointset_Powerset_BD_-
Shape_mpz_class, 1063
ppl_io_fprint_Pointset_Powerset_BD_-
Shape_mpz_class, 1063
ppl_io_print_Pointset_Powerset_BD_Shape_-
mpz_class, 1063
ppl_new_Pointset_Powerset_BD_Shape_-
mpz_class_from_Congruence_System,
1054
ppl_new_Pointset_Powerset_BD_Shape_-
mpz_class_from_Constraint_System,
1054
ppl_new_Pointset_Powerset_BD_Shape_-
mpz_class_from_space_dimension,
1053
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_add_congruence, 1057
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_add_congruences, 1058
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_add_constraint, 1057
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_add_constraints, 1058
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_add_disjunct, 1062
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_affine_dimension, 1054
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_affine_image, 1060
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_affine_preimage, 1060
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_ascii_dump, 1063
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_ascii_load, 1064
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_bounded_affine_image, 1060
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_bounded_affine_preimage, 1060
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_bounds_from_above, 1056
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_bounds_from_below, 1056
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_concatenate_assign, 1059
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_constrains, 1059
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_contains_integer_point, 1055
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_difference_assign, 1059
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_drop_disjunct, 1062
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_drop_disjuncts, 1062
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_expand_space_dimension, 1061
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_external_memory_in_bytes, 1062
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_fold_space_dimensions, 1061
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_generalized_affine_image, 1060
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_generalized_affine_preimage,
1060
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_intersection_assign, 1058
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_is_bounded, 1055
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_is_discrete, 1055
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_is_empty, 1055
ppl_Pointset_Powerset_BD_Shape_mpz_-
class_is_topologically_closed, 1055
ppl_Pointset_Powerset_BD_Shape_mpz_-

class_is_universe, 1055
ppl_Pointset_Powerset_BD_Shape_mpz_-class_map_space_dimensions, 1061
ppl_Pointset_Powerset_BD_Shape_mpz_-class_maximize, 1056
ppl_Pointset_Powerset_BD_Shape_mpz_-class_maximize_with_point, 1056
ppl_Pointset_Powerset_BD_Shape_mpz_-class_minimize, 1056
ppl_Pointset_Powerset_BD_Shape_mpz_-class_minimize_with_point, 1056
ppl_Pointset_Powerset_BD_Shape_mpz_-class_OK, 1057
ppl_Pointset_Powerset_BD_Shape_mpz_-class_omega_reduce, 1056
ppl_Pointset_Powerset_BD_Shape_mpz_-class_pairwise_reduce, 1055
ppl_Pointset_Powerset_BD_Shape_mpz_-class_refine_with_congruence, 1058
ppl_Pointset_Powerset_BD_Shape_mpz_-class_refine_with_congruences, 1058
ppl_Pointset_Powerset_BD_Shape_mpz_-class_refine_with_constraint, 1058
ppl_Pointset_Powerset_BD_Shape_mpz_-class_refine_with_constraints, 1058
ppl_Pointset_Powerset_BD_Shape_mpz_-class_relation_with_Congruence, 1055
ppl_Pointset_Powerset_BD_Shape_mpz_-class_relation_with_Constraint, 1054
ppl_Pointset_Powerset_BD_Shape_mpz_-class_relation_with_Generator, 1054
ppl_Pointset_Powerset_BD_Shape_mpz_-class_remove_space_dimensions, 1061
ppl_Pointset_Powerset_BD_Shape_mpz_-class_size, 1062
ppl_Pointset_Powerset_BD_Shape_mpz_-class_space_dimension, 1054
ppl_Pointset_Powerset_BD_Shape_mpz_-class_time_elapse_assign, 1059
ppl_Pointset_Powerset_BD_Shape_mpz_-class_topological_closure_assign, 1055
ppl_Pointset_Powerset_BD_Shape_mpz_-class_total_memory_in_bytes, 1062
ppl_Pointset_Powerset_BD_Shape_mpz_-class_unconstrain_space_dimension, 1059
ppl_Pointset_Powerset_BD_Shape_mpz_-class_unconstrain_space_dimensions, 1059
ppl_Pointset_Powerset_BD_Shape_mpz_-class_upper_bound_assign, 1058
ppl_Pointset_Powerset_BD_Shape_mpz_class_-time_elapse_assign
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1059
ppl_Pointset_Powerset_BD_Shape_mpz_class_-topological_closure_assign
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1055
ppl_Pointset_Powerset_BD_Shape_mpz_class_-total_memory_in_bytes
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1062
ppl_Pointset_Powerset_BD_Shape_mpz_class_-unconstrain_space_dimension
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1059
ppl_Pointset_Powerset_BD_Shape_mpz_class_-unconstrain_space_dimensions
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1059
ppl_Pointset_Powerset_BD_Shape_mpz_class_-upper_bound_assign
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1058
ppl_Pointset_Powerset_BD_Shape_mpz_class_-upper_bound_assign_if_exact
ppl_Pointset_Powerset_BD_Shape_mpz_-class_tag, 1059
ppl_Pointset_Powerset_C_Polyhedron_add_-congruence
ppl_Pointset_Powerset_C_Polyhedron_tag, 1079
ppl_Pointset_Powerset_C_Polyhedron_add_-congruences
ppl_Pointset_Powerset_C_Polyhedron_tag, 1079
ppl_Pointset_Powerset_C_Polyhedron_add_-constraint
ppl_Pointset_Powerset_C_Polyhedron_tag, 1079
ppl_Pointset_Powerset_C_Polyhedron_add_-constraints
ppl_Pointset_Powerset_C_Polyhedron_tag, 1079
ppl_Pointset_Powerset_C_Polyhedron_add_-disjunct
ppl_Pointset_Powerset_C_Polyhedron_tag, 1074
ppl_Pointset_Powerset_C_Polyhedron_add_-space_dimensions_and_embed
ppl_Pointset_Powerset_C_Polyhedron_tag, 1082
ppl_Pointset_Powerset_C_Polyhedron_add_-space_dimensions_and_project
ppl_Pointset_Powerset_C_Polyhedron_tag, 1082

ppl_Pointset_Powerset_C_Polyhedron_affine_-dimension
ppl_Pointset_Powerset_C_Polyhedron_tag, 1076
ppl_Pointset_Powerset_C_Polyhedron_affine_-image
ppl_Pointset_Powerset_C_Polyhedron_tag, 1081
ppl_Pointset_Powerset_C_Polyhedron_affine_-preimage
ppl_Pointset_Powerset_C_Polyhedron_tag, 1081
ppl_Pointset_Powerset_C_Polyhedron_ascii_dump
ppl_Pointset_Powerset_C_Polyhedron_tag, 1084
ppl_Pointset_Powerset_C_Polyhedron_ascii_load
ppl_Pointset_Powerset_C_Polyhedron_tag, 1084
ppl_Pointset_Powerset_C_Polyhedron_BGP99_-BHRZ03_extrapolation_assign
ppl_Pointset_Powerset_C_Polyhedron_tag, 1083
ppl_Pointset_Powerset_C_Polyhedron_BGP99_-H79_extrapolation_assign
ppl_Pointset_Powerset_C_Polyhedron_tag, 1084
ppl_Pointset_Powerset_C_Polyhedron_BHZ03_-BHRZ03_BHRZ03_widening_assign
ppl_Pointset_Powerset_C_Polyhedron_tag, 1083
ppl_Pointset_Powerset_C_Polyhedron_BHZ03_-H79_H79_widening_assign
ppl_Pointset_Powerset_C_Polyhedron_tag, 1083
ppl_Pointset_Powerset_C_Polyhedron_bounded_-affine_image
ppl_Pointset_Powerset_C_Polyhedron_tag, 1081
ppl_Pointset_Powerset_C_Polyhedron_bounded_-affine_preimage
ppl_Pointset_Powerset_C_Polyhedron_tag, 1081
ppl_Pointset_Powerset_C_Polyhedron_bounds_-from_above
ppl_Pointset_Powerset_C_Polyhedron_tag, 1077
ppl_Pointset_Powerset_C_Polyhedron_bounds_-from_below
ppl_Pointset_Powerset_C_Polyhedron_tag, 1077
ppl_Pointset_Powerset_C_Polyhedron_-concatenate_assign
ppl_Pointset_Powerset_C_Polyhedron_tag, 1080
ppl_Pointset_Powerset_C_Polyhedron_const_-iterator_begin
ppl_Pointset_Powerset_C_Polyhedron_-const_iterator_tag, 1065
ppl_Pointset_Powerset_C_Polyhedron_const_-iterator_decrement
ppl_Pointset_Powerset_C_Polyhedron_-const_iterator_tag, 1066
ppl_Pointset_Powerset_C_Polyhedron_const_-iterator_dereference
ppl_Pointset_Powerset_C_Polyhedron_-const_iterator_tag, 1066
ppl_Pointset_Powerset_C_Polyhedron_const_-iterator_end
ppl_Pointset_Powerset_C_Polyhedron_-const_iterator_tag, 1065
ppl_Pointset_Powerset_C_Polyhedron_const_-iterator_equal_test
ppl_Pointset_Powerset_C_Polyhedron_-const_iterator_tag, 1066
ppl_Pointset_Powerset_C_Polyhedron_const_-iterator_increment
ppl_Pointset_Powerset_C_Polyhedron_-const_iterator_tag, 1066
ppl_Pointset_Powerset_C_Polyhedron_const_-iterator_tag, 1064
ppl_delete_Pointset_Powerset_C_-Polyhedron_const_iterator, 1065
ppl_new_Pointset_Powerset_C_Polyhedron_-const_iterator, 1065
ppl_Pointset_Powerset_C_Polyhedron_-const_iterator_begin, 1065
ppl_Pointset_Powerset_C_Polyhedron_-const_iterator_decrement, 1066
ppl_Pointset_Powerset_C_Polyhedron_-const_iterator_dereference, 1066
ppl_Pointset_Powerset_C_Polyhedron_-const_iterator_end, 1065
ppl_Pointset_Powerset_C_Polyhedron_-const_iterator_equal_test, 1066
ppl_Pointset_Powerset_C_Polyhedron_-const_iterator_increment, 1066
ppl_Pointset_Powerset_C_Polyhedron_constrains
ppl_Pointset_Powerset_C_Polyhedron_tag, 1080
ppl_Pointset_Powerset_C_Polyhedron_contains_-integer_point
ppl_Pointset_Powerset_C_Polyhedron_tag, 1077
ppl_Pointset_Powerset_C_Polyhedron_contains_-Pointset_Powerset_C_Polyhedron
ppl_Pointset_Powerset_C_Polyhedron_tag, 1078

ppl_Pointset_Powerset_C_Polyhedron_-
difference_assign
ppl_Pointset_Powerset_C_Polyhedron_tag,
1080
ppl_Pointset_Powerset_C_Polyhedron_drop_-
disjunct
ppl_Pointset_Powerset_C_Polyhedron_tag,
1074
ppl_Pointset_Powerset_C_Polyhedron_drop_-
disjuncts
ppl_Pointset_Powerset_C_Polyhedron_tag,
1074
ppl_Pointset_Powerset_C_Polyhedron_drop_-
some_non_integer_points
ppl_Pointset_Powerset_C_Polyhedron_tag,
1083
ppl_Pointset_Powerset_C_Polyhedron_drop_-
some_non_integer_points_2
ppl_Pointset_Powerset_C_Polyhedron_tag,
1083
ppl_Pointset_Powerset_C_Polyhedron_equals_-
Pointset_Powerset_C_Polyhedron
ppl_Pointset_Powerset_C_Polyhedron_tag,
1078
ppl_Pointset_Powerset_C_Polyhedron_expand_-
space_dimension
ppl_Pointset_Powerset_C_Polyhedron_tag,
1082
ppl_Pointset_Powerset_C_Polyhedron_external_-
memory_in_bytes
ppl_Pointset_Powerset_C_Polyhedron_tag,
1083
ppl_Pointset_Powerset_C_Polyhedron_fold_-
space_dimensions
ppl_Pointset_Powerset_C_Polyhedron_tag,
1082
ppl_Pointset_Powerset_C_Polyhedron_-
generalized_affine_image
ppl_Pointset_Powerset_C_Polyhedron_tag,
1081
ppl_Pointset_Powerset_C_Polyhedron_-
generalized_affine_image_lhs_rhs
ppl_Pointset_Powerset_C_Polyhedron_tag,
1082
ppl_Pointset_Powerset_C_Polyhedron_-
generalized_affine_preimage
ppl_Pointset_Powerset_C_Polyhedron_tag,
1081
ppl_Pointset_Powerset_C_Polyhedron_-
generalized_affine_preimage_lhs_rhs
ppl_Pointset_Powerset_C_Polyhedron_tag,
1082
ppl_Pointset_Powerset_C_Polyhedron_-
geometrically_covers_Pointset_-
Powerset_C_Polyhedron
ppl_Pointset_Powerset_C_Polyhedron_tag,
1074
ppl_Pointset_Powerset_C_Polyhedron_-
geometrically_equals_Pointset_-
Powerset_C_Polyhedron
ppl_Pointset_Powerset_C_Polyhedron_tag,
1074
ppl_Pointset_Powerset_C_Polyhedron_-
intersection_assign
ppl_Pointset_Powerset_C_Polyhedron_tag,
1080
ppl_Pointset_Powerset_C_Polyhedron_is_bounded
ppl_Pointset_Powerset_C_Polyhedron_tag,
1077
ppl_Pointset_Powerset_C_Polyhedron_is_discrete
ppl_Pointset_Powerset_C_Polyhedron_tag,
1077
ppl_Pointset_Powerset_C_Polyhedron_is_-
disjoint_from_Pointset_Powerset_-
C_Polyhedron
ppl_Pointset_Powerset_C_Polyhedron_tag,
1078
ppl_Pointset_Powerset_C_Polyhedron_is_empty
ppl_Pointset_Powerset_C_Polyhedron_tag,
1076
ppl_Pointset_Powerset_C_Polyhedron_is_-
topologically_closed
ppl_Pointset_Powerset_C_Polyhedron_tag,
1077
ppl_Pointset_Powerset_C_Polyhedron_is_universe
ppl_Pointset_Powerset_C_Polyhedron_tag,
1076
ppl_Pointset_Powerset_C_Polyhedron_iterator_-
begin
ppl_Pointset_Powerset_C_Polyhedron_-
iterator_tag, 1068
ppl_Pointset_Powerset_C_Polyhedron_iterator_-
decrement
ppl_Pointset_Powerset_C_Polyhedron_-
iterator_tag, 1069
ppl_Pointset_Powerset_C_Polyhedron_iterator_-
dereference
ppl_Pointset_Powerset_C_Polyhedron_-
iterator_tag, 1068
ppl_Pointset_Powerset_C_Polyhedron_iterator_-
end
ppl_Pointset_Powerset_C_Polyhedron_-
iterator_tag, 1068
ppl_Pointset_Powerset_C_Polyhedron_iterator_-
equal_test
ppl_Pointset_Powerset_C_Polyhedron_-
iterator_tag, 1069

ppl_Pointset_Powerset_C_Polyhedron_iterator_-increment
ppl_Pointset_Powerset_C_Polyhedron_-iterator_tag, 1069
ppl_Pointset_Powerset_C_Polyhedron_iterator_-tag, 1066
ppl_delete_Pointset_Powerset_C_-Polyhedron_iterator, 1068
ppl_new_Pointset_Powerset_C_Polyhedron_-iterator, 1068
ppl_new_Pointset_Powerset_C_Polyhedron_-iterator_from_iterator, 1068
ppl_Pointset_Powerset_C_Polyhedron_-iterator_begin, 1068
ppl_Pointset_Powerset_C_Polyhedron_-iterator_decrement, 1069
ppl_Pointset_Powerset_C_Polyhedron_-iterator_dereference, 1068
ppl_Pointset_Powerset_C_Polyhedron_-iterator_end, 1068
ppl_Pointset_Powerset_C_Polyhedron_-iterator_equal_test, 1069
ppl_Pointset_Powerset_C_Polyhedron_-iterator_increment, 1069
ppl_Pointset_Powerset_C_Polyhedron_map_-space_dimensions
ppl_Pointset_Powerset_C_Polyhedron_tag, 1083
ppl_Pointset_Powerset_C_Polyhedron_maximize
ppl_Pointset_Powerset_C_Polyhedron_tag, 1077
ppl_Pointset_Powerset_C_Polyhedron_maximize_-with_point
ppl_Pointset_Powerset_C_Polyhedron_tag, 1078
ppl_Pointset_Powerset_C_Polyhedron_minimize
ppl_Pointset_Powerset_C_Polyhedron_tag, 1078
ppl_Pointset_Powerset_C_Polyhedron_minimize_-with_point
ppl_Pointset_Powerset_C_Polyhedron_tag, 1078
ppl_Pointset_Powerset_C_Polyhedron_OK
ppl_Pointset_Powerset_C_Polyhedron_tag, 1078
ppl_Pointset_Powerset_C_Polyhedron_omega_-reduce
ppl_Pointset_Powerset_C_Polyhedron_tag, 1077
ppl_Pointset_Powerset_C_Polyhedron_pairwise_-reduce
ppl_Pointset_Powerset_C_Polyhedron_tag, 1075
ppl_Pointset_Powerset_C_Polyhedron_refine_-with_congruence
ppl_Pointset_Powerset_C_Polyhedron_tag, 1079
ppl_Pointset_Powerset_C_Polyhedron_refine_-with_congruences
ppl_Pointset_Powerset_C_Polyhedron_tag, 1079
ppl_Pointset_Powerset_C_Polyhedron_refine_-with_constraint
ppl_Pointset_Powerset_C_Polyhedron_tag, 1079
ppl_Pointset_Powerset_C_Polyhedron_refine_-with_constraints
ppl_Pointset_Powerset_C_Polyhedron_tag, 1079
ppl_Pointset_Powerset_C_Polyhedron_relation_-with_Congruence
ppl_Pointset_Powerset_C_Polyhedron_tag, 1076
ppl_Pointset_Powerset_C_Polyhedron_relation_-with_Constraint
ppl_Pointset_Powerset_C_Polyhedron_tag, 1076
ppl_Pointset_Powerset_C_Polyhedron_relation_-with_Generator
ppl_Pointset_Powerset_C_Polyhedron_tag, 1076
ppl_Pointset_Powerset_C_Polyhedron_remove_-higher_space_dimensions
ppl_Pointset_Powerset_C_Polyhedron_tag, 1082
ppl_Pointset_Powerset_C_Polyhedron_remove_-space_dimensions
ppl_Pointset_Powerset_C_Polyhedron_tag, 1082
ppl_Pointset_Powerset_C_Polyhedron_simplify_-using_context_assign
ppl_Pointset_Powerset_C_Polyhedron_tag, 1080
ppl_Pointset_Powerset_C_Polyhedron_size
ppl_Pointset_Powerset_C_Polyhedron_tag, 1074
ppl_Pointset_Powerset_C_Polyhedron_space_-dimension
ppl_Pointset_Powerset_C_Polyhedron_tag, 1076
ppl_Pointset_Powerset_C_Polyhedron_strictly_-contains_Pointset_Powerset_C_-Polyhedron
ppl_Pointset_Powerset_C_Polyhedron_tag, 1078
ppl_Pointset_Powerset_C_Polyhedron_tag, 1069
ppl_delete_Pointset_Powerset_C_Polyhedron,

1075
ppl_io_asprint_Pointset_Powerset_C_-Polyhedron, 1084
ppl_io_fprint_Pointset_Powerset_C_-Polyhedron, 1084
ppl_io_print_Pointset_Powerset_C_-Polyhedron, 1084
ppl_new_Pointset_Powerset_C_Polyhedron_-from_C_Polyhedron, 1075
ppl_new_Pointset_Powerset_C_Polyhedron_-from_C_Polyhedron_with_complexity, 1075
ppl_new_Pointset_Powerset_C_Polyhedron_-from_Congruence_System, 1076
ppl_new_Pointset_Powerset_C_Polyhedron_-from_Constraint_System, 1075
ppl_new_Pointset_Powerset_C_Polyhedron_-from_Pointset_Powerset_C_Polyhedron, 1075
ppl_new_Pointset_Powerset_C_Polyhedron_-from_space_dimension, 1075
ppl_Pointset_Powerset_C_Polyhedron_add_-congruence, 1079
ppl_Pointset_Powerset_C_Polyhedron_add_-congruences, 1079
ppl_Pointset_Powerset_C_Polyhedron_add_-constraint, 1079
ppl_Pointset_Powerset_C_Polyhedron_add_-constraints, 1079
ppl_Pointset_Powerset_C_Polyhedron_add_-disjunct, 1074
ppl_Pointset_Powerset_C_Polyhedron_add_-space_dimensions_and_embed, 1082
ppl_Pointset_Powerset_C_Polyhedron_add_-space_dimensions_and_project, 1082
ppl_Pointset_Powerset_C_Polyhedron_-affine_dimension, 1076
ppl_Pointset_Powerset_C_Polyhedron_-affine_image, 1081
ppl_Pointset_Powerset_C_Polyhedron_-affine_preimage, 1081
ppl_Pointset_Powerset_C_Polyhedron_ascii_-dump, 1084
ppl_Pointset_Powerset_C_Polyhedron_ascii_-load, 1084
ppl_Pointset_Powerset_C_Polyhedron_-BGP99_BHRZ03_extrapolation_assign, 1083
ppl_Pointset_Powerset_C_Polyhedron_-BGP99_H79_extrapolation_assign, 1084
ppl_Pointset_Powerset_C_Polyhedron_-BHZ03_BHRZ03_BHRZ03_widening_-assign, 1083
ppl_Pointset_Powerset_C_Polyhedron_-BHZ03_H79_H79_widening_assign, 1083
ppl_Pointset_Powerset_C_Polyhedron_-bounded_affine_image, 1081
ppl_Pointset_Powerset_C_Polyhedron_-bounded_affine_preimage, 1081
ppl_Pointset_Powerset_C_Polyhedron_-bounds_from_above, 1077
ppl_Pointset_Powerset_C_Polyhedron_-bounds_from_below, 1077
ppl_Pointset_Powerset_C_Polyhedron_-concatenate_assign, 1080
ppl_Pointset_Powerset_C_Polyhedron_-constrains, 1080
ppl_Pointset_Powerset_C_Polyhedron_-contains_integer_point, 1077
ppl_Pointset_Powerset_C_Polyhedron_-contains_Pointset_Powerset_C_-Polyhedron, 1078
ppl_Pointset_Powerset_C_Polyhedron_-difference_assign, 1080
ppl_Pointset_Powerset_C_Polyhedron_drop_-disjunct, 1074
ppl_Pointset_Powerset_C_Polyhedron_drop_-disjuncts, 1074
ppl_Pointset_Powerset_C_Polyhedron_drop_-some_non_integer_points, 1083
ppl_Pointset_Powerset_C_Polyhedron_drop_-some_non_integer_points_2, 1083
ppl_Pointset_Powerset_C_Polyhedron_-equals_Pointset_Powerset_C_-Polyhedron, 1078
ppl_Pointset_Powerset_C_Polyhedron_-expand_space_dimension, 1082
ppl_Pointset_Powerset_C_Polyhedron_-external_memory_in_bytes, 1083
ppl_Pointset_Powerset_C_Polyhedron_fold_-space_dimensions, 1082
ppl_Pointset_Powerset_C_Polyhedron_-generalized_affine_image, 1081
ppl_Pointset_Powerset_C_Polyhedron_-generalized_affine_image_lhs_rhs, 1082
ppl_Pointset_Powerset_C_Polyhedron_-generalized_affine_preimage, 1081
ppl_Pointset_Powerset_C_Polyhedron_-generalized_affine_preimage_lhs_rhs, 1082
ppl_Pointset_Powerset_C_Polyhedron_-geometrically_covers_Pointset_-Powerset_C_Polyhedron, 1074
ppl_Pointset_Powerset_C_Polyhedron_-geometrically_equals_Pointset_-Powerset_C_Polyhedron, 1074
ppl_Pointset_Powerset_C_Polyhedron_-

intersection_assign, 1080
ppl_Pointset_Powerset_C_Polyhedron_is_-bounded, 1077
ppl_Pointset_Powerset_C_Polyhedron_is_-discrete, 1077
ppl_Pointset_Powerset_C_Polyhedron_is_-disjoint_from_Pointset_Powerset_C_-Polyhedron, 1078
ppl_Pointset_Powerset_C_Polyhedron_is_-empty, 1076
ppl_Pointset_Powerset_C_Polyhedron_is_-topologically_closed, 1077
ppl_Pointset_Powerset_C_Polyhedron_is_-universe, 1076
ppl_Pointset_Powerset_C_Polyhedron_map_-space_dimensions, 1083
ppl_Pointset_Powerset_C_Polyhedron_-maximize, 1077
ppl_Pointset_Powerset_C_Polyhedron_-maximize_with_point, 1078
ppl_Pointset_Powerset_C_Polyhedron_-minimize, 1078
ppl_Pointset_Powerset_C_Polyhedron_-minimize_with_point, 1078
ppl_Pointset_Powerset_C_Polyhedron_OK, 1078
ppl_Pointset_Powerset_C_Polyhedron_-omega_reduce, 1077
ppl_Pointset_Powerset_C_Polyhedron_-pairwise_reduce, 1075
ppl_Pointset_Powerset_C_Polyhedron_-refine_with_congruence, 1079
ppl_Pointset_Powerset_C_Polyhedron_-refine_with_congruences, 1079
ppl_Pointset_Powerset_C_Polyhedron_-refine_with_constraint, 1079
ppl_Pointset_Powerset_C_Polyhedron_-refine_with_constraints, 1079
ppl_Pointset_Powerset_C_Polyhedron_-relation_with_Congruence, 1076
ppl_Pointset_Powerset_C_Polyhedron_-relation_with_Constraint, 1076
ppl_Pointset_Powerset_C_Polyhedron_-relation_with_Generator, 1076
ppl_Pointset_Powerset_C_Polyhedron_-remove_higher_space_dimensions, 1082
ppl_Pointset_Powerset_C_Polyhedron_-remove_space_dimensions, 1082
ppl_Pointset_Powerset_C_Polyhedron_-simplify_using_context_assign, 1080
ppl_Pointset_Powerset_C_Polyhedron_size, 1074
ppl_Pointset_Powerset_C_Polyhedron_-space_dimension, 1076
ppl_Pointset_Powerset_C_Polyhedron_-strictly_contains_Pointset_Powerset_C_-Polyhedron, 1078
ppl_Pointset_Powerset_C_Polyhedron_time_-elapse_assign, 1080
ppl_Pointset_Powerset_C_Polyhedron_-topological_closure_assign, 1077
ppl_Pointset_Powerset_C_Polyhedron_total_-memory_in_bytes, 1083
ppl_Pointset_Powerset_C_Polyhedron_-unconstrain_space_dimension, 1081
ppl_Pointset_Powerset_C_Polyhedron_-unconstrain_space_dimensions, 1081
ppl_Pointset_Powerset_C_Polyhedron_-upper_bound_assign, 1080
ppl_Pointset_Powerset_C_Polyhedron_-upper_bound_assign_if_exact, 1080
ppl_Pointset_Powerset_C_Polyhedron_time_-elapse_assign
ppl_Pointset_Powerset_C_Polyhedron_tag, 1080
ppl_Pointset_Powerset_C_Polyhedron_-topological_closure_assign
ppl_Pointset_Powerset_C_Polyhedron_tag, 1077
ppl_Pointset_Powerset_C_Polyhedron_total_-memory_in_bytes
ppl_Pointset_Powerset_C_Polyhedron_tag, 1083
ppl_Pointset_Powerset_C_Polyhedron_-unconstrain_space_dimension
ppl_Pointset_Powerset_C_Polyhedron_tag, 1081
ppl_Pointset_Powerset_C_Polyhedron_-unconstrain_space_dimensions
ppl_Pointset_Powerset_C_Polyhedron_tag, 1081
ppl_Pointset_Powerset_C_Polyhedron_upper_-bound_assign
ppl_Pointset_Powerset_C_Polyhedron_tag, 1080
ppl_Pointset_Powerset_C_Polyhedron_upper_-bound_assign_if_exact
ppl_Pointset_Powerset_C_Polyhedron_tag, 1080
ppl_Pointset_Powerset_Double_Box_add_-congruence
ppl_Pointset_Powerset_Double_Box_tag, 1096
ppl_Pointset_Powerset_Double_Box_add_-congruences
ppl_Pointset_Powerset_Double_Box_tag, 1096
ppl_Pointset_Powerset_Double_Box_add_-

constraint
ppl_Pointset_Powerset_Double_Box_tag, 1096
ppl_Pointset_Powerset_Double_Box_add_-constraints
ppl_Pointset_Powerset_Double_Box_tag, 1096
ppl_Pointset_Powerset_Double_Box_add_disjunct
ppl_Pointset_Powerset_Double_Box_tag, 1101
ppl_Pointset_Powerset_Double_Box_add_space_-dimensions_and_embed
ppl_Pointset_Powerset_Double_Box_tag, 1099
ppl_Pointset_Powerset_Double_Box_add_space_-dimensions_and_project
ppl_Pointset_Powerset_Double_Box_tag, 1099
ppl_Pointset_Powerset_Double_Box_affine_-dimension
ppl_Pointset_Powerset_Double_Box_tag, 1093
ppl_Pointset_Powerset_Double_Box_affine_image
ppl_Pointset_Powerset_Double_Box_tag, 1098
ppl_Pointset_Powerset_Double_Box_affine_-preimage
ppl_Pointset_Powerset_Double_Box_tag, 1098
ppl_Pointset_Powerset_Double_Box_ascii_dump
ppl_Pointset_Powerset_Double_Box_tag, 1101
ppl_Pointset_Powerset_Double_Box_ascii_load
ppl_Pointset_Powerset_Double_Box_tag, 1102
ppl_Pointset_Powerset_Double_Box_bounded_-affine_image
ppl_Pointset_Powerset_Double_Box_tag, 1099
ppl_Pointset_Powerset_Double_Box_bounded_-affine_preimage
ppl_Pointset_Powerset_Double_Box_tag, 1099
ppl_Pointset_Powerset_Double_Box_bounds_-from_above
ppl_Pointset_Powerset_Double_Box_tag, 1094
ppl_Pointset_Powerset_Double_Box_bounds_-from_below
ppl_Pointset_Powerset_Double_Box_tag, 1095
ppl_Pointset_Powerset_Double_Box_-concatenate_assign
ppl_Pointset_Powerset_Double_Box_tag, 1097
ppl_Pointset_Powerset_Double_Box_const_-iterator_begin
ppl_Pointset_Powerset_Double_Box_const_-iterator_tag, 1085
ppl_Pointset_Powerset_Double_Box_const_-iterator_decrement
ppl_Pointset_Powerset_Double_Box_const_-iterator_tag, 1086
ppl_Pointset_Powerset_Double_Box_const_-iterator_dereference
ppl_Pointset_Powerset_Double_Box_const_-iterator_tag, 1086
ppl_Pointset_Powerset_Double_Box_const_-iterator_end
ppl_Pointset_Powerset_Double_Box_const_-iterator_tag, 1085
ppl_Pointset_Powerset_Double_Box_const_-iterator_equal_test
ppl_Pointset_Powerset_Double_Box_const_-iterator_tag, 1086
ppl_Pointset_Powerset_Double_Box_const_-iterator_increment
ppl_Pointset_Powerset_Double_Box_const_-iterator_tag, 1086
ppl_Pointset_Powerset_Double_Box_const_-iterator_tag, 1084
ppl_delete_Pointset_Powerset_Double_Box_-const_iterator, 1086
ppl_new_Pointset_Powerset_Double_Box_-const_iterator, 1085
ppl_Pointset_Powerset_Double_Box_const_-iterator_begin, 1085
ppl_Pointset_Powerset_Double_Box_const_-iterator_decrement, 1086
ppl_Pointset_Powerset_Double_Box_const_-iterator_dereference, 1086
ppl_Pointset_Powerset_Double_Box_const_-iterator_end, 1085
ppl_Pointset_Powerset_Double_Box_const_-iterator_equal_test, 1086
ppl_Pointset_Powerset_Double_Box_const_-iterator_increment, 1086
ppl_Pointset_Powerset_Double_Box_constrains
ppl_Pointset_Powerset_Double_Box_tag, 1098
ppl_Pointset_Powerset_Double_Box_contains_-integer_point
ppl_Pointset_Powerset_Double_Box_tag, 1094
ppl_Pointset_Powerset_Double_Box_contains_-Pointset_Powerset_Double_Box
ppl_Pointset_Powerset_Double_Box_tag,

1095
ppl_Pointset_Powerset_Double_Box_difference_-assign ppl_Pointset_Powerset_Double_Box_tag, 1097
ppl_Pointset_Powerset_Double_Box_drop_-disjunct ppl_Pointset_Powerset_Double_Box_tag, 1101
ppl_Pointset_Powerset_Double_Box_drop_-disjuncts ppl_Pointset_Powerset_Double_Box_tag, 1101
ppl_Pointset_Powerset_Double_Box_drop_some_-non_integer_points ppl_Pointset_Powerset_Double_Box_tag, 1100
ppl_Pointset_Powerset_Double_Box_drop_some_-non_integer_points_2 ppl_Pointset_Powerset_Double_Box_tag, 1100
ppl_Pointset_Powerset_Double_Box_equals_-Pointset_Powerset_Double_Box ppl_Pointset_Powerset_Double_Box_tag, 1096
ppl_Pointset_Powerset_Double_Box_expand_-space_dimension ppl_Pointset_Powerset_Double_Box_tag, 1100
ppl_Pointset_Powerset_Double_Box_external_-memory_in_bytes ppl_Pointset_Powerset_Double_Box_tag, 1100
ppl_Pointset_Powerset_Double_Box_fold_space_-dimensions ppl_Pointset_Powerset_Double_Box_tag, 1100
ppl_Pointset_Powerset_Double_Box_generalized_-affine_image ppl_Pointset_Powerset_Double_Box_tag, 1099
ppl_Pointset_Powerset_Double_Box_generalized_-affine_image_lhs_rhs ppl_Pointset_Powerset_Double_Box_tag, 1099
ppl_Pointset_Powerset_Double_Box_generalized_-affine_preimage ppl_Pointset_Powerset_Double_Box_tag, 1099
ppl_Pointset_Powerset_Double_Box_generalized_-affine_preimage_lhs_rhs ppl_Pointset_Powerset_Double_Box_tag, 1099
ppl_Pointset_Powerset_Double_Box_-geometrically_covers_Pointset_-Powerset_Double_Box ppl_Pointset_Powerset_Double_Box_tag, 1096
ppl_Pointset_Powerset_Double_Box_-geometrically_equals_Pointset_-Powerset_Double_Box ppl_Pointset_Powerset_Double_Box_tag, 1096
ppl_Pointset_Powerset_Double_Box_-intersection_assign ppl_Pointset_Powerset_Double_Box_tag, 1097
ppl_Pointset_Powerset_Double_Box_is_bounded ppl_Pointset_Powerset_Double_Box_tag, 1094
ppl_Pointset_Powerset_Double_Box_is_discrete ppl_Pointset_Powerset_Double_Box_tag, 1094
ppl_Pointset_Powerset_Double_Box_is_disjoint_-from_Pointset_Powerset_Double_Box ppl_Pointset_Powerset_Double_Box_tag, 1095
ppl_Pointset_Powerset_Double_Box_is_empty ppl_Pointset_Powerset_Double_Box_tag, 1093
ppl_Pointset_Powerset_Double_Box_is_-topologically_closed ppl_Pointset_Powerset_Double_Box_tag, 1094
ppl_Pointset_Powerset_Double_Box_is_universe ppl_Pointset_Powerset_Double_Box_tag, 1094
ppl_Pointset_Powerset_Double_Box_iterator_-begin ppl_Pointset_Powerset_Double_Box_-iterator_tag, 1087
ppl_Pointset_Powerset_Double_Box_iterator_-decrement ppl_Pointset_Powerset_Double_Box_-iterator_tag, 1088
ppl_Pointset_Powerset_Double_Box_iterator_-dereference ppl_Pointset_Powerset_Double_Box_-iterator_tag, 1088
ppl_Pointset_Powerset_Double_Box_iterator_end ppl_Pointset_Powerset_Double_Box_-iterator_tag, 1087
ppl_Pointset_Powerset_Double_Box_iterator_-equal_test ppl_Pointset_Powerset_Double_Box_-iterator_tag, 1087
ppl_Pointset_Powerset_Double_Box_iterator_-increment

ppl_Pointset_Powerset_Double_Box_-iterator_tag, 1088
ppl_Pointset_Powerset_Double_Box_iterator_tag, 1086
ppl_delete_Pointset_Powerset_Double_Box_-iterator, 1088
ppl_new_Pointset_Powerset_Double_Box_-iterator, 1087
ppl_new_Pointset_Powerset_Double_Box_-iterator_from_iterator, 1087
ppl_Pointset_Powerset_Double_Box_-iterator_begin, 1087
ppl_Pointset_Powerset_Double_Box_-iterator_decrement, 1088
ppl_Pointset_Powerset_Double_Box_-iterator_dereference, 1088
ppl_Pointset_Powerset_Double_Box_-iterator_end, 1087
ppl_Pointset_Powerset_Double_Box_-iterator_equal_test, 1087
ppl_Pointset_Powerset_Double_Box_-iterator_increment, 1088
ppl_Pointset_Powerset_Double_Box_map_space_-dimensions
ppl_Pointset_Powerset_Double_Box_tag, 1100
ppl_Pointset_Powerset_Double_Box_maximize
ppl_Pointset_Powerset_Double_Box_tag, 1095
ppl_Pointset_Powerset_Double_Box_maximize_-with_point
ppl_Pointset_Powerset_Double_Box_tag, 1095
ppl_Pointset_Powerset_Double_Box_minimize
ppl_Pointset_Powerset_Double_Box_tag, 1095
ppl_Pointset_Powerset_Double_Box_minimize_-with_point
ppl_Pointset_Powerset_Double_Box_tag, 1095
ppl_Pointset_Powerset_Double_Box_OK
ppl_Pointset_Powerset_Double_Box_tag, 1096
ppl_Pointset_Powerset_Double_Box_omega_-reduce
ppl_Pointset_Powerset_Double_Box_tag, 1094
ppl_Pointset_Powerset_Double_Box_pairwise_-reduce
ppl_Pointset_Powerset_Double_Box_tag, 1094
ppl_Pointset_Powerset_Double_Box_refine_with_-congruence
ppl_Pointset_Powerset_Double_Box_tag, 1097
ppl_Pointset_Powerset_Double_Box_refine_with_-congruences
ppl_Pointset_Powerset_Double_Box_tag, 1097
ppl_Pointset_Powerset_Double_Box_refine_with_-constraint
ppl_Pointset_Powerset_Double_Box_tag, 1097
ppl_Pointset_Powerset_Double_Box_refine_with_-constraints
ppl_Pointset_Powerset_Double_Box_tag, 1097
ppl_Pointset_Powerset_Double_Box_relation_-with_Congruence
ppl_Pointset_Powerset_Double_Box_tag, 1093
ppl_Pointset_Powerset_Double_Box_relation_-with_Constraint
ppl_Pointset_Powerset_Double_Box_tag, 1093
ppl_Pointset_Powerset_Double_Box_relation_-with_Generator
ppl_Pointset_Powerset_Double_Box_tag, 1093
ppl_Pointset_Powerset_Double_Box_remove_-higher_space_dimensions
ppl_Pointset_Powerset_Double_Box_tag, 1100
ppl_Pointset_Powerset_Double_Box_remove_-space_dimensions
ppl_Pointset_Powerset_Double_Box_tag, 1100
ppl_Pointset_Powerset_Double_Box_simplify_-using_context_assign
ppl_Pointset_Powerset_Double_Box_tag, 1098
ppl_Pointset_Powerset_Double_Box_size
ppl_Pointset_Powerset_Double_Box_tag, 1101
ppl_Pointset_Powerset_Double_Box_space_-dimension
ppl_Pointset_Powerset_Double_Box_tag, 1093
ppl_Pointset_Powerset_Double_Box_strictly_-contains_Pointset_Powerset_Double_-Box
ppl_Pointset_Powerset_Double_Box_tag, 1095
ppl_Pointset_Powerset_Double_Box_tag, 1088
ppl_delete_Pointset_Powerset_Double_Box, 1092
ppl_io_asprint_Pointset_Powerset_Double_-Box, 1101

ppl_io_fprint_Pointset_Powerset_Double_-Box, 1101
ppl_io_print_Pointset_Powerset_Double_Box, 1101
ppl_new_Pointset_Powerset_Double_Box_-from_Congruence_System, 1093
ppl_new_Pointset_Powerset_Double_Box_-from_Constraint_System, 1093
ppl_new_Pointset_Powerset_Double_Box_-from_Double_Box, 1092
ppl_new_Pointset_Powerset_Double_Box_-from_Double_Box_with_complexity, 1092
ppl_new_Pointset_Powerset_Double_Box_-from_Pointset_Powerset_Double_Box, 1092
ppl_new_Pointset_Powerset_Double_Box_-from_space_dimension, 1092
ppl_Pointset_Powerset_Double_Box_add_-congruence, 1096
ppl_Pointset_Powerset_Double_Box_add_-congruences, 1096
ppl_Pointset_Powerset_Double_Box_add_-constraint, 1096
ppl_Pointset_Powerset_Double_Box_add_-constraints, 1096
ppl_Pointset_Powerset_Double_Box_add_-disjunct, 1101
ppl_Pointset_Powerset_Double_Box_add_-space_dimensions_and_embed, 1099
ppl_Pointset_Powerset_Double_Box_add_-space_dimensions_and_project, 1099
ppl_Pointset_Powerset_Double_Box_affine_-dimension, 1093
ppl_Pointset_Powerset_Double_Box_affine_-image, 1098
ppl_Pointset_Powerset_Double_Box_affine_-preimage, 1098
ppl_Pointset_Powerset_Double_Box_ascii_-dump, 1101
ppl_Pointset_Powerset_Double_Box_ascii_-load, 1102
ppl_Pointset_Powerset_Double_Box_-bounded_affine_image, 1099
ppl_Pointset_Powerset_Double_Box_-bounded_affine_preimage, 1099
ppl_Pointset_Powerset_Double_Box_-bounds_from_above, 1094
ppl_Pointset_Powerset_Double_Box_-bounds_from_below, 1095
ppl_Pointset_Powerset_Double_Box_-concatenate_assign, 1097
ppl_Pointset_Powerset_Double_Box_-constrains, 1098
ppl_Pointset_Powerset_Double_Box_-contains_integer_point, 1094
ppl_Pointset_Powerset_Double_Box_-contains_Pointset_Powerset_Double_-Box, 1095
ppl_Pointset_Powerset_Double_Box_-difference_assign, 1097
ppl_Pointset_Powerset_Double_Box_drop_-disjunct, 1101
ppl_Pointset_Powerset_Double_Box_drop_-disjuncts, 1101
ppl_Pointset_Powerset_Double_Box_drop_-some_non_integer_points, 1100
ppl_Pointset_Powerset_Double_Box_drop_-some_non_integer_points_2, 1100
ppl_Pointset_Powerset_Double_Box_equals_-Pointset_Powerset_Double_Box, 1096
ppl_Pointset_Powerset_Double_Box_-expand_space_dimension, 1100
ppl_Pointset_Powerset_Double_Box_-external_memory_in_bytes, 1100
ppl_Pointset_Powerset_Double_Box_fold_-space_dimensions, 1100
ppl_Pointset_Powerset_Double_Box_-generalized_affine_image, 1099
ppl_Pointset_Powerset_Double_Box_-generalized_affine_image_lhs_rhs, 1099
ppl_Pointset_Powerset_Double_Box_-generalized_affine_preimage, 1099
ppl_Pointset_Powerset_Double_Box_-generalized_affine_preimage_lhs_rhs, 1099
ppl_Pointset_Powerset_Double_Box_-geometrically_covers_Pointset_-Powerset_Double_Box, 1096
ppl_Pointset_Powerset_Double_Box_-geometrically_equals_Pointset_-Powerset_Double_Box, 1096
ppl_Pointset_Powerset_Double_Box_-intersection_assign, 1097
ppl_Pointset_Powerset_Double_Box_is_-bounded, 1094
ppl_Pointset_Powerset_Double_Box_is_-discrete, 1094
ppl_Pointset_Powerset_Double_Box_is_-disjoint_from_Pointset_Powerset_-Double_Box, 1095
ppl_Pointset_Powerset_Double_Box_is_-empty, 1093
ppl_Pointset_Powerset_Double_Box_is_-topologically_closed, 1094
ppl_Pointset_Powerset_Double_Box_is_-universe, 1094

ppl_Pointset_Powerset_Double_Box_map_-space_dimensions, 1100
ppl_Pointset_Powerset_Double_Box_-maximize, 1095
ppl_Pointset_Powerset_Double_Box_-maximize_with_point, 1095
ppl_Pointset_Powerset_Double_Box_-minimize, 1095
ppl_Pointset_Powerset_Double_Box_-minimize_with_point, 1095
ppl_Pointset_Powerset_Double_Box_OK, 1096
ppl_Pointset_Powerset_Double_Box_-omega_reduce, 1094
ppl_Pointset_Powerset_Double_Box_-pairwise_reduce, 1094
ppl_Pointset_Powerset_Double_Box_refine_-with_congruence, 1097
ppl_Pointset_Powerset_Double_Box_refine_-with_congruences, 1097
ppl_Pointset_Powerset_Double_Box_refine_-with_constraint, 1097
ppl_Pointset_Powerset_Double_Box_refine_-with_constraints, 1097
ppl_Pointset_Powerset_Double_Box_-relation_with_Congruence, 1093
ppl_Pointset_Powerset_Double_Box_-relation_with_Constraint, 1093
ppl_Pointset_Powerset_Double_Box_-relation_with_Generator, 1093
ppl_Pointset_Powerset_Double_Box_-remove_higher_space_dimensions, 1100
ppl_Pointset_Powerset_Double_Box_-remove_space_dimensions, 1100
ppl_Pointset_Powerset_Double_Box_-simplify_using_context_assign, 1098
ppl_Pointset_Powerset_Double_Box_size, 1101
ppl_Pointset_Powerset_Double_Box_space_-dimension, 1093
ppl_Pointset_Powerset_Double_Box_-strictly_contains_Pointset_Powerset_-Double_Box, 1095
ppl_Pointset_Powerset_Double_Box_time_-elapse_assign, 1098
ppl_Pointset_Powerset_Double_Box_-topological_closure_assign, 1094
ppl_Pointset_Powerset_Double_Box_total_-memory_in_bytes, 1101
ppl_Pointset_Powerset_Double_Box_-unconstrain_space_dimension, 1098
ppl_Pointset_Powerset_Double_Box_-unconstrain_space_dimensions, 1098
ppl_Pointset_Powerset_Double_Box_upper_-bound_assign, 1097
ppl_Pointset_Powerset_Double_Box_upper_-bound_assign_if_exact, 1098
ppl_Pointset_Powerset_Double_Box_time_-elapse_assign
ppl_Pointset_Powerset_Double_Box_tag, 1098
ppl_Pointset_Powerset_Double_Box_topological_-closure_assign
ppl_Pointset_Powerset_Double_Box_tag, 1094
ppl_Pointset_Powerset_Double_Box_total_-memory_in_bytes
ppl_Pointset_Powerset_Double_Box_tag, 1101
ppl_Pointset_Powerset_Double_Box_-unconstrain_space_dimension
ppl_Pointset_Powerset_Double_Box_tag, 1098
ppl_Pointset_Powerset_Double_Box_-unconstrain_space_dimensions
ppl_Pointset_Powerset_Double_Box_tag, 1098
ppl_Pointset_Powerset_Double_Box_upper_-bound_assign
ppl_Pointset_Powerset_Double_Box_tag, 1097
ppl_Pointset_Powerset_Double_Box_upper_-bound_assign_if_exact
ppl_Pointset_Powerset_Double_Box_tag, 1098
ppl_Pointset_Powerset_Float_Box_add_-congruence
ppl_Pointset_Powerset_Float_Box_tag, 1113
ppl_Pointset_Powerset_Float_Box_add_-congruences
ppl_Pointset_Powerset_Float_Box_tag, 1114
ppl_Pointset_Powerset_Float_Box_add_constraint
ppl_Pointset_Powerset_Float_Box_tag, 1113
ppl_Pointset_Powerset_Float_Box_add_constraints
ppl_Pointset_Powerset_Float_Box_tag, 1113
ppl_Pointset_Powerset_Float_Box_add_disjunct
ppl_Pointset_Powerset_Float_Box_tag, 1118
ppl_Pointset_Powerset_Float_Box_add_space_-dimensions_and_embed
ppl_Pointset_Powerset_Float_Box_tag, 1116
ppl_Pointset_Powerset_Float_Box_add_space_-dimensions_and_project
ppl_Pointset_Powerset_Float_Box_tag, 1117
ppl_Pointset_Powerset_Float_Box_affine_-dimension
ppl_Pointset_Powerset_Float_Box_tag, 1110
ppl_Pointset_Powerset_Float_Box_affine_image

ppl_Pointset_Powerset_Float_Box_tag, 1115
ppl_Pointset_Powerset_Float_Box_affine_-preimage
ppl_Pointset_Powerset_Float_Box_tag, 1116
ppl_Pointset_Powerset_Float_Box_ascii_dump
ppl_Pointset_Powerset_Float_Box_tag, 1119
ppl_Pointset_Powerset_Float_Box_ascii_load
ppl_Pointset_Powerset_Float_Box_tag, 1119
ppl_Pointset_Powerset_Float_Box_bounded_-affine_image
ppl_Pointset_Powerset_Float_Box_tag, 1116
ppl_Pointset_Powerset_Float_Box_bounded_-affine_preimage
ppl_Pointset_Powerset_Float_Box_tag, 1116
ppl_Pointset_Powerset_Float_Box_bounds_from_-above
ppl_Pointset_Powerset_Float_Box_tag, 1112
ppl_Pointset_Powerset_Float_Box_bounds_from_-below
ppl_Pointset_Powerset_Float_Box_tag, 1112
ppl_Pointset_Powerset_Float_Box_concatenate_-assign
ppl_Pointset_Powerset_Float_Box_tag, 1115
ppl_Pointset_Powerset_Float_Box_const_iterator_-begin
ppl_Pointset_Powerset_Float_Box_const_-iterator_tag, 1103
ppl_Pointset_Powerset_Float_Box_const_iterator_-decrement
ppl_Pointset_Powerset_Float_Box_const_-iterator_tag, 1103
ppl_Pointset_Powerset_Float_Box_const_iterator_-dereference
ppl_Pointset_Powerset_Float_Box_const_-iterator_tag, 1103
ppl_Pointset_Powerset_Float_Box_const_iterator_-end
ppl_Pointset_Powerset_Float_Box_const_-iterator_tag, 1103
ppl_Pointset_Powerset_Float_Box_const_iterator_-equal_test
ppl_Pointset_Powerset_Float_Box_const_-iterator_tag, 1103
ppl_Pointset_Powerset_Float_Box_const_iterator_-increment
ppl_Pointset_Powerset_Float_Box_const_-iterator_tag, 1103
ppl_Pointset_Powerset_Float_Box_const_iterator_-tag, 1102
ppl_delete_Pointset_Powerset_Float_Box_-const_iterator, 1103
ppl_new_Pointset_Powerset_Float_Box_-const_iterator, 1103
ppl_Pointset_Powerset_Float_Box_const_-iterator_begin, 1103
ppl_Pointset_Powerset_Float_Box_const_-iterator_decrement, 1103
ppl_Pointset_Powerset_Float_Box_const_-iterator_dereference, 1103
ppl_Pointset_Powerset_Float_Box_const_-iterator_end, 1103
ppl_Pointset_Powerset_Float_Box_const_-iterator_equal_test, 1103
ppl_Pointset_Powerset_Float_Box_const_-iterator_increment, 1103
ppl_Pointset_Powerset_Float_Box_constrains
ppl_Pointset_Powerset_Float_Box_tag, 1115
ppl_Pointset_Powerset_Float_Box_contains_-integer_point
ppl_Pointset_Powerset_Float_Box_tag, 1111
ppl_Pointset_Powerset_Float_Box_contains_-Pointset_Powerset_Float_Box
ppl_Pointset_Powerset_Float_Box_tag, 1112
ppl_Pointset_Powerset_Float_Box_difference_-assign
ppl_Pointset_Powerset_Float_Box_tag, 1114
ppl_Pointset_Powerset_Float_Box_drop_disjunct
ppl_Pointset_Powerset_Float_Box_tag, 1118
ppl_Pointset_Powerset_Float_Box_drop_disjuncts
ppl_Pointset_Powerset_Float_Box_tag, 1118
ppl_Pointset_Powerset_Float_Box_drop_some_-non_integer_points
ppl_Pointset_Powerset_Float_Box_tag, 1117
ppl_Pointset_Powerset_Float_Box_drop_some_-non_integer_points_2
ppl_Pointset_Powerset_Float_Box_tag, 1117
ppl_Pointset_Powerset_Float_Box_equals_-Pointset_Powerset_Float_Box
ppl_Pointset_Powerset_Float_Box_tag, 1113
ppl_Pointset_Powerset_Float_Box_expand_-space_dimension
ppl_Pointset_Powerset_Float_Box_tag, 1117
ppl_Pointset_Powerset_Float_Box_external_-memory_in_bytes
ppl_Pointset_Powerset_Float_Box_tag, 1118
ppl_Pointset_Powerset_Float_Box_fold_space_-dimensions
ppl_Pointset_Powerset_Float_Box_tag, 1117
ppl_Pointset_Powerset_Float_Box_generalized_-affine_image
ppl_Pointset_Powerset_Float_Box_tag, 1116
ppl_Pointset_Powerset_Float_Box_generalized_-affine_image_lhs_rhs
ppl_Pointset_Powerset_Float_Box_tag, 1116
ppl_Pointset_Powerset_Float_Box_generalized_-affine_preimage
ppl_Pointset_Powerset_Float_Box_tag, 1116

ppl_Pointset_Powerset_Float_Box_generalized_-
affine_preimage_lhs_rhs
ppl_Pointset_Powerset_Float_Box_tag, 1116
ppl_Pointset_Powerset_Float_Box_geometrically_-
covers_Pointset_Powerset_Float_Box
ppl_Pointset_Powerset_Float_Box_tag, 1113
ppl_Pointset_Powerset_Float_Box_geometrically_-
equals_Pointset_Powerset_Float_Box
ppl_Pointset_Powerset_Float_Box_tag, 1113
ppl_Pointset_Powerset_Float_Box_intersection_-
assign
ppl_Pointset_Powerset_Float_Box_tag, 1114
ppl_Pointset_Powerset_Float_Box_is_bounded
ppl_Pointset_Powerset_Float_Box_tag, 1111
ppl_Pointset_Powerset_Float_Box_is_discrete
ppl_Pointset_Powerset_Float_Box_tag, 1111
ppl_Pointset_Powerset_Float_Box_is_disjoint_-
from_Pointset_Powerset_Float_Box
ppl_Pointset_Powerset_Float_Box_tag, 1113
ppl_Pointset_Powerset_Float_Box_is_empty
ppl_Pointset_Powerset_Float_Box_tag, 1111
ppl_Pointset_Powerset_Float_Box_is_-
topologically_closed
ppl_Pointset_Powerset_Float_Box_tag, 1111
ppl_Pointset_Powerset_Float_Box_is_universe
ppl_Pointset_Powerset_Float_Box_tag, 1111
ppl_Pointset_Powerset_Float_Box_iterator_begin
ppl_Pointset_Powerset_Float_Box_iterator_-
tag, 1105
ppl_Pointset_Powerset_Float_Box_iterator_-
decrement
ppl_Pointset_Powerset_Float_Box_iterator_-
tag, 1105
ppl_Pointset_Powerset_Float_Box_iterator_-
dereference
ppl_Pointset_Powerset_Float_Box_iterator_-
tag, 1105
ppl_Pointset_Powerset_Float_Box_iterator_end
ppl_Pointset_Powerset_Float_Box_iterator_-
tag, 1105
ppl_Pointset_Powerset_Float_Box_iterator_-
equal_test
ppl_Pointset_Powerset_Float_Box_iterator_-
tag, 1105
ppl_Pointset_Powerset_Float_Box_iterator_-
increment
ppl_Pointset_Powerset_Float_Box_iterator_-
tag, 1105
ppl_Pointset_Powerset_Float_Box_iterator_tag,
1104
ppl_delete_Pointset_Powerset_Float_Box_-
iterator, 1105
ppl_new_Pointset_Powerset_Float_Box_-
iterator, 1104
ppl_new_Pointset_Powerset_Float_Box_-
iterator_from_iterator, 1104
ppl_Pointset_Powerset_Float_Box_iterator_-
begin, 1105
ppl_Pointset_Powerset_Float_Box_iterator_-
decrement, 1105
ppl_Pointset_Powerset_Float_Box_iterator_-
dereference, 1105
ppl_Pointset_Powerset_Float_Box_iterator_-
end, 1105
ppl_Pointset_Powerset_Float_Box_iterator_-
equal_test, 1105
ppl_Pointset_Powerset_Float_Box_iterator_-
increment, 1105
ppl_Pointset_Powerset_Float_Box_map_space_-
dimensions
ppl_Pointset_Powerset_Float_Box_tag, 1117
ppl_Pointset_Powerset_Float_Box_maximize
ppl_Pointset_Powerset_Float_Box_tag, 1112
ppl_Pointset_Powerset_Float_Box_maximize_-
with_point
ppl_Pointset_Powerset_Float_Box_tag, 1112
ppl_Pointset_Powerset_Float_Box_minimize
ppl_Pointset_Powerset_Float_Box_tag, 1112
ppl_Pointset_Powerset_Float_Box_minimize_-
with_point
ppl_Pointset_Powerset_Float_Box_tag, 1112
ppl_Pointset_Powerset_Float_Box_OK
ppl_Pointset_Powerset_Float_Box_tag, 1113
ppl_Pointset_Powerset_Float_Box_omega_reduce
ppl_Pointset_Powerset_Float_Box_tag, 1111
ppl_Pointset_Powerset_Float_Box_pairwise_-
reduce
ppl_Pointset_Powerset_Float_Box_tag, 1111
ppl_Pointset_Powerset_Float_Box_refine_with_-
congruence
ppl_Pointset_Powerset_Float_Box_tag, 1114
ppl_Pointset_Powerset_Float_Box_refine_with_-
congruences
ppl_Pointset_Powerset_Float_Box_tag, 1114
ppl_Pointset_Powerset_Float_Box_refine_with_-
constraint
ppl_Pointset_Powerset_Float_Box_tag, 1114
ppl_Pointset_Powerset_Float_Box_refine_with_-
constraints
ppl_Pointset_Powerset_Float_Box_tag, 1114
ppl_Pointset_Powerset_Float_Box_relation_with_-
Congruence
ppl_Pointset_Powerset_Float_Box_tag, 1110
ppl_Pointset_Powerset_Float_Box_relation_with_-
Constraint
ppl_Pointset_Powerset_Float_Box_tag, 1110
ppl_Pointset_Powerset_Float_Box_relation_with_-
Generator

ppl_Pointset_Powerset_Float_Box_tag, 1110
ppl_Pointset_Powerset_Float_Box_remove_-higher_space_dimensions
ppl_Pointset_Powerset_Float_Box_tag, 1117
ppl_Pointset_Powerset_Float_Box_remove_-space_dimensions
ppl_Pointset_Powerset_Float_Box_tag, 1117
ppl_Pointset_Powerset_Float_Box_simplify_-using_context_assign
ppl_Pointset_Powerset_Float_Box_tag, 1115
ppl_Pointset_Powerset_Float_Box_size
ppl_Pointset_Powerset_Float_Box_tag, 1118
ppl_Pointset_Powerset_Float_Box_space_-dimension
ppl_Pointset_Powerset_Float_Box_tag, 1110
ppl_Pointset_Powerset_Float_Box_strictly_-contains_Pointset_Powerset_Float_Box
ppl_Pointset_Powerset_Float_Box_tag, 1112
ppl_Pointset_Powerset_Float_Box_tag, 1106
ppl_delete_Pointset_Powerset_Float_Box, 1109
ppl_io_asprint_Pointset_Powerset_Float_Box, 1118
ppl_io_fprint_Pointset_Powerset_Float_Box, 1118
ppl_io_print_Pointset_Powerset_Float_Box, 1118
ppl_new_Pointset_Powerset_Float_Box_-from_Congruence_System, 1110
ppl_new_Pointset_Powerset_Float_Box_-from_Constraint_System, 1110
ppl_new_Pointset_Powerset_Float_Box_-from_Float_Box, 1109
ppl_new_Pointset_Powerset_Float_Box_-from_Float_Box_with_complexity, 1110
ppl_new_Pointset_Powerset_Float_Box_-from_Pointset_Powerset_Float_Box, 1109
ppl_new_Pointset_Powerset_Float_Box_-from_space_dimension, 1109
ppl_Pointset_Powerset_Float_Box_add_-congruence, 1113
ppl_Pointset_Powerset_Float_Box_add_-congruences, 1114
ppl_Pointset_Powerset_Float_Box_add_-constraint, 1113
ppl_Pointset_Powerset_Float_Box_add_-constraints, 1113
ppl_Pointset_Powerset_Float_Box_add_-disjunct, 1118
ppl_Pointset_Powerset_Float_Box_add_-space_dimensions_and_embed, 1116
ppl_Pointset_Powerset_Float_Box_add_-space_dimensions_and_project, 1117
ppl_Pointset_Powerset_Float_Box_affine_-dimension, 1110
ppl_Pointset_Powerset_Float_Box_affine_-image, 1115
ppl_Pointset_Powerset_Float_Box_affine_-preimage, 1116
ppl_Pointset_Powerset_Float_Box_ascii_-dump, 1119
ppl_Pointset_Powerset_Float_Box_ascii_load, 1119
ppl_Pointset_Powerset_Float_Box_bounded_-affine_image, 1116
ppl_Pointset_Powerset_Float_Box_bounded_-affine_preimage, 1116
ppl_Pointset_Powerset_Float_Box_bounds_-from_above, 1112
ppl_Pointset_Powerset_Float_Box_bounds_-from_below, 1112
ppl_Pointset_Powerset_Float_Box_-concatenate_assign, 1115
ppl_Pointset_Powerset_Float_Box_constrains, 1115
ppl_Pointset_Powerset_Float_Box_contains_-integer_point, 1111
ppl_Pointset_Powerset_Float_Box_contains_-Pointset_Powerset_Float_Box, 1112
ppl_Pointset_Powerset_Float_Box_-difference_assign, 1114
ppl_Pointset_Powerset_Float_Box_drop_-disjunct, 1118
ppl_Pointset_Powerset_Float_Box_drop_-disjuncts, 1118
ppl_Pointset_Powerset_Float_Box_drop_-some_non_integer_points, 1117
ppl_Pointset_Powerset_Float_Box_drop_-some_non_integer_points_2, 1117
ppl_Pointset_Powerset_Float_Box_equals_-Pointset_Powerset_Float_Box, 1113
ppl_Pointset_Powerset_Float_Box_expand_-space_dimension, 1117
ppl_Pointset_Powerset_Float_Box_external_-memory_in_bytes, 1118
ppl_Pointset_Powerset_Float_Box_fold_-space_dimensions, 1117
ppl_Pointset_Powerset_Float_Box_-generalized_affine_image, 1116
ppl_Pointset_Powerset_Float_Box_-generalized_affine_image_lhs_rhs, 1116
ppl_Pointset_Powerset_Float_Box_-generalized_affine_preimage, 1116
ppl_Pointset_Powerset_Float_Box_-generalized_affine_preimage_lhs_rhs, 1116

ppl_Pointset_Powerset_Float_Box_-
geometrically_covers_Pointset_-
Powerset_Float_Box, 1113
ppl_Pointset_Powerset_Float_Box_-
geometrically_equals_Pointset_-
Powerset_Float_Box, 1113
ppl_Pointset_Powerset_Float_Box_-
intersection_assign, 1114
ppl_Pointset_Powerset_Float_Box_is_-
bounded, 1111
ppl_Pointset_Powerset_Float_Box_is_-
discrete, 1111
ppl_Pointset_Powerset_Float_Box_is_-
disjoint_from_Pointset_Powerset_Float_-
Box, 1113
ppl_Pointset_Powerset_Float_Box_is_empty,
1111
ppl_Pointset_Powerset_Float_Box_is_-
topologically_closed, 1111
ppl_Pointset_Powerset_Float_Box_is_-
universe, 1111
ppl_Pointset_Powerset_Float_Box_map_-
space_dimensions, 1117
ppl_Pointset_Powerset_Float_Box_maximize,
1112
ppl_Pointset_Powerset_Float_Box_-
maximize_with_point, 1112
ppl_Pointset_Powerset_Float_Box_minimize,
1112
ppl_Pointset_Powerset_Float_Box_-
minimize_with_point, 1112
ppl_Pointset_Powerset_Float_Box_OK, 1113
ppl_Pointset_Powerset_Float_Box_omega_-
reduce, 1111
ppl_Pointset_Powerset_Float_Box_pairwise_-
reduce, 1111
ppl_Pointset_Powerset_Float_Box_refine_-
with_congruence, 1114
ppl_Pointset_Powerset_Float_Box_refine_-
with_congruences, 1114
ppl_Pointset_Powerset_Float_Box_refine_-
with_constraint, 1114
ppl_Pointset_Powerset_Float_Box_refine_-
with_constraints, 1114
ppl_Pointset_Powerset_Float_Box_relation_-
with_Congruence, 1110
ppl_Pointset_Powerset_Float_Box_relation_-
with_Constraint, 1110
ppl_Pointset_Powerset_Float_Box_relation_-
with_Generator, 1110
ppl_Pointset_Powerset_Float_Box_remove_-
higher_space_dimensions, 1117
ppl_Pointset_Powerset_Float_Box_remove_-
space_dimensions, 1117
ppl_Pointset_Powerset_Float_Box_simplify_-
using_context_assign, 1115
ppl_Pointset_Powerset_Float_Box_size, 1118
ppl_Pointset_Powerset_Float_Box_space_-
dimension, 1110
ppl_Pointset_Powerset_Float_Box_strictly_-
contains_Pointset_Powerset_Float_Box,
1112
ppl_Pointset_Powerset_Float_Box_time_-
elapse_assign, 1115
ppl_Pointset_Powerset_Float_Box_-
topological_closure_assign, 1111
ppl_Pointset_Powerset_Float_Box_total_-
memory_in_bytes, 1118
ppl_Pointset_Powerset_Float_Box_-
unconstrain_space_dimension, 1115
ppl_Pointset_Powerset_Float_Box_-
unconstrain_space_dimensions, 1115
ppl_Pointset_Powerset_Float_Box_upper_-
bound_assign, 1114
ppl_Pointset_Powerset_Float_Box_upper_-
bound_assign_if_exact, 1115
ppl_Pointset_Powerset_Float_Box_time_elapse_-
assign
ppl_Pointset_Powerset_Float_Box_tag, 1115
ppl_Pointset_Powerset_Float_Box_topological_-
closure_assign
ppl_Pointset_Powerset_Float_Box_tag, 1111
ppl_Pointset_Powerset_Float_Box_total_-
memory_in_bytes
ppl_Pointset_Powerset_Float_Box_tag, 1118
ppl_Pointset_Powerset_Float_Box_unconstrain_-
space_dimension
ppl_Pointset_Powerset_Float_Box_tag, 1115
ppl_Pointset_Powerset_Float_Box_unconstrain_-
space_dimensions
ppl_Pointset_Powerset_Float_Box_tag, 1115
ppl_Pointset_Powerset_Float_Box_upper_bound_-
assign
ppl_Pointset_Powerset_Float_Box_tag, 1114
ppl_Pointset_Powerset_Float_Box_upper_bound_-
assign_if_exact
ppl_Pointset_Powerset_Float_Box_tag, 1115
ppl_Pointset_Powerset_Grid_add_congruence
ppl_Pointset_Powerset_Grid_tag, 1130
ppl_Pointset_Powerset_Grid_add_congruences
ppl_Pointset_Powerset_Grid_tag, 1130
ppl_Pointset_Powerset_Grid_add_constraint
ppl_Pointset_Powerset_Grid_tag, 1130
ppl_Pointset_Powerset_Grid_add_constraints
ppl_Pointset_Powerset_Grid_tag, 1130
ppl_Pointset_Powerset_Grid_add_disjunct
ppl_Pointset_Powerset_Grid_tag, 1134

ppl_Pointset_Powerset_Grid_add_space_-dimensions_and_embed
ppl_Pointset_Powerset_Grid_tag, 1133
ppl_Pointset_Powerset_Grid_add_space_-dimensions_and_project
ppl_Pointset_Powerset_Grid_tag, 1133
ppl_Pointset_Powerset_Grid_affine_dimension
ppl_Pointset_Powerset_Grid_tag, 1127
ppl_Pointset_Powerset_Grid_affine_image
ppl_Pointset_Powerset_Grid_tag, 1132
ppl_Pointset_Powerset_Grid_affine_preimage
ppl_Pointset_Powerset_Grid_tag, 1132
ppl_Pointset_Powerset_Grid_ascii_dump
ppl_Pointset_Powerset_Grid_tag, 1136
ppl_Pointset_Powerset_Grid_ascii_load
ppl_Pointset_Powerset_Grid_tag, 1136
ppl_Pointset_Powerset_Grid_BGP99_-congruence_extrapolation_assign
ppl_Pointset_Powerset_Grid_tag, 1135
ppl_Pointset_Powerset_Grid_BGP99_generator_-extrapolation_assign
ppl_Pointset_Powerset_Grid_tag, 1135
ppl_Pointset_Powerset_Grid_BHZ03_Grid_-congruence_widening_assign
ppl_Pointset_Powerset_Grid_tag, 1135
ppl_Pointset_Powerset_Grid_BHZ03_Grid_-generator_widening_assign
ppl_Pointset_Powerset_Grid_tag, 1135
ppl_Pointset_Powerset_Grid_bounded_affine_-image
ppl_Pointset_Powerset_Grid_tag, 1132
ppl_Pointset_Powerset_Grid_bounded_affine_-preimage
ppl_Pointset_Powerset_Grid_tag, 1132
ppl_Pointset_Powerset_Grid_bounds_from_above
ppl_Pointset_Powerset_Grid_tag, 1128
ppl_Pointset_Powerset_Grid_bounds_from_below
ppl_Pointset_Powerset_Grid_tag, 1128
ppl_Pointset_Powerset_Grid_concatenate_assign
ppl_Pointset_Powerset_Grid_tag, 1131
ppl_Pointset_Powerset_Grid_const_iterator_begin
ppl_Pointset_Powerset_Grid_const_iterator_-tag, 1120
ppl_Pointset_Powerset_Grid_const_iterator_-decrement
ppl_Pointset_Powerset_Grid_const_iterator_-tag, 1120
ppl_Pointset_Powerset_Grid_const_iterator_-dereference
ppl_Pointset_Powerset_Grid_const_iterator_-tag, 1120
ppl_Pointset_Powerset_Grid_const_iterator_end
ppl_Pointset_Powerset_Grid_const_iterator_-tag, 1120
ppl_Pointset_Powerset_Grid_const_iterator_-equal_test
ppl_Pointset_Powerset_Grid_const_iterator_-tag, 1120
ppl_Pointset_Powerset_Grid_const_iterator_-increment
ppl_Pointset_Powerset_Grid_const_iterator_-tag, 1120
ppl_Pointset_Powerset_Grid_const_iterator_tag, 1119
ppl_delete_Pointset_Powerset_Grid_const_-iterator, 1120
ppl_new_Pointset_Powerset_Grid_const_-iterator, 1120
ppl_new_Pointset_Powerset_Grid_const_-iterator_from_const_iterator, 1120
ppl_Pointset_Powerset_Grid_const_iterator_-begin, 1120
ppl_Pointset_Powerset_Grid_const_iterator_-decrement, 1120
ppl_Pointset_Powerset_Grid_const_iterator_-dereference, 1120
ppl_Pointset_Powerset_Grid_const_iterator_-end, 1120
ppl_Pointset_Powerset_Grid_const_iterator_-equal_test, 1120
ppl_Pointset_Powerset_Grid_const_iterator_-increment, 1120
ppl_Pointset_Powerset_Grid_constrains
ppl_Pointset_Powerset_Grid_tag, 1132
ppl_Pointset_Powerset_Grid_contains_integer_-point
ppl_Pointset_Powerset_Grid_tag, 1128
ppl_Pointset_Powerset_Grid_contains_Pointset_-Powerset_Grid
ppl_Pointset_Powerset_Grid_tag, 1129
ppl_Pointset_Powerset_Grid_difference_assign
ppl_Pointset_Powerset_Grid_tag, 1131
ppl_Pointset_Powerset_Grid_drop_disjunct
ppl_Pointset_Powerset_Grid_tag, 1134
ppl_Pointset_Powerset_Grid_drop_disjuncts
ppl_Pointset_Powerset_Grid_tag, 1135
ppl_Pointset_Powerset_Grid_drop_some_non_-integer_points
ppl_Pointset_Powerset_Grid_tag, 1134
ppl_Pointset_Powerset_Grid_drop_some_non_-integer_points_2
ppl_Pointset_Powerset_Grid_tag, 1134
ppl_Pointset_Powerset_Grid_equals_Pointset_-Powerset_Grid
ppl_Pointset_Powerset_Grid_tag, 1130
ppl_Pointset_Powerset_Grid_expand_space_-dimension
ppl_Pointset_Powerset_Grid_tag, 1133

ppl_Pointset_Powerset_Grid_external_memory_-in_bytes
ppl_Pointset_Powerset_Grid_tag, 1134
ppl_Pointset_Powerset_Grid_fold_space_-dimensions
ppl_Pointset_Powerset_Grid_tag, 1134
ppl_Pointset_Powerset_Grid_generalized_affine_-image
ppl_Pointset_Powerset_Grid_tag, 1132
ppl_Pointset_Powerset_Grid_generalized_affine_-image_lhs_rhs
ppl_Pointset_Powerset_Grid_tag, 1133
ppl_Pointset_Powerset_Grid_generalized_affine_-preimage
ppl_Pointset_Powerset_Grid_tag, 1133
ppl_Pointset_Powerset_Grid_generalized_affine_-preimage_lhs_rhs
ppl_Pointset_Powerset_Grid_tag, 1133
ppl_Pointset_Powerset_Grid_geometrically_-covers_Pointset_Powerset_Grid
ppl_Pointset_Powerset_Grid_tag, 1129
ppl_Pointset_Powerset_Grid_geometrically_-equals_Pointset_Powerset_Grid
ppl_Pointset_Powerset_Grid_tag, 1130
ppl_Pointset_Powerset_Grid_intersection_assign
ppl_Pointset_Powerset_Grid_tag, 1131
ppl_Pointset_Powerset_Grid_is_bounded
ppl_Pointset_Powerset_Grid_tag, 1128
ppl_Pointset_Powerset_Grid_is_discrete
ppl_Pointset_Powerset_Grid_tag, 1128
ppl_Pointset_Powerset_Grid_is_disjoint_from_-Pointset_Powerset_Grid
ppl_Pointset_Powerset_Grid_tag, 1129
ppl_Pointset_Powerset_Grid_is_empty
ppl_Pointset_Powerset_Grid_tag, 1127
ppl_Pointset_Powerset_Grid_is_topologically_-closed
ppl_Pointset_Powerset_Grid_tag, 1128
ppl_Pointset_Powerset_Grid_is_universe
ppl_Pointset_Powerset_Grid_tag, 1127
ppl_Pointset_Powerset_Grid_iterator_begin
ppl_Pointset_Powerset_Grid_iterator_tag, 1121
ppl_Pointset_Powerset_Grid_iterator_decrement
ppl_Pointset_Powerset_Grid_iterator_tag, 1122
ppl_Pointset_Powerset_Grid_iterator_dereference
ppl_Pointset_Powerset_Grid_iterator_tag, 1122
ppl_Pointset_Powerset_Grid_iterator_end
ppl_Pointset_Powerset_Grid_iterator_tag, 1122
ppl_Pointset_Powerset_Grid_iterator_equal_test
ppl_Pointset_Powerset_Grid_iterator_tag, 1122
ppl_Pointset_Powerset_Grid_iterator_increment
ppl_Pointset_Powerset_Grid_iterator_tag, 1122
ppl_Pointset_Powerset_Grid_iterator_tag, 1121
ppl_delete_Pointset_Powerset_Grid_iterator, 1122
ppl_new_Pointset_Powerset_Grid_iterator, 1121
ppl_new_Pointset_Powerset_Grid_iterator_-from_iterator, 1121
ppl_Pointset_Powerset_Grid_iterator_begin, 1121
ppl_Pointset_Powerset_Grid_iterator_-decrement, 1122
ppl_Pointset_Powerset_Grid_iterator_-dereference, 1122
ppl_Pointset_Powerset_Grid_iterator_end, 1122
ppl_Pointset_Powerset_Grid_iterator_equal_-test, 1122
ppl_Pointset_Powerset_Grid_iterator_-increment, 1122
ppl_Pointset_Powerset_Grid_map_space_-dimensions
ppl_Pointset_Powerset_Grid_tag, 1134
ppl_Pointset_Powerset_Grid_maximize
ppl_Pointset_Powerset_Grid_tag, 1129
ppl_Pointset_Powerset_Grid_maximize_with_-point
ppl_Pointset_Powerset_Grid_tag, 1129
ppl_Pointset_Powerset_Grid_minimize
ppl_Pointset_Powerset_Grid_tag, 1129
ppl_Pointset_Powerset_Grid_minimize_with_point
ppl_Pointset_Powerset_Grid_tag, 1129
ppl_Pointset_Powerset_Grid_OK
ppl_Pointset_Powerset_Grid_tag, 1130
ppl_Pointset_Powerset_Grid_omega_reduce
ppl_Pointset_Powerset_Grid_tag, 1128
ppl_Pointset_Powerset_Grid_pairwise_reduce
ppl_Pointset_Powerset_Grid_tag, 1128
ppl_Pointset_Powerset_Grid_refine_with_-congruence
ppl_Pointset_Powerset_Grid_tag, 1130
ppl_Pointset_Powerset_Grid_refine_with_-congruences
ppl_Pointset_Powerset_Grid_tag, 1131
ppl_Pointset_Powerset_Grid_refine_with_-constraint
ppl_Pointset_Powerset_Grid_tag, 1130
ppl_Pointset_Powerset_Grid_refine_with_-constraints
ppl_Pointset_Powerset_Grid_tag, 1131

ppl_Pointset_Powerset_Grid_relation_with_-
Congruence
ppl_Pointset_Powerset_Grid_tag, 1127
ppl_Pointset_Powerset_Grid_relation_with_-
Constraint
ppl_Pointset_Powerset_Grid_tag, 1127
ppl_Pointset_Powerset_Grid_relation_with_-
Generator
ppl_Pointset_Powerset_Grid_tag, 1127
ppl_Pointset_Powerset_Grid_remove_higher_-
space_dimensions
ppl_Pointset_Powerset_Grid_tag, 1133
ppl_Pointset_Powerset_Grid_remove_space_-
dimensions
ppl_Pointset_Powerset_Grid_tag, 1133
ppl_Pointset_Powerset_Grid_simplify_using_-
context_assign
ppl_Pointset_Powerset_Grid_tag, 1131
ppl_Pointset_Powerset_Grid_size
ppl_Pointset_Powerset_Grid_tag, 1134
ppl_Pointset_Powerset_Grid_space_dimension
ppl_Pointset_Powerset_Grid_tag, 1127
ppl_Pointset_Powerset_Grid_strictly_contains_-
Pointset_Powerset_Grid
ppl_Pointset_Powerset_Grid_tag, 1129
ppl_Pointset_Powerset_Grid_tag, 1122
ppl_delete_Pointset_Powerset_Grid, 1126
ppl_io_asprint_Pointset_Powerset_Grid, 1135
ppl_io_fprint_Pointset_Powerset_Grid, 1135
ppl_io_print_Pointset_Powerset_Grid, 1135
ppl_new_Pointset_Powerset_Grid_from_-
Congruence_System, 1127
ppl_new_Pointset_Powerset_Grid_from_-
Constraint_System, 1127
ppl_new_Pointset_Powerset_Grid_from_Grid,
1126
ppl_new_Pointset_Powerset_Grid_from_-
Grid_with_complexity, 1126
ppl_new_Pointset_Powerset_Grid_from_-
Pointset_Powerset_Grid, 1126
ppl_new_Pointset_Powerset_Grid_from_-
Pointset_Powerset_Grid_with_-
complexity, 1126
ppl_new_Pointset_Powerset_Grid_from_-
space_dimension, 1126
ppl_Pointset_Powerset_Grid_add_-
congruence, 1130
ppl_Pointset_Powerset_Grid_add_-
congruences, 1130
ppl_Pointset_Powerset_Grid_add_constraint,
1130
ppl_Pointset_Powerset_Grid_add_constraints,
1130
ppl_Pointset_Powerset_Grid_add_disjunct,
1134
ppl_Pointset_Powerset_Grid_add_space_-
dimensions_and_embed, 1133
ppl_Pointset_Powerset_Grid_add_space_-
dimensions_and_project, 1133
ppl_Pointset_Powerset_Grid_affine_-
dimension, 1127
ppl_Pointset_Powerset_Grid_affine_image,
1132
ppl_Pointset_Powerset_Grid_affine_preimage,
1132
ppl_Pointset_Powerset_Grid_ascii_dump,
1136
ppl_Pointset_Powerset_Grid_ascii_load, 1136
ppl_Pointset_Powerset_Grid_BGP99_-
congruence_extrapolation_assign, 1135
ppl_Pointset_Powerset_Grid_BGP99_-
generator_extrapolation_assign, 1135
ppl_Pointset_Powerset_Grid_BHZ03_Grid_-
congruence_widening_assign, 1135
ppl_Pointset_Powerset_Grid_BHZ03_Grid_-
generator_widening_assign, 1135
ppl_Pointset_Powerset_Grid_bounded_-
affine_image, 1132
ppl_Pointset_Powerset_Grid_bounded_-
affine_preimage, 1132
ppl_Pointset_Powerset_Grid_bounds_from_-
above, 1128
ppl_Pointset_Powerset_Grid_bounds_from_-
below, 1128
ppl_Pointset_Powerset_Grid_concatenate_-
assign, 1131
ppl_Pointset_Powerset_Grid_constrains, 1132
ppl_Pointset_Powerset_Grid_contains_-
integer_point, 1128
ppl_Pointset_Powerset_Grid_contains_-
Pointset_Powerset_Grid, 1129
ppl_Pointset_Powerset_Grid_difference_-
assign, 1131
ppl_Pointset_Powerset_Grid_drop_disjunct,
1134
ppl_Pointset_Powerset_Grid_drop_disjuncts,
1135
ppl_Pointset_Powerset_Grid_drop_some_-
non_integer_points, 1134
ppl_Pointset_Powerset_Grid_drop_some_-
non_integer_points_2, 1134
ppl_Pointset_Powerset_Grid_equals_-
Pointset_Powerset_Grid, 1130
ppl_Pointset_Powerset_Grid_expand_space_-
dimension, 1133
ppl_Pointset_Powerset_Grid_external_-
memory_in_bytes, 1134

ppl_Pointset_Powerset_Grid_fold_space_dimensions, 1134
ppl_Pointset_Powerset_Grid_generalized_affine_image, 1132
ppl_Pointset_Powerset_Grid_generalized_affine_image_lhs_rhs, 1133
ppl_Pointset_Powerset_Grid_generalized_affine_preimage, 1133
ppl_Pointset_Powerset_Grid_generalized_affine_preimage_lhs_rhs, 1133
ppl_Pointset_Powerset_Grid_geometrically_covers_Pointset_Powerset_Grid, 1129
ppl_Pointset_Powerset_Grid_geometrically_equals_Pointset_Powerset_Grid, 1130
ppl_Pointset_Powerset_Grid_intersection_assign, 1131
ppl_Pointset_Powerset_Grid_is_bounded, 1128
ppl_Pointset_Powerset_Grid_is_discrete, 1128
ppl_Pointset_Powerset_Grid_is_disjoint_from_Pointset_Powerset_Grid, 1129
ppl_Pointset_Powerset_Grid_is_empty, 1127
ppl_Pointset_Powerset_Grid_is_topologically_closed, 1128
ppl_Pointset_Powerset_Grid_is_universe, 1127
ppl_Pointset_Powerset_Grid_map_space_dimensions, 1134
ppl_Pointset_Powerset_Grid_maximize, 1129
ppl_Pointset_Powerset_Grid_maximize_with_point, 1129
ppl_Pointset_Powerset_Grid_minimize, 1129
ppl_Pointset_Powerset_Grid_minimize_with_point, 1129
ppl_Pointset_Powerset_Grid_OK, 1130
ppl_Pointset_Powerset_Grid_omega_reduce, 1128
ppl_Pointset_Powerset_Grid_pairwise_reduce, 1128
ppl_Pointset_Powerset_Grid_refine_with_congruence, 1130
ppl_Pointset_Powerset_Grid_refine_with_congruences, 1131
ppl_Pointset_Powerset_Grid_refine_with_constraint, 1130
ppl_Pointset_Powerset_Grid_refine_with_constraints, 1131
ppl_Pointset_Powerset_Grid_relation_with_Congruence, 1127
ppl_Pointset_Powerset_Grid_relation_with_Constraint, 1127
ppl_Pointset_Powerset_Grid_relation_with_Generator, 1127
ppl_Pointset_Powerset_Grid_remove_higher_space_dimensions, 1133
ppl_Pointset_Powerset_Grid_remove_space_dimensions, 1133
ppl_Pointset_Powerset_Grid_simplify_using_context_assign, 1131
ppl_Pointset_Powerset_Grid_size, 1134
ppl_Pointset_Powerset_Grid_space_dimension, 1127
ppl_Pointset_Powerset_Grid_strictly_contains_Pointset_Powerset_Grid, 1129
ppl_Pointset_Powerset_Grid_time_elapse_assign, 1131
ppl_Pointset_Powerset_Grid_topological_closure_assign, 1128
ppl_Pointset_Powerset_Grid_total_memory_in_bytes, 1134
ppl_Pointset_Powerset_Grid_unconstrain_space_dimension, 1132
ppl_Pointset_Powerset_Grid_unconstrain_space_dimensions, 1132
ppl_Pointset_Powerset_Grid_upper_bound_assign, 1131
ppl_Pointset_Powerset_Grid_upper_bound_assign_if_exact, 1131
ppl_Pointset_Powerset_Grid_time_elapse_assign
ppl_Pointset_Powerset_Grid_tag, 1131
ppl_Pointset_Powerset_Grid_topological_closure_assign
ppl_Pointset_Powerset_Grid_tag, 1128
ppl_Pointset_Powerset_Grid_total_memory_in_bytes
ppl_Pointset_Powerset_Grid_tag, 1134
ppl_Pointset_Powerset_Grid_unconstrain_space_dimension
ppl_Pointset_Powerset_Grid_tag, 1132
ppl_Pointset_Powerset_Grid_unconstrain_space_dimensions
ppl_Pointset_Powerset_Grid_tag, 1132
ppl_Pointset_Powerset_Grid_upper_bound_assign
ppl_Pointset_Powerset_Grid_tag, 1131
ppl_Pointset_Powerset_Grid_upper_bound_assign_if_exact
ppl_Pointset_Powerset_Grid_tag, 1131
ppl_Pointset_Powerset_Int16_Box_add_congruence
ppl_Pointset_Powerset_Int16_Box_tag, 1147
ppl_Pointset_Powerset_Int16_Box_add_congruences
ppl_Pointset_Powerset_Int16_Box_tag, 1148
ppl_Pointset_Powerset_Int16_Box_add_constraint
ppl_Pointset_Powerset_Int16_Box_tag, 1147
ppl_Pointset_Powerset_Int16_Box_add_constraints

ppl_Pointset_Powerset_Int16_Box_tag, 1148
ppl_Pointset_Powerset_Int16_Box_add_disjunct
ppl_Pointset_Powerset_Int16_Box_tag, 1152
ppl_Pointset_Powerset_Int16_Box_add_space_-dimensions_and_embed
ppl_Pointset_Powerset_Int16_Box_tag, 1151
ppl_Pointset_Powerset_Int16_Box_add_space_-dimensions_and_project
ppl_Pointset_Powerset_Int16_Box_tag, 1151
ppl_Pointset_Powerset_Int16_Box_affine_-dimension
ppl_Pointset_Powerset_Int16_Box_tag, 1144
ppl_Pointset_Powerset_Int16_Box_affine_image
ppl_Pointset_Powerset_Int16_Box_tag, 1150
ppl_Pointset_Powerset_Int16_Box_affine_-preimage
ppl_Pointset_Powerset_Int16_Box_tag, 1150
ppl_Pointset_Powerset_Int16_Box_ascii_dump
ppl_Pointset_Powerset_Int16_Box_tag, 1153
ppl_Pointset_Powerset_Int16_Box_ascii_load
ppl_Pointset_Powerset_Int16_Box_tag, 1153
ppl_Pointset_Powerset_Int16_Box_bounded_-affine_image
ppl_Pointset_Powerset_Int16_Box_tag, 1150
ppl_Pointset_Powerset_Int16_Box_bounded_-affine_preimage
ppl_Pointset_Powerset_Int16_Box_tag, 1150
ppl_Pointset_Powerset_Int16_Box_bounds_from_-above
ppl_Pointset_Powerset_Int16_Box_tag, 1146
ppl_Pointset_Powerset_Int16_Box_bounds_from_-below
ppl_Pointset_Powerset_Int16_Box_tag, 1146
ppl_Pointset_Powerset_Int16_Box_concatenate_-assign
ppl_Pointset_Powerset_Int16_Box_tag, 1149
ppl_Pointset_Powerset_Int16_Box_const_-iterator_begin
ppl_Pointset_Powerset_Int16_Box_const_-iterator_tag, 1137
ppl_Pointset_Powerset_Int16_Box_const_-iterator_decrement
ppl_Pointset_Powerset_Int16_Box_const_-iterator_tag, 1137
ppl_Pointset_Powerset_Int16_Box_const_-iterator_dereference
ppl_Pointset_Powerset_Int16_Box_const_-iterator_tag, 1137
ppl_Pointset_Powerset_Int16_Box_const_-iterator_end
ppl_Pointset_Powerset_Int16_Box_const_-iterator_tag, 1137
ppl_Pointset_Powerset_Int16_Box_const_-iterator_equal_test
ppl_Pointset_Powerset_Int16_Box_const_-iterator_tag, 1137
ppl_Pointset_Powerset_Int16_Box_const_-iterator_increment
ppl_Pointset_Powerset_Int16_Box_const_-iterator_tag, 1137
ppl_Pointset_Powerset_Int16_Box_const_-iterator_tag, 1136
ppl_delete_Pointset_Powerset_Int16_Box_-const_iterator, 1138
ppl_new_Pointset_Powerset_Int16_Box_-const_iterator, 1137
ppl_Pointset_Powerset_Int16_Box_const_-iterator_begin, 1137
ppl_Pointset_Powerset_Int16_Box_const_-iterator_decrement, 1137
ppl_Pointset_Powerset_Int16_Box_const_-iterator_dereference, 1137
ppl_Pointset_Powerset_Int16_Box_const_-iterator_end, 1137
ppl_Pointset_Powerset_Int16_Box_const_-iterator_equal_test, 1137
ppl_Pointset_Powerset_Int16_Box_const_-iterator_increment, 1137
ppl_Pointset_Powerset_Int16_Box_constrains
ppl_Pointset_Powerset_Int16_Box_tag, 1149
ppl_Pointset_Powerset_Int16_Box_contains_-integer_point
ppl_Pointset_Powerset_Int16_Box_tag, 1145
ppl_Pointset_Powerset_Int16_Box_contains_-Pointset_Powerset_Int16_Box
ppl_Pointset_Powerset_Int16_Box_tag, 1146
ppl_Pointset_Powerset_Int16_Box_difference_-assign
ppl_Pointset_Powerset_Int16_Box_tag, 1149
ppl_Pointset_Powerset_Int16_Box_drop_disjunct
ppl_Pointset_Powerset_Int16_Box_tag, 1152
ppl_Pointset_Powerset_Int16_Box_drop_disjuncts
ppl_Pointset_Powerset_Int16_Box_tag, 1152
ppl_Pointset_Powerset_Int16_Box_drop_some_-non_integer_points
ppl_Pointset_Powerset_Int16_Box_tag, 1151
ppl_Pointset_Powerset_Int16_Box_drop_some_-non_integer_points_2
ppl_Pointset_Powerset_Int16_Box_tag, 1152
ppl_Pointset_Powerset_Int16_Box_equals_-Pointset_Powerset_Int16_Box
ppl_Pointset_Powerset_Int16_Box_tag, 1147
ppl_Pointset_Powerset_Int16_Box_expand_-space_dimension
ppl_Pointset_Powerset_Int16_Box_tag, 1151
ppl_Pointset_Powerset_Int16_Box_external_-memory_in_bytes
ppl_Pointset_Powerset_Int16_Box_tag, 1152

ppl_Pointset_Powerset_Int16_Box_fold_space_-dimensions
ppl_Pointset_Powerset_Int16_Box_tag, 1151
ppl_Pointset_Powerset_Int16_Box_generalized_-affine_image
ppl_Pointset_Powerset_Int16_Box_tag, 1150
ppl_Pointset_Powerset_Int16_Box_generalized_-affine_image_lhs_rhs
ppl_Pointset_Powerset_Int16_Box_tag, 1150
ppl_Pointset_Powerset_Int16_Box_generalized_-affine_preimage
ppl_Pointset_Powerset_Int16_Box_tag, 1150
ppl_Pointset_Powerset_Int16_Box_generalized_-affine_preimage_lhs_rhs
ppl_Pointset_Powerset_Int16_Box_tag, 1150
ppl_Pointset_Powerset_Int16_Box_-geometrically_covers_Pointset_-Powerset_Int16_Box
ppl_Pointset_Powerset_Int16_Box_tag, 1147
ppl_Pointset_Powerset_Int16_Box_-geometrically_equals_Pointset_-Powerset_Int16_Box
ppl_Pointset_Powerset_Int16_Box_tag, 1147
ppl_Pointset_Powerset_Int16_Box_intersection_-assign
ppl_Pointset_Powerset_Int16_Box_tag, 1148
ppl_Pointset_Powerset_Int16_Box_is_bounded
ppl_Pointset_Powerset_Int16_Box_tag, 1145
ppl_Pointset_Powerset_Int16_Box_is_discrete
ppl_Pointset_Powerset_Int16_Box_tag, 1145
ppl_Pointset_Powerset_Int16_Box_is_disjoint_-from_Pointset_Powerset_Int16_Box
ppl_Pointset_Powerset_Int16_Box_tag, 1147
ppl_Pointset_Powerset_Int16_Box_is_empty
ppl_Pointset_Powerset_Int16_Box_tag, 1145
ppl_Pointset_Powerset_Int16_Box_is_-topologically_closed
ppl_Pointset_Powerset_Int16_Box_tag, 1145
ppl_Pointset_Powerset_Int16_Box_is_universe
ppl_Pointset_Powerset_Int16_Box_tag, 1145
ppl_Pointset_Powerset_Int16_Box_iterator_begin
ppl_Pointset_Powerset_Int16_Box_iterator_-tag, 1139
ppl_Pointset_Powerset_Int16_Box_iterator_-decrement
ppl_Pointset_Powerset_Int16_Box_iterator_-tag, 1139
ppl_Pointset_Powerset_Int16_Box_iterator_-dereference
ppl_Pointset_Powerset_Int16_Box_iterator_-tag, 1139
ppl_Pointset_Powerset_Int16_Box_iterator_end
ppl_Pointset_Powerset_Int16_Box_iterator_-tag, 1139
ppl_Pointset_Powerset_Int16_Box_iterator_-equal_test
ppl_Pointset_Powerset_Int16_Box_iterator_-tag, 1139
ppl_Pointset_Powerset_Int16_Box_iterator_-increment
ppl_Pointset_Powerset_Int16_Box_iterator_-tag, 1139
ppl_Pointset_Powerset_Int16_Box_iterator_tag, 1138
ppl_delete_Pointset_Powerset_Int16_Box_-iterator, 1139
ppl_new_Pointset_Powerset_Int16_Box_-iterator, 1139
ppl_new_Pointset_Powerset_Int16_Box_-iterator_from_iterator, 1139
ppl_Pointset_Powerset_Int16_Box_iterator_-begin, 1139
ppl_Pointset_Powerset_Int16_Box_iterator_-decrement, 1139
ppl_Pointset_Powerset_Int16_Box_iterator_-dereference, 1139
ppl_Pointset_Powerset_Int16_Box_iterator_-end, 1139
ppl_Pointset_Powerset_Int16_Box_iterator_-equal_test, 1139
ppl_Pointset_Powerset_Int16_Box_iterator_-increment, 1139
ppl_Pointset_Powerset_Int16_Box_map_space_-dimensions
ppl_Pointset_Powerset_Int16_Box_tag, 1151
ppl_Pointset_Powerset_Int16_Box_maximize
ppl_Pointset_Powerset_Int16_Box_tag, 1146
ppl_Pointset_Powerset_Int16_Box_maximize_-with_point
ppl_Pointset_Powerset_Int16_Box_tag, 1146
ppl_Pointset_Powerset_Int16_Box_minimize
ppl_Pointset_Powerset_Int16_Box_tag, 1146
ppl_Pointset_Powerset_Int16_Box_minimize_-with_point
ppl_Pointset_Powerset_Int16_Box_tag, 1146
ppl_Pointset_Powerset_Int16_Box_OK
ppl_Pointset_Powerset_Int16_Box_tag, 1147
ppl_Pointset_Powerset_Int16_Box_omega_reduce
ppl_Pointset_Powerset_Int16_Box_tag, 1146
ppl_Pointset_Powerset_Int16_Box_pairwise_-reduce
ppl_Pointset_Powerset_Int16_Box_tag, 1145
ppl_Pointset_Powerset_Int16_Box_refine_with_-congruence
ppl_Pointset_Powerset_Int16_Box_tag, 1148
ppl_Pointset_Powerset_Int16_Box_refine_with_-congruences
ppl_Pointset_Powerset_Int16_Box_tag, 1148

ppl_Pointset_Powerset_Int16_Box_refine_with_-constraint
ppl_Pointset_Powerset_Int16_Box_tag, 1148
ppl_Pointset_Powerset_Int16_Box_refine_with_-constraints
ppl_Pointset_Powerset_Int16_Box_tag, 1148
ppl_Pointset_Powerset_Int16_Box_relation_with_-Congruence
ppl_Pointset_Powerset_Int16_Box_tag, 1145
ppl_Pointset_Powerset_Int16_Box_relation_with_-Constraint
ppl_Pointset_Powerset_Int16_Box_tag, 1144
ppl_Pointset_Powerset_Int16_Box_relation_with_-Generator
ppl_Pointset_Powerset_Int16_Box_tag, 1144
ppl_Pointset_Powerset_Int16_Box_remove_-higher_space_dimensions
ppl_Pointset_Powerset_Int16_Box_tag, 1151
ppl_Pointset_Powerset_Int16_Box_remove_-space_dimensions
ppl_Pointset_Powerset_Int16_Box_tag, 1151
ppl_Pointset_Powerset_Int16_Box_simplify_-using_context_assign
ppl_Pointset_Powerset_Int16_Box_tag, 1149
ppl_Pointset_Powerset_Int16_Box_size
ppl_Pointset_Powerset_Int16_Box_tag, 1152
ppl_Pointset_Powerset_Int16_Box_space_-dimension
ppl_Pointset_Powerset_Int16_Box_tag, 1144
ppl_Pointset_Powerset_Int16_Box_strictly_-contains_Pointset_Powerset_Int16_Box
ppl_Pointset_Powerset_Int16_Box_tag, 1147
ppl_Pointset_Powerset_Int16_Box_tag, 1140
ppl_delete_Pointset_Powerset_Int16_Box, 1143
ppl_io_asprint_Pointset_Powerset_Int16_Box, 1153
ppl_io_fprint_Pointset_Powerset_Int16_Box, 1152
ppl_io_print_Pointset_Powerset_Int16_Box, 1152
ppl_new_Pointset_Powerset_Int16_Box_-from_Congruence_System, 1144
ppl_new_Pointset_Powerset_Int16_Box_-from_Constraint_System, 1144
ppl_new_Pointset_Powerset_Int16_Box_-from_Int16_Box, 1143
ppl_new_Pointset_Powerset_Int16_Box_-from_Int16_Box_with_complexity, 1144
ppl_new_Pointset_Powerset_Int16_Box_-from_Pointset_Powerset_Int16_Box, 1143
ppl_new_Pointset_Powerset_Int16_Box_-from_space_dimension, 1143
ppl_Pointset_Powerset_Int16_Box_add_-congruence, 1147
ppl_Pointset_Powerset_Int16_Box_add_-congruences, 1148
ppl_Pointset_Powerset_Int16_Box_add_-constraint, 1147
ppl_Pointset_Powerset_Int16_Box_add_-constraints, 1148
ppl_Pointset_Powerset_Int16_Box_add_-disjunct, 1152
ppl_Pointset_Powerset_Int16_Box_add_-space_dimensions_and_embed, 1151
ppl_Pointset_Powerset_Int16_Box_add_-space_dimensions_and_project, 1151
ppl_Pointset_Powerset_Int16_Box_affine_-dimension, 1144
ppl_Pointset_Powerset_Int16_Box_affine_-image, 1150
ppl_Pointset_Powerset_Int16_Box_affine_-preimage, 1150
ppl_Pointset_Powerset_Int16_Box_ascii_-dump, 1153
ppl_Pointset_Powerset_Int16_Box_ascii_load, 1153
ppl_Pointset_Powerset_Int16_Box_bounded_-affine_image, 1150
ppl_Pointset_Powerset_Int16_Box_bounded_-affine_preimage, 1150
ppl_Pointset_Powerset_Int16_Box_bounds_-from_above, 1146
ppl_Pointset_Powerset_Int16_Box_bounds_-from_below, 1146
ppl_Pointset_Powerset_Int16_Box_-concatenate_assign, 1149
ppl_Pointset_Powerset_Int16_Box_constrains, 1149
ppl_Pointset_Powerset_Int16_Box_contains_-integer_point, 1145
ppl_Pointset_Powerset_Int16_Box_contains_-Pointset_Powerset_Int16_Box, 1146
ppl_Pointset_Powerset_Int16_Box_-difference_assign, 1149
ppl_Pointset_Powerset_Int16_Box_drop_-disjunct, 1152
ppl_Pointset_Powerset_Int16_Box_drop_-disjuncts, 1152
ppl_Pointset_Powerset_Int16_Box_drop_-some_non_integer_points, 1151
ppl_Pointset_Powerset_Int16_Box_drop_-some_non_integer_points_2, 1152
ppl_Pointset_Powerset_Int16_Box_equals_-Pointset_Powerset_Int16_Box, 1147

ppl_Pointset_Powerset_Int16_Box_expand_-space_dimension, 1151
ppl_Pointset_Powerset_Int16_Box_external_-memory_in_bytes, 1152
ppl_Pointset_Powerset_Int16_Box_fold_-space_dimensions, 1151
ppl_Pointset_Powerset_Int16_Box_-generalized_affine_image, 1150
ppl_Pointset_Powerset_Int16_Box_-generalized_affine_image_lhs_rhs, 1150
ppl_Pointset_Powerset_Int16_Box_-generalized_affine_preimage, 1150
ppl_Pointset_Powerset_Int16_Box_-generalized_affine_preimage_lhs_rhs, 1150
ppl_Pointset_Powerset_Int16_Box_-geometrically_covers_Pointset_-Powerset_Int16_Box, 1147
ppl_Pointset_Powerset_Int16_Box_-geometrically_equals_Pointset_-Powerset_Int16_Box, 1147
ppl_Pointset_Powerset_Int16_Box_-intersection_assign, 1148
ppl_Pointset_Powerset_Int16_Box_is_-bounded, 1145
ppl_Pointset_Powerset_Int16_Box_is_-discrete, 1145
ppl_Pointset_Powerset_Int16_Box_is_-disjoint_from_Pointset_Powerset_-Int16_Box, 1147
ppl_Pointset_Powerset_Int16_Box_is_empty, 1145
ppl_Pointset_Powerset_Int16_Box_is_-topologically_closed, 1145
ppl_Pointset_Powerset_Int16_Box_is_-universe, 1145
ppl_Pointset_Powerset_Int16_Box_map_-space_dimensions, 1151
ppl_Pointset_Powerset_Int16_Box_maximize, 1146
ppl_Pointset_Powerset_Int16_Box_-maximize_with_point, 1146
ppl_Pointset_Powerset_Int16_Box_minimize, 1146
ppl_Pointset_Powerset_Int16_Box_-minimize_with_point, 1146
ppl_Pointset_Powerset_Int16_Box_OK, 1147
ppl_Pointset_Powerset_Int16_Box_omega_-reduce, 1146
ppl_Pointset_Powerset_Int16_Box_pairwise_-reduce, 1145
ppl_Pointset_Powerset_Int16_Box_refine_-with_congruence, 1148
ppl_Pointset_Powerset_Int16_Box_refine_-with_congruences, 1148
ppl_Pointset_Powerset_Int16_Box_refine_-with_constraint, 1148
ppl_Pointset_Powerset_Int16_Box_refine_-with_constraints, 1148
ppl_Pointset_Powerset_Int16_Box_relation_-with_Congruence, 1145
ppl_Pointset_Powerset_Int16_Box_relation_-with_Constraint, 1144
ppl_Pointset_Powerset_Int16_Box_relation_-with_Generator, 1144
ppl_Pointset_Powerset_Int16_Box_remove_-higher_space_dimensions, 1151
ppl_Pointset_Powerset_Int16_Box_remove_-space_dimensions, 1151
ppl_Pointset_Powerset_Int16_Box_simplify_-using_context_assign, 1149
ppl_Pointset_Powerset_Int16_Box_size, 1152
ppl_Pointset_Powerset_Int16_Box_space_-dimension, 1144
ppl_Pointset_Powerset_Int16_Box_strictly_-contains_Pointset_Powerset_Int16_Box, 1147
ppl_Pointset_Powerset_Int16_Box_time_-elapse_assign, 1149
ppl_Pointset_Powerset_Int16_Box_-topological_closure_assign, 1145
ppl_Pointset_Powerset_Int16_Box_total_-memory_in_bytes, 1152
ppl_Pointset_Powerset_Int16_Box_-unconstrain_space_dimension, 1149
ppl_Pointset_Powerset_Int16_Box_-unconstrain_space_dimensions, 1149
ppl_Pointset_Powerset_Int16_Box_upper_-bound_assign, 1148
ppl_Pointset_Powerset_Int16_Box_upper_-bound_assign_if_exact, 1149
ppl_Pointset_Powerset_Int16_Box_time_elapse_-assign
ppl_Pointset_Powerset_Int16_Box_tag, 1149
ppl_Pointset_Powerset_Int16_Box_topological_-closure_assign
ppl_Pointset_Powerset_Int16_Box_tag, 1145
ppl_Pointset_Powerset_Int16_Box_total_-memory_in_bytes
ppl_Pointset_Powerset_Int16_Box_tag, 1152
ppl_Pointset_Powerset_Int16_Box_unconstrain_-space_dimension
ppl_Pointset_Powerset_Int16_Box_tag, 1149
ppl_Pointset_Powerset_Int16_Box_unconstrain_-space_dimensions
ppl_Pointset_Powerset_Int16_Box_tag, 1149

ppl_Pointset_Powerset_Int16_Box_upper_bound_assign
ppl_Pointset_Powerset_Int16_Box_tag, 1148
ppl_Pointset_Powerset_Int16_Box_upper_bound_assign_if_exact
ppl_Pointset_Powerset_Int16_Box_tag, 1149
ppl_Pointset_Powerset_Int32_Box_add_congruence
ppl_Pointset_Powerset_Int32_Box_tag, 1165
ppl_Pointset_Powerset_Int32_Box_add_congruences
ppl_Pointset_Powerset_Int32_Box_tag, 1165
ppl_Pointset_Powerset_Int32_Box_add_constraint
ppl_Pointset_Powerset_Int32_Box_tag, 1165
ppl_Pointset_Powerset_Int32_Box_add_constraints
ppl_Pointset_Powerset_Int32_Box_tag, 1165
ppl_Pointset_Powerset_Int32_Box_add_disjunct
ppl_Pointset_Powerset_Int32_Box_tag, 1169
ppl_Pointset_Powerset_Int32_Box_add_space_dimensions_and_embed
ppl_Pointset_Powerset_Int32_Box_tag, 1168
ppl_Pointset_Powerset_Int32_Box_add_space_dimensions_and_project
ppl_Pointset_Powerset_Int32_Box_tag, 1168
ppl_Pointset_Powerset_Int32_Box_affine_dimension
ppl_Pointset_Powerset_Int32_Box_tag, 1161
ppl_Pointset_Powerset_Int32_Box_affine_image
ppl_Pointset_Powerset_Int32_Box_tag, 1167
ppl_Pointset_Powerset_Int32_Box_affine_preimage
ppl_Pointset_Powerset_Int32_Box_tag, 1167
ppl_Pointset_Powerset_Int32_Box_ascii_dump
ppl_Pointset_Powerset_Int32_Box_tag, 1170
ppl_Pointset_Powerset_Int32_Box_ascii_load
ppl_Pointset_Powerset_Int32_Box_tag, 1170
ppl_Pointset_Powerset_Int32_Box_bounded_affine_image
ppl_Pointset_Powerset_Int32_Box_tag, 1167
ppl_Pointset_Powerset_Int32_Box_bounded_affine_preimage
ppl_Pointset_Powerset_Int32_Box_tag, 1167
ppl_Pointset_Powerset_Int32_Box_bounds_from_above
ppl_Pointset_Powerset_Int32_Box_tag, 1163
ppl_Pointset_Powerset_Int32_Box_bounds_from_below
ppl_Pointset_Powerset_Int32_Box_tag, 1163
ppl_Pointset_Powerset_Int32_Box_concatenate_assign
ppl_Pointset_Powerset_Int32_Box_tag, 1166
ppl_Pointset_Powerset_Int32_Box_const_iterator_begin
ppl_Pointset_Powerset_Int32_Box_const_iterator_tag, 1154
ppl_Pointset_Powerset_Int32_Box_const_iterator_decrement
ppl_Pointset_Powerset_Int32_Box_const_iterator_tag, 1154
ppl_Pointset_Powerset_Int32_Box_const_iterator_dereference
ppl_Pointset_Powerset_Int32_Box_const_iterator_tag, 1155
ppl_Pointset_Powerset_Int32_Box_const_iterator_end
ppl_Pointset_Powerset_Int32_Box_const_iterator_tag, 1154
ppl_Pointset_Powerset_Int32_Box_const_iterator_equal_test
ppl_Pointset_Powerset_Int32_Box_const_iterator_tag, 1154
ppl_Pointset_Powerset_Int32_Box_const_iterator_increment
ppl_Pointset_Powerset_Int32_Box_const_iterator_tag, 1154
ppl_Pointset_Powerset_Int32_Box_const_iterator_tag, 1153
ppl_delete_Pointset_Powerset_Int32_Box_const_iterator, 1155
ppl_new_Pointset_Powerset_Int32_Box_const_iterator, 1154
ppl_Pointset_Powerset_Int32_Box_const_iterator_begin, 1154
ppl_Pointset_Powerset_Int32_Box_const_iterator_decrement, 1154
ppl_Pointset_Powerset_Int32_Box_const_iterator_dereference, 1155
ppl_Pointset_Powerset_Int32_Box_const_iterator_end, 1154
ppl_Pointset_Powerset_Int32_Box_const_iterator_equal_test, 1154
ppl_Pointset_Powerset_Int32_Box_const_iterator_increment, 1154
ppl_Pointset_Powerset_Int32_Box_constrains
ppl_Pointset_Powerset_Int32_Box_tag, 1166
ppl_Pointset_Powerset_Int32_Box_contains_integer_point
ppl_Pointset_Powerset_Int32_Box_tag, 1162
ppl_Pointset_Powerset_Int32_Box_contains_Pointset_Powerset_Int32_Box
ppl_Pointset_Powerset_Int32_Box_tag, 1164
ppl_Pointset_Powerset_Int32_Box_difference_assign
ppl_Pointset_Powerset_Int32_Box_tag, 1166
ppl_Pointset_Powerset_Int32_Box_drop_disjunct
ppl_Pointset_Powerset_Int32_Box_tag, 1169
ppl_Pointset_Powerset_Int32_Box_drop_disjuncts

ppl_Pointset_Powerset_Int32_Box_tag, 1169
ppl_Pointset_Powerset_Int32_Box_drop_some_non_integer_points
ppl_Pointset_Powerset_Int32_Box_tag, 1169
ppl_Pointset_Powerset_Int32_Box_drop_some_non_integer_points_2
ppl_Pointset_Powerset_Int32_Box_tag, 1169
ppl_Pointset_Powerset_Int32_Box_equals_Pointset_Powerset_Int32_Box
ppl_Pointset_Powerset_Int32_Box_tag, 1164
ppl_Pointset_Powerset_Int32_Box_expand_space_dimension
ppl_Pointset_Powerset_Int32_Box_tag, 1168
ppl_Pointset_Powerset_Int32_Box_external_memory_in_bytes
ppl_Pointset_Powerset_Int32_Box_tag, 1169
ppl_Pointset_Powerset_Int32_Box_fold_space_dimensions
ppl_Pointset_Powerset_Int32_Box_tag, 1168
ppl_Pointset_Powerset_Int32_Box_generalized_affine_image
ppl_Pointset_Powerset_Int32_Box_tag, 1167
ppl_Pointset_Powerset_Int32_Box_generalized_affine_image_lhs_rhs
ppl_Pointset_Powerset_Int32_Box_tag, 1167
ppl_Pointset_Powerset_Int32_Box_generalized_affine_preimage
ppl_Pointset_Powerset_Int32_Box_tag, 1167
ppl_Pointset_Powerset_Int32_Box_generalized_affine_preimage_lhs_rhs
ppl_Pointset_Powerset_Int32_Box_tag, 1168
ppl_Pointset_Powerset_Int32_Box_geometrically_covers_Pointset_Powerset_Int32_Box
ppl_Pointset_Powerset_Int32_Box_tag, 1164
ppl_Pointset_Powerset_Int32_Box_geometrically_equals_Pointset_Powerset_Int32_Box
ppl_Pointset_Powerset_Int32_Box_tag, 1164
ppl_Pointset_Powerset_Int32_Box_intersection_assign
ppl_Pointset_Powerset_Int32_Box_tag, 1165
ppl_Pointset_Powerset_Int32_Box_is_bounded
ppl_Pointset_Powerset_Int32_Box_tag, 1162
ppl_Pointset_Powerset_Int32_Box_is_discrete
ppl_Pointset_Powerset_Int32_Box_tag, 1162
ppl_Pointset_Powerset_Int32_Box_is_disjoint_from_Pointset_Powerset_Int32_Box
ppl_Pointset_Powerset_Int32_Box_tag, 1164
ppl_Pointset_Powerset_Int32_Box_is_empty
ppl_Pointset_Powerset_Int32_Box_tag, 1162
ppl_Pointset_Powerset_Int32_Box_is_topologically_closed
ppl_Pointset_Powerset_Int32_Box_tag, 1162
ppl_Pointset_Powerset_Int32_Box_is_universe
ppl_Pointset_Powerset_Int32_Box_tag, 1162
ppl_Pointset_Powerset_Int32_Box_iterator_begin
ppl_Pointset_Powerset_Int32_Box_iterator_tag, 1156
ppl_Pointset_Powerset_Int32_Box_iterator_decrement
ppl_Pointset_Powerset_Int32_Box_iterator_tag, 1156
ppl_Pointset_Powerset_Int32_Box_iterator_dereference
ppl_Pointset_Powerset_Int32_Box_iterator_tag, 1156
ppl_Pointset_Powerset_Int32_Box_iterator_end
ppl_Pointset_Powerset_Int32_Box_iterator_tag, 1156
ppl_Pointset_Powerset_Int32_Box_iterator_equal_test
ppl_Pointset_Powerset_Int32_Box_iterator_tag, 1156
ppl_Pointset_Powerset_Int32_Box_iterator_increment
ppl_Pointset_Powerset_Int32_Box_iterator_tag, 1156
ppl_Pointset_Powerset_Int32_Box_iterator_tag, 1155
ppl_delete_Pointset_Powerset_Int32_Box_iterator, 1157
ppl_new_Pointset_Powerset_Int32_Box_iterator, 1156
ppl_new_Pointset_Powerset_Int32_Box_iterator_from_iterator, 1156
ppl_Pointset_Powerset_Int32_Box_iterator_begin, 1156
ppl_Pointset_Powerset_Int32_Box_iterator_decrement, 1156
ppl_Pointset_Powerset_Int32_Box_iterator_dereference, 1156
ppl_Pointset_Powerset_Int32_Box_iterator_end, 1156
ppl_Pointset_Powerset_Int32_Box_iterator_equal_test, 1156
ppl_Pointset_Powerset_Int32_Box_iterator_increment, 1156
ppl_Pointset_Powerset_Int32_Box_map_space_dimensions
ppl_Pointset_Powerset_Int32_Box_tag, 1168
ppl_Pointset_Powerset_Int32_Box_maximize
ppl_Pointset_Powerset_Int32_Box_tag, 1163
ppl_Pointset_Powerset_Int32_Box_maximize_with_point
ppl_Pointset_Powerset_Int32_Box_tag, 1163
ppl_Pointset_Powerset_Int32_Box_minimize
ppl_Pointset_Powerset_Int32_Box_tag, 1163

ppl_Pointset_Powerset_Int32_Box_minimize_-with_point
ppl_Pointset_Powerset_Int32_Box_tag, 1164
ppl_Pointset_Powerset_Int32_Box_OK
ppl_Pointset_Powerset_Int32_Box_tag, 1164
ppl_Pointset_Powerset_Int32_Box_omega_reduce
ppl_Pointset_Powerset_Int32_Box_tag, 1163
ppl_Pointset_Powerset_Int32_Box_pairwise_-reduce
ppl_Pointset_Powerset_Int32_Box_tag, 1163
ppl_Pointset_Powerset_Int32_Box_refine_with_-congruence
ppl_Pointset_Powerset_Int32_Box_tag, 1165
ppl_Pointset_Powerset_Int32_Box_refine_with_-congruences
ppl_Pointset_Powerset_Int32_Box_tag, 1165
ppl_Pointset_Powerset_Int32_Box_refine_with_-constraint
ppl_Pointset_Powerset_Int32_Box_tag, 1165
ppl_Pointset_Powerset_Int32_Box_refine_with_-constraints
ppl_Pointset_Powerset_Int32_Box_tag, 1165
ppl_Pointset_Powerset_Int32_Box_relation_with_-Congruence
ppl_Pointset_Powerset_Int32_Box_tag, 1162
ppl_Pointset_Powerset_Int32_Box_relation_with_-Constraint
ppl_Pointset_Powerset_Int32_Box_tag, 1162
ppl_Pointset_Powerset_Int32_Box_relation_with_-Generator
ppl_Pointset_Powerset_Int32_Box_tag, 1162
ppl_Pointset_Powerset_Int32_Box_remove_-higher_space_dimensions
ppl_Pointset_Powerset_Int32_Box_tag, 1168
ppl_Pointset_Powerset_Int32_Box_remove_-space_dimensions
ppl_Pointset_Powerset_Int32_Box_tag, 1168
ppl_Pointset_Powerset_Int32_Box_simplify_-using_context_assign
ppl_Pointset_Powerset_Int32_Box_tag, 1166
ppl_Pointset_Powerset_Int32_Box_size
ppl_Pointset_Powerset_Int32_Box_tag, 1169
ppl_Pointset_Powerset_Int32_Box_space_-dimension
ppl_Pointset_Powerset_Int32_Box_tag, 1161
ppl_Pointset_Powerset_Int32_Box_strictly_-contains_Pointset_Powerset_Int32_Box
ppl_Pointset_Powerset_Int32_Box_tag, 1164
ppl_Pointset_Powerset_Int32_Box_tag, 1157
ppl_delete_Pointset_Powerset_Int32_Box, 1160
ppl_io_asprint_Pointset_Powerset_Int32_Box, 1170
ppl_io_fprint_Pointset_Powerset_Int32_Box, 1170
ppl_io_print_Pointset_Powerset_Int32_Box, 1169
ppl_new_Pointset_Powerset_Int32_Box_-from_Congruence_System, 1161
ppl_new_Pointset_Powerset_Int32_Box_-from_Constraint_System, 1161
ppl_new_Pointset_Powerset_Int32_Box_-from_Int32_Box, 1161
ppl_new_Pointset_Powerset_Int32_Box_-from_Int32_Box_with_complexity, 1161
ppl_new_Pointset_Powerset_Int32_Box_-from_Pointset_Powerset_Int32_Box, 1161
ppl_new_Pointset_Powerset_Int32_Box_-from_space_dimension, 1160
ppl_Pointset_Powerset_Int32_Box_add_-congruence, 1165
ppl_Pointset_Powerset_Int32_Box_add_-congruences, 1165
ppl_Pointset_Powerset_Int32_Box_add_-constraint, 1165
ppl_Pointset_Powerset_Int32_Box_add_-constraints, 1165
ppl_Pointset_Powerset_Int32_Box_add_-disjunct, 1169
ppl_Pointset_Powerset_Int32_Box_add_-space_dimensions_and_embed, 1168
ppl_Pointset_Powerset_Int32_Box_add_-space_dimensions_and_project, 1168
ppl_Pointset_Powerset_Int32_Box_affine_-dimension, 1161
ppl_Pointset_Powerset_Int32_Box_affine_-image, 1167
ppl_Pointset_Powerset_Int32_Box_affine_-preimage, 1167
ppl_Pointset_Powerset_Int32_Box_ascii_-dump, 1170
ppl_Pointset_Powerset_Int32_Box_ascii_load, 1170
ppl_Pointset_Powerset_Int32_Box_bounded_-affine_image, 1167
ppl_Pointset_Powerset_Int32_Box_bounded_-affine_preimage, 1167
ppl_Pointset_Powerset_Int32_Box_bounds_-from_above, 1163
ppl_Pointset_Powerset_Int32_Box_bounds_-from_below, 1163
ppl_Pointset_Powerset_Int32_Box_-concatenate_assign, 1166
ppl_Pointset_Powerset_Int32_Box_constrains, 1166

ppl_Pointset_Powerset_Int32_Box_contains_-integer_point, 1162
ppl_Pointset_Powerset_Int32_Box_contains_-Pointset_Powerset_Int32_Box, 1164
ppl_Pointset_Powerset_Int32_Box_-difference_assign, 1166
ppl_Pointset_Powerset_Int32_Box_drop_-disjunct, 1169
ppl_Pointset_Powerset_Int32_Box_drop_-disjuncts, 1169
ppl_Pointset_Powerset_Int32_Box_drop_-some_non_integer_points, 1169
ppl_Pointset_Powerset_Int32_Box_drop_-some_non_integer_points_2, 1169
ppl_Pointset_Powerset_Int32_Box_equals_-Pointset_Powerset_Int32_Box, 1164
ppl_Pointset_Powerset_Int32_Box_expand_-space_dimension, 1168
ppl_Pointset_Powerset_Int32_Box_external_-memory_in_bytes, 1169
ppl_Pointset_Powerset_Int32_Box_fold_-space_dimensions, 1168
ppl_Pointset_Powerset_Int32_Box_-generalized_affine_image, 1167
ppl_Pointset_Powerset_Int32_Box_-generalized_affine_image_lhs_rhs, 1167
ppl_Pointset_Powerset_Int32_Box_-generalized_affine_preimage, 1167
ppl_Pointset_Powerset_Int32_Box_-generalized_affine_preimage_lhs_rhs, 1168
ppl_Pointset_Powerset_Int32_Box_-geometrically_covers_Pointset_-Powerset_Int32_Box, 1164
ppl_Pointset_Powerset_Int32_Box_-geometrically_equals_Pointset_-Powerset_Int32_Box, 1164
ppl_Pointset_Powerset_Int32_Box_-intersection_assign, 1165
ppl_Pointset_Powerset_Int32_Box_is_-bounded, 1162
ppl_Pointset_Powerset_Int32_Box_is_-discrete, 1162
ppl_Pointset_Powerset_Int32_Box_is_-disjoint_from_Pointset_Powerset_-Int32_Box, 1164
ppl_Pointset_Powerset_Int32_Box_is_empty, 1162
ppl_Pointset_Powerset_Int32_Box_is_-topologically_closed, 1162
ppl_Pointset_Powerset_Int32_Box_is_-universe, 1162
ppl_Pointset_Powerset_Int32_Box_map_-space_dimensions, 1168
ppl_Pointset_Powerset_Int32_Box_maximize, 1163
ppl_Pointset_Powerset_Int32_Box_-maximize_with_point, 1163
ppl_Pointset_Powerset_Int32_Box_minimize, 1163
ppl_Pointset_Powerset_Int32_Box_-minimize_with_point, 1164
ppl_Pointset_Powerset_Int32_Box_OK, 1164
ppl_Pointset_Powerset_Int32_Box_omega_-reduce, 1163
ppl_Pointset_Powerset_Int32_Box_pairwise_-reduce, 1163
ppl_Pointset_Powerset_Int32_Box_refine_-with_congruence, 1165
ppl_Pointset_Powerset_Int32_Box_refine_-with_congruences, 1165
ppl_Pointset_Powerset_Int32_Box_refine_-with_constraint, 1165
ppl_Pointset_Powerset_Int32_Box_refine_-with_constraints, 1165
ppl_Pointset_Powerset_Int32_Box_relation_-with_Congruence, 1162
ppl_Pointset_Powerset_Int32_Box_relation_-with_Constraint, 1162
ppl_Pointset_Powerset_Int32_Box_relation_-with_Generator, 1162
ppl_Pointset_Powerset_Int32_Box_remove_-higher_space_dimensions, 1168
ppl_Pointset_Powerset_Int32_Box_remove_-space_dimensions, 1168
ppl_Pointset_Powerset_Int32_Box_simplify_-using_context_assign, 1166
ppl_Pointset_Powerset_Int32_Box_size, 1169
ppl_Pointset_Powerset_Int32_Box_space_-dimension, 1161
ppl_Pointset_Powerset_Int32_Box_strictly_-contains_Pointset_Powerset_Int32_Box, 1164
ppl_Pointset_Powerset_Int32_Box_time_-elapse_assign, 1166
ppl_Pointset_Powerset_Int32_Box_-topological_closure_assign, 1163
ppl_Pointset_Powerset_Int32_Box_total_-memory_in_bytes, 1169
ppl_Pointset_Powerset_Int32_Box_-unconstrain_space_dimension, 1166
ppl_Pointset_Powerset_Int32_Box_-unconstrain_space_dimensions, 1167
ppl_Pointset_Powerset_Int32_Box_upper_-bound_assign, 1166
ppl_Pointset_Powerset_Int32_Box_upper_-bound_assign_if_exact, 1166

ppl_Pointset_Powerset_Int32_Box_time_elapse_-assign
ppl_Pointset_Powerset_Int32_Box_tag, 1166
ppl_Pointset_Powerset_Int32_Box_topological_-closure_assign
ppl_Pointset_Powerset_Int32_Box_tag, 1163
ppl_Pointset_Powerset_Int32_Box_total_-memory_in_bytes
ppl_Pointset_Powerset_Int32_Box_tag, 1169
ppl_Pointset_Powerset_Int32_Box_unconstrain_-space_dimension
ppl_Pointset_Powerset_Int32_Box_tag, 1166
ppl_Pointset_Powerset_Int32_Box_unconstrain_-space_dimensions
ppl_Pointset_Powerset_Int32_Box_tag, 1167
ppl_Pointset_Powerset_Int32_Box_upper_bound_-assign
ppl_Pointset_Powerset_Int32_Box_tag, 1166
ppl_Pointset_Powerset_Int32_Box_upper_bound_-assign_if_exact
ppl_Pointset_Powerset_Int32_Box_tag, 1166
ppl_Pointset_Powerset_Int64_Box_add_-congruence
ppl_Pointset_Powerset_Int64_Box_tag, 1182
ppl_Pointset_Powerset_Int64_Box_add_-congruences
ppl_Pointset_Powerset_Int64_Box_tag, 1182
ppl_Pointset_Powerset_Int64_Box_add_constraint
ppl_Pointset_Powerset_Int64_Box_tag, 1182
ppl_Pointset_Powerset_Int64_Box_add_constraints
ppl_Pointset_Powerset_Int64_Box_tag, 1182
ppl_Pointset_Powerset_Int64_Box_add_disjunct
ppl_Pointset_Powerset_Int64_Box_tag, 1186
ppl_Pointset_Powerset_Int64_Box_add_space_-dimensions_and_embed
ppl_Pointset_Powerset_Int64_Box_tag, 1185
ppl_Pointset_Powerset_Int64_Box_add_space_-dimensions_and_project
ppl_Pointset_Powerset_Int64_Box_tag, 1185
ppl_Pointset_Powerset_Int64_Box_affine_-dimension
ppl_Pointset_Powerset_Int64_Box_tag, 1178
ppl_Pointset_Powerset_Int64_Box_affine_image
ppl_Pointset_Powerset_Int64_Box_tag, 1184
ppl_Pointset_Powerset_Int64_Box_affine_-preimage
ppl_Pointset_Powerset_Int64_Box_tag, 1184
ppl_Pointset_Powerset_Int64_Box_ascii_dump
ppl_Pointset_Powerset_Int64_Box_tag, 1187
ppl_Pointset_Powerset_Int64_Box_ascii_load
ppl_Pointset_Powerset_Int64_Box_tag, 1187
ppl_Pointset_Powerset_Int64_Box_bounded_-affine_image
ppl_Pointset_Powerset_Int64_Box_tag, 1184
ppl_Pointset_Powerset_Int64_Box_bounded_-affine_preimage
ppl_Pointset_Powerset_Int64_Box_tag, 1184
ppl_Pointset_Powerset_Int64_Box_bounds_from_-above
ppl_Pointset_Powerset_Int64_Box_tag, 1180
ppl_Pointset_Powerset_Int64_Box_bounds_from_-below
ppl_Pointset_Powerset_Int64_Box_tag, 1180
ppl_Pointset_Powerset_Int64_Box_concatenate_-assign
ppl_Pointset_Powerset_Int64_Box_tag, 1183
ppl_Pointset_Powerset_Int64_Box_const_-iterator_begin
ppl_Pointset_Powerset_Int64_Box_const_-iterator_tag, 1171
ppl_Pointset_Powerset_Int64_Box_const_-iterator_decrement
ppl_Pointset_Powerset_Int64_Box_const_-iterator_tag, 1171
ppl_Pointset_Powerset_Int64_Box_const_-iterator_dereference
ppl_Pointset_Powerset_Int64_Box_const_-iterator_tag, 1172
ppl_Pointset_Powerset_Int64_Box_const_-iterator_end
ppl_Pointset_Powerset_Int64_Box_const_-iterator_tag, 1171
ppl_Pointset_Powerset_Int64_Box_const_-iterator_equal_test
ppl_Pointset_Powerset_Int64_Box_const_-iterator_tag, 1171
ppl_Pointset_Powerset_Int64_Box_const_-iterator_increment
ppl_Pointset_Powerset_Int64_Box_const_-iterator_tag, 1171
ppl_Pointset_Powerset_Int64_Box_const_-iterator_tag, 1170
ppl_delete_Pointset_Powerset_Int64_Box_-const_iterator, 1172
ppl_new_Pointset_Powerset_Int64_Box_-const_iterator, 1171
ppl_Pointset_Powerset_Int64_Box_const_-iterator_begin, 1171
ppl_Pointset_Powerset_Int64_Box_const_-iterator_decrement, 1171
ppl_Pointset_Powerset_Int64_Box_const_-iterator_dereference, 1172
ppl_Pointset_Powerset_Int64_Box_const_-iterator_end, 1171
ppl_Pointset_Powerset_Int64_Box_const_-iterator_equal_test, 1171
ppl_Pointset_Powerset_Int64_Box_const_-iterator_increment, 1171

ppl_Pointset_Powerset_Int64_Box_constrains
ppl_Pointset_Powerset_Int64_Box_tag, 1183
ppl_Pointset_Powerset_Int64_Box_contains_-
integer_point
ppl_Pointset_Powerset_Int64_Box_tag, 1179
ppl_Pointset_Powerset_Int64_Box_contains_-
Pointset_Powerset_Int64_Box
ppl_Pointset_Powerset_Int64_Box_tag, 1181
ppl_Pointset_Powerset_Int64_Box_difference_-
assign
ppl_Pointset_Powerset_Int64_Box_tag, 1183
ppl_Pointset_Powerset_Int64_Box_drop_disjunct
ppl_Pointset_Powerset_Int64_Box_tag, 1186
ppl_Pointset_Powerset_Int64_Box_drop_disjuncts
ppl_Pointset_Powerset_Int64_Box_tag, 1186
ppl_Pointset_Powerset_Int64_Box_drop_some_-
non_integer_points
ppl_Pointset_Powerset_Int64_Box_tag, 1186
ppl_Pointset_Powerset_Int64_Box_drop_some_-
non_integer_points_2
ppl_Pointset_Powerset_Int64_Box_tag, 1186
ppl_Pointset_Powerset_Int64_Box_equals_-
Pointset_Powerset_Int64_Box
ppl_Pointset_Powerset_Int64_Box_tag, 1181
ppl_Pointset_Powerset_Int64_Box_expand_-
space_dimension
ppl_Pointset_Powerset_Int64_Box_tag, 1185
ppl_Pointset_Powerset_Int64_Box_external_-
memory_in_bytes
ppl_Pointset_Powerset_Int64_Box_tag, 1186
ppl_Pointset_Powerset_Int64_Box_fold_space_-
dimensions
ppl_Pointset_Powerset_Int64_Box_tag, 1185
ppl_Pointset_Powerset_Int64_Box_generalized_-
affine_image
ppl_Pointset_Powerset_Int64_Box_tag, 1184
ppl_Pointset_Powerset_Int64_Box_generalized_-
affine_image_lhs_rhs
ppl_Pointset_Powerset_Int64_Box_tag, 1184
ppl_Pointset_Powerset_Int64_Box_generalized_-
affine_preimage
ppl_Pointset_Powerset_Int64_Box_tag, 1184
ppl_Pointset_Powerset_Int64_Box_generalized_-
affine_preimage_lhs_rhs
ppl_Pointset_Powerset_Int64_Box_tag, 1185
ppl_Pointset_Powerset_Int64_Box_-
geometrically_covers_Pointset_-
Powerset_Int64_Box
ppl_Pointset_Powerset_Int64_Box_tag, 1181
ppl_Pointset_Powerset_Int64_Box_-
geometrically_equals_Pointset_-
Powerset_Int64_Box
ppl_Pointset_Powerset_Int64_Box_tag, 1181
ppl_Pointset_Powerset_Int64_Box_intersection_-
assign
ppl_Pointset_Powerset_Int64_Box_tag, 1182
ppl_Pointset_Powerset_Int64_Box_is_bounded
ppl_Pointset_Powerset_Int64_Box_tag, 1179
ppl_Pointset_Powerset_Int64_Box_is_discrete
ppl_Pointset_Powerset_Int64_Box_tag, 1179
ppl_Pointset_Powerset_Int64_Box_is_disjoint_-
from_Pointset_Powerset_Int64_Box
ppl_Pointset_Powerset_Int64_Box_tag, 1181
ppl_Pointset_Powerset_Int64_Box_is_empty
ppl_Pointset_Powerset_Int64_Box_tag, 1179
ppl_Pointset_Powerset_Int64_Box_is_-
topologically_closed
ppl_Pointset_Powerset_Int64_Box_tag, 1179
ppl_Pointset_Powerset_Int64_Box_is_universe
ppl_Pointset_Powerset_Int64_Box_tag, 1179
ppl_Pointset_Powerset_Int64_Box_iterator_begin
ppl_Pointset_Powerset_Int64_Box_iterator_-
tag, 1173
ppl_Pointset_Powerset_Int64_Box_iterator_-
decrement
ppl_Pointset_Powerset_Int64_Box_iterator_-
tag, 1173
ppl_Pointset_Powerset_Int64_Box_iterator_-
dereference
ppl_Pointset_Powerset_Int64_Box_iterator_-
tag, 1173
ppl_Pointset_Powerset_Int64_Box_iterator_end
ppl_Pointset_Powerset_Int64_Box_iterator_-
tag, 1173
ppl_Pointset_Powerset_Int64_Box_iterator_-
equal_test
ppl_Pointset_Powerset_Int64_Box_iterator_-
tag, 1173
ppl_Pointset_Powerset_Int64_Box_iterator_-
increment
ppl_Pointset_Powerset_Int64_Box_iterator_-
tag, 1173
ppl_Pointset_Powerset_Int64_Box_iterator_tag,
1172
ppl_delete_Pointset_Powerset_Int64_Box_-
iterator, 1174
ppl_new_Pointset_Powerset_Int64_Box_-
iterator, 1173
ppl_new_Pointset_Powerset_Int64_Box_-
iterator_from_iterator, 1173
ppl_Pointset_Powerset_Int64_Box_iterator_-
begin, 1173
ppl_Pointset_Powerset_Int64_Box_iterator_-
decrement, 1173
ppl_Pointset_Powerset_Int64_Box_iterator_-
dereference, 1173

ppl_Pointset_Powerset_Int64_Box_iterator_-end, 1173
ppl_Pointset_Powerset_Int64_Box_iterator_-equal_test, 1173
ppl_Pointset_Powerset_Int64_Box_iterator_-increment, 1173
ppl_Pointset_Powerset_Int64_Box_map_space_-dimensions
ppl_Pointset_Powerset_Int64_Box_tag, 1185
ppl_Pointset_Powerset_Int64_Box_maximize
ppl_Pointset_Powerset_Int64_Box_tag, 1180
ppl_Pointset_Powerset_Int64_Box_maximize_-with_point
ppl_Pointset_Powerset_Int64_Box_tag, 1180
ppl_Pointset_Powerset_Int64_Box_minimize
ppl_Pointset_Powerset_Int64_Box_tag, 1180
ppl_Pointset_Powerset_Int64_Box_minimize_-with_point
ppl_Pointset_Powerset_Int64_Box_tag, 1181
ppl_Pointset_Powerset_Int64_Box_OK
ppl_Pointset_Powerset_Int64_Box_tag, 1181
ppl_Pointset_Powerset_Int64_Box_omega_reduce
ppl_Pointset_Powerset_Int64_Box_tag, 1180
ppl_Pointset_Powerset_Int64_Box_pairwise_-reduce
ppl_Pointset_Powerset_Int64_Box_tag, 1180
ppl_Pointset_Powerset_Int64_Box_refine_with_-congruence
ppl_Pointset_Powerset_Int64_Box_tag, 1182
ppl_Pointset_Powerset_Int64_Box_refine_with_-congruences
ppl_Pointset_Powerset_Int64_Box_tag, 1182
ppl_Pointset_Powerset_Int64_Box_refine_with_-constraint
ppl_Pointset_Powerset_Int64_Box_tag, 1182
ppl_Pointset_Powerset_Int64_Box_refine_with_-constraints
ppl_Pointset_Powerset_Int64_Box_tag, 1182
ppl_Pointset_Powerset_Int64_Box_relation_with_-Congruence
ppl_Pointset_Powerset_Int64_Box_tag, 1179
ppl_Pointset_Powerset_Int64_Box_relation_with_-Constraint
ppl_Pointset_Powerset_Int64_Box_tag, 1179
ppl_Pointset_Powerset_Int64_Box_relation_with_-Generator
ppl_Pointset_Powerset_Int64_Box_tag, 1179
ppl_Pointset_Powerset_Int64_Box_remove_-higher_space_dimensions
ppl_Pointset_Powerset_Int64_Box_tag, 1185
ppl_Pointset_Powerset_Int64_Box_remove_-space_dimensions
ppl_Pointset_Powerset_Int64_Box_tag, 1185
ppl_Pointset_Powerset_Int64_Box_simplify_-using_context_assign
ppl_Pointset_Powerset_Int64_Box_tag, 1183
ppl_Pointset_Powerset_Int64_Box_size
ppl_Pointset_Powerset_Int64_Box_tag, 1186
ppl_Pointset_Powerset_Int64_Box_space_-dimension
ppl_Pointset_Powerset_Int64_Box_tag, 1178
ppl_Pointset_Powerset_Int64_Box_strictly_-contains_Pointset_Powerset_Int64_Box
ppl_Pointset_Powerset_Int64_Box_tag, 1181
ppl_Pointset_Powerset_Int64_Box_tag, 1174
ppl_delete_Pointset_Powerset_Int64_Box, 1177
ppl_io_asprint_Pointset_Powerset_Int64_Box, 1187
ppl_io_fprint_Pointset_Powerset_Int64_Box, 1187
ppl_io_print_Pointset_Powerset_Int64_Box, 1186
ppl_new_Pointset_Powerset_Int64_Box_-from_Congruence_System, 1178
ppl_new_Pointset_Powerset_Int64_Box_-from_Constraint_System, 1178
ppl_new_Pointset_Powerset_Int64_Box_-from_Int64_Box, 1178
ppl_new_Pointset_Powerset_Int64_Box_-from_Int64_Box_with_complexity, 1178
ppl_new_Pointset_Powerset_Int64_Box_-from_Pointset_Powerset_Int64_Box, 1178
ppl_new_Pointset_Powerset_Int64_Box_-from_space_dimension, 1177
ppl_Pointset_Powerset_Int64_Box_add_-congruence, 1182
ppl_Pointset_Powerset_Int64_Box_add_-congruences, 1182
ppl_Pointset_Powerset_Int64_Box_add_-constraint, 1182
ppl_Pointset_Powerset_Int64_Box_add_-constraints, 1182
ppl_Pointset_Powerset_Int64_Box_add_-disjunct, 1186
ppl_Pointset_Powerset_Int64_Box_add_-space_dimensions_and_embed, 1185
ppl_Pointset_Powerset_Int64_Box_add_-space_dimensions_and_project, 1185
ppl_Pointset_Powerset_Int64_Box_affine_-dimension, 1178
ppl_Pointset_Powerset_Int64_Box_affine_-image, 1184
ppl_Pointset_Powerset_Int64_Box_affine_-preimage, 1184

ppl_Pointset_Powerset_Int64_Box_ascii_-dump, 1187
ppl_Pointset_Powerset_Int64_Box_ascii_load, 1187
ppl_Pointset_Powerset_Int64_Box_bounded_-affine_image, 1184
ppl_Pointset_Powerset_Int64_Box_bounded_-affine_preimage, 1184
ppl_Pointset_Powerset_Int64_Box_bounds_-from_above, 1180
ppl_Pointset_Powerset_Int64_Box_bounds_-from_below, 1180
ppl_Pointset_Powerset_Int64_Box_-concatenate_assign, 1183
ppl_Pointset_Powerset_Int64_Box_constrains, 1183
ppl_Pointset_Powerset_Int64_Box_contains_-integer_point, 1179
ppl_Pointset_Powerset_Int64_Box_contains_-Pointset_Powerset_Int64_Box, 1181
ppl_Pointset_Powerset_Int64_Box_-difference_assign, 1183
ppl_Pointset_Powerset_Int64_Box_drop_-disjunct, 1186
ppl_Pointset_Powerset_Int64_Box_drop_-disjuncts, 1186
ppl_Pointset_Powerset_Int64_Box_drop_-some_non_integer_points, 1186
ppl_Pointset_Powerset_Int64_Box_drop_-some_non_integer_points_2, 1186
ppl_Pointset_Powerset_Int64_Box_equals_-Pointset_Powerset_Int64_Box, 1181
ppl_Pointset_Powerset_Int64_Box_expand_-space_dimension, 1185
ppl_Pointset_Powerset_Int64_Box_external_-memory_in_bytes, 1186
ppl_Pointset_Powerset_Int64_Box_fold_-space_dimensions, 1185
ppl_Pointset_Powerset_Int64_Box_-generalized_affine_image, 1184
ppl_Pointset_Powerset_Int64_Box_-generalized_affine_image_lhs_rhs, 1184
ppl_Pointset_Powerset_Int64_Box_-generalized_affine_preimage, 1184
ppl_Pointset_Powerset_Int64_Box_-generalized_affine_preimage_lhs_rhs, 1185
ppl_Pointset_Powerset_Int64_Box_-geometrically_covers_Pointset_-Powerset_Int64_Box, 1181
ppl_Pointset_Powerset_Int64_Box_-geometrically_equals_Pointset_-Powerset_Int64_Box, 1181
ppl_Pointset_Powerset_Int64_Box_-intersection_assign, 1182
ppl_Pointset_Powerset_Int64_Box_is_-bounded, 1179
ppl_Pointset_Powerset_Int64_Box_is_-discrete, 1179
ppl_Pointset_Powerset_Int64_Box_is_-disjoint_from_Pointset_Powerset_-Int64_Box, 1181
ppl_Pointset_Powerset_Int64_Box_is_empty, 1179
ppl_Pointset_Powerset_Int64_Box_is_-topologically_closed, 1179
ppl_Pointset_Powerset_Int64_Box_is_-universe, 1179
ppl_Pointset_Powerset_Int64_Box_map_-space_dimensions, 1185
ppl_Pointset_Powerset_Int64_Box_maximize, 1180
ppl_Pointset_Powerset_Int64_Box_-maximize_with_point, 1180
ppl_Pointset_Powerset_Int64_Box_minimize, 1180
ppl_Pointset_Powerset_Int64_Box_-minimize_with_point, 1181
ppl_Pointset_Powerset_Int64_Box_OK, 1181
ppl_Pointset_Powerset_Int64_Box_omega_-reduce, 1180
ppl_Pointset_Powerset_Int64_Box_pairwise_-reduce, 1180
ppl_Pointset_Powerset_Int64_Box_refine_-with_congruence, 1182
ppl_Pointset_Powerset_Int64_Box_refine_-with_congruences, 1182
ppl_Pointset_Powerset_Int64_Box_refine_-with_constraint, 1182
ppl_Pointset_Powerset_Int64_Box_refine_-with_constraints, 1182
ppl_Pointset_Powerset_Int64_Box_relation_-with_Congruence, 1179
ppl_Pointset_Powerset_Int64_Box_relation_-with_Constraint, 1179
ppl_Pointset_Powerset_Int64_Box_relation_-with_Generator, 1179
ppl_Pointset_Powerset_Int64_Box_remove_-higher_space_dimensions, 1185
ppl_Pointset_Powerset_Int64_Box_remove_-space_dimensions, 1185
ppl_Pointset_Powerset_Int64_Box_simplify_-using_context_assign, 1183
ppl_Pointset_Powerset_Int64_Box_size, 1186
ppl_Pointset_Powerset_Int64_Box_space_-dimension, 1178
ppl_Pointset_Powerset_Int64_Box_strictly_-

contains_Pointset_Powerset_Int64_Box, 1181
ppl_Pointset_Powerset_Int64_Box_time_-elapse_assign, 1183
ppl_Pointset_Powerset_Int64_Box_-topological_closure_assign, 1180
ppl_Pointset_Powerset_Int64_Box_total_-memory_in_bytes, 1186
ppl_Pointset_Powerset_Int64_Box_-unconstrain_space_dimension, 1183
ppl_Pointset_Powerset_Int64_Box_-unconstrain_space_dimensions, 1184
ppl_Pointset_Powerset_Int64_Box_upper_-bound_assign, 1183
ppl_Pointset_Powerset_Int64_Box_upper_-bound_assign_if_exact, 1183
ppl_Pointset_Powerset_Int64_Box_time_elapse_-assign
ppl_Pointset_Powerset_Int64_Box_tag, 1183
ppl_Pointset_Powerset_Int64_Box_topological_-closure_assign
ppl_Pointset_Powerset_Int64_Box_tag, 1180
ppl_Pointset_Powerset_Int64_Box_total_-memory_in_bytes
ppl_Pointset_Powerset_Int64_Box_tag, 1186
ppl_Pointset_Powerset_Int64_Box_unconstrain_-space_dimension
ppl_Pointset_Powerset_Int64_Box_tag, 1183
ppl_Pointset_Powerset_Int64_Box_unconstrain_-space_dimensions
ppl_Pointset_Powerset_Int64_Box_tag, 1184
ppl_Pointset_Powerset_Int64_Box_upper_bound_-assign
ppl_Pointset_Powerset_Int64_Box_tag, 1183
ppl_Pointset_Powerset_Int64_Box_upper_bound_-assign_if_exact
ppl_Pointset_Powerset_Int64_Box_tag, 1183
ppl_Pointset_Powerset_Int8_Box_add_congruence
ppl_Pointset_Powerset_Int8_Box_tag, 1198
ppl_Pointset_Powerset_Int8_Box_add_-congruences
ppl_Pointset_Powerset_Int8_Box_tag, 1199
ppl_Pointset_Powerset_Int8_Box_add_constraint
ppl_Pointset_Powerset_Int8_Box_tag, 1198
ppl_Pointset_Powerset_Int8_Box_add_constraints
ppl_Pointset_Powerset_Int8_Box_tag, 1199
ppl_Pointset_Powerset_Int8_Box_add_disjunct
ppl_Pointset_Powerset_Int8_Box_tag, 1203
ppl_Pointset_Powerset_Int8_Box_add_space_-dimensions_and_embed
ppl_Pointset_Powerset_Int8_Box_tag, 1202
ppl_Pointset_Powerset_Int8_Box_add_space_-dimensions_and_project
ppl_Pointset_Powerset_Int8_Box_tag, 1202
ppl_Pointset_Powerset_Int8_Box_affine_-dimension
ppl_Pointset_Powerset_Int8_Box_tag, 1195
ppl_Pointset_Powerset_Int8_Box_affine_image
ppl_Pointset_Powerset_Int8_Box_tag, 1201
ppl_Pointset_Powerset_Int8_Box_affine_preimage
ppl_Pointset_Powerset_Int8_Box_tag, 1201
ppl_Pointset_Powerset_Int8_Box_ascii_dump
ppl_Pointset_Powerset_Int8_Box_tag, 1204
ppl_Pointset_Powerset_Int8_Box_ascii_load
ppl_Pointset_Powerset_Int8_Box_tag, 1204
ppl_Pointset_Powerset_Int8_Box_bounded_-affine_image
ppl_Pointset_Powerset_Int8_Box_tag, 1201
ppl_Pointset_Powerset_Int8_Box_bounded_-affine_preimage
ppl_Pointset_Powerset_Int8_Box_tag, 1201
ppl_Pointset_Powerset_Int8_Box_bounds_from_-above
ppl_Pointset_Powerset_Int8_Box_tag, 1197
ppl_Pointset_Powerset_Int8_Box_bounds_from_-below
ppl_Pointset_Powerset_Int8_Box_tag, 1197
ppl_Pointset_Powerset_Int8_Box_concatenate_-assign
ppl_Pointset_Powerset_Int8_Box_tag, 1200
ppl_Pointset_Powerset_Int8_Box_const_iterator_-begin
ppl_Pointset_Powerset_Int8_Box_const_-iterator_tag, 1188
ppl_Pointset_Powerset_Int8_Box_const_iterator_-decrement
ppl_Pointset_Powerset_Int8_Box_const_-iterator_tag, 1188
ppl_Pointset_Powerset_Int8_Box_const_iterator_-dereference
ppl_Pointset_Powerset_Int8_Box_const_-iterator_tag, 1189
ppl_Pointset_Powerset_Int8_Box_const_iterator_-end
ppl_Pointset_Powerset_Int8_Box_const_-iterator_tag, 1188
ppl_Pointset_Powerset_Int8_Box_const_iterator_-equal_test
ppl_Pointset_Powerset_Int8_Box_const_-iterator_tag, 1188
ppl_Pointset_Powerset_Int8_Box_const_iterator_-increment
ppl_Pointset_Powerset_Int8_Box_const_-iterator_tag, 1188
ppl_Pointset_Powerset_Int8_Box_const_iterator_-tag, 1187
ppl_delete_Pointset_Powerset_Int8_Box_-const_iterator, 1189

ppl_new_Pointset_Powerset_Int8_Box_-
const_iterator, 1188
ppl_Pointset_Powerset_Int8_Box_const_-
iterator_begin, 1188
ppl_Pointset_Powerset_Int8_Box_const_-
iterator_decrement, 1188
ppl_Pointset_Powerset_Int8_Box_const_-
iterator_dereference, 1189
ppl_Pointset_Powerset_Int8_Box_const_-
iterator_end, 1188
ppl_Pointset_Powerset_Int8_Box_const_-
iterator_equal_test, 1188
ppl_Pointset_Powerset_Int8_Box_const_-
iterator_increment, 1188
ppl_Pointset_Powerset_Int8_Box_constrains
ppl_Pointset_Powerset_Int8_Box_tag, 1200
ppl_Pointset_Powerset_Int8_Box_contains_-
integer_point
ppl_Pointset_Powerset_Int8_Box_tag, 1196
ppl_Pointset_Powerset_Int8_Box_contains_-
Pointset_Powerset_Int8_Box
ppl_Pointset_Powerset_Int8_Box_tag, 1197
ppl_Pointset_Powerset_Int8_Box_difference_-
assign
ppl_Pointset_Powerset_Int8_Box_tag, 1200
ppl_Pointset_Powerset_Int8_Box_drop_disjunct
ppl_Pointset_Powerset_Int8_Box_tag, 1203
ppl_Pointset_Powerset_Int8_Box_drop_disjuncts
ppl_Pointset_Powerset_Int8_Box_tag, 1203
ppl_Pointset_Powerset_Int8_Box_drop_some_-
non_integer_points
ppl_Pointset_Powerset_Int8_Box_tag, 1202
ppl_Pointset_Powerset_Int8_Box_drop_some_-
non_integer_points_2
ppl_Pointset_Powerset_Int8_Box_tag, 1203
ppl_Pointset_Powerset_Int8_Box_equals_-
Pointset_Powerset_Int8_Box
ppl_Pointset_Powerset_Int8_Box_tag, 1198
ppl_Pointset_Powerset_Int8_Box_expand_space_-
dimension
ppl_Pointset_Powerset_Int8_Box_tag, 1202
ppl_Pointset_Powerset_Int8_Box_external_-
memory_in_bytes
ppl_Pointset_Powerset_Int8_Box_tag, 1203
ppl_Pointset_Powerset_Int8_Box_fold_space_-
dimensions
ppl_Pointset_Powerset_Int8_Box_tag, 1202
ppl_Pointset_Powerset_Int8_Box_generalized_-
affine_image
ppl_Pointset_Powerset_Int8_Box_tag, 1201
ppl_Pointset_Powerset_Int8_Box_generalized_-
affine_image_lhs_rhs
ppl_Pointset_Powerset_Int8_Box_tag, 1201
ppl_Pointset_Powerset_Int8_Box_generalized_-
affine_preimage
ppl_Pointset_Powerset_Int8_Box_tag, 1201
ppl_Pointset_Powerset_Int8_Box_generalized_-
affine_preimage_lhs_rhs
ppl_Pointset_Powerset_Int8_Box_tag, 1201
ppl_Pointset_Powerset_Int8_Box_geometrically_-
covers_Pointset_Powerset_Int8_Box
ppl_Pointset_Powerset_Int8_Box_tag, 1198
ppl_Pointset_Powerset_Int8_Box_geometrically_-
equals_Pointset_Powerset_Int8_Box
ppl_Pointset_Powerset_Int8_Box_tag, 1198
ppl_Pointset_Powerset_Int8_Box_intersection_-
assign
ppl_Pointset_Powerset_Int8_Box_tag, 1199
ppl_Pointset_Powerset_Int8_Box_is_bounded
ppl_Pointset_Powerset_Int8_Box_tag, 1196
ppl_Pointset_Powerset_Int8_Box_is_discrete
ppl_Pointset_Powerset_Int8_Box_tag, 1196
ppl_Pointset_Powerset_Int8_Box_is_disjoint_-
from_Pointset_Powerset_Int8_Box
ppl_Pointset_Powerset_Int8_Box_tag, 1198
ppl_Pointset_Powerset_Int8_Box_is_empty
ppl_Pointset_Powerset_Int8_Box_tag, 1196
ppl_Pointset_Powerset_Int8_Box_is_-
topologically_closed
ppl_Pointset_Powerset_Int8_Box_tag, 1196
ppl_Pointset_Powerset_Int8_Box_is_universe
ppl_Pointset_Powerset_Int8_Box_tag, 1196
ppl_Pointset_Powerset_Int8_Box_iterator_begin
ppl_Pointset_Powerset_Int8_Box_iterator_-
tag, 1190
ppl_Pointset_Powerset_Int8_Box_iterator_-
decrement
ppl_Pointset_Powerset_Int8_Box_iterator_-
tag, 1190
ppl_Pointset_Powerset_Int8_Box_iterator_-
dereference
ppl_Pointset_Powerset_Int8_Box_iterator_-
tag, 1190
ppl_Pointset_Powerset_Int8_Box_iterator_end
ppl_Pointset_Powerset_Int8_Box_iterator_-
tag, 1190
ppl_Pointset_Powerset_Int8_Box_iterator_equal_-
test
ppl_Pointset_Powerset_Int8_Box_iterator_-
tag, 1190
ppl_Pointset_Powerset_Int8_Box_iterator_-
increment
ppl_Pointset_Powerset_Int8_Box_iterator_-
tag, 1190
ppl_Pointset_Powerset_Int8_Box_iterator_tag,
1189

ppl_delete_Pointset_Powerset_Int8_Box_-iterator, 1190
ppl_new_Pointset_Powerset_Int8_Box_-iterator, 1190
ppl_new_Pointset_Powerset_Int8_Box_-iterator_from_iterator, 1190
ppl_Pointset_Powerset_Int8_Box_iterator_-begin, 1190
ppl_Pointset_Powerset_Int8_Box_iterator_-decrement, 1190
ppl_Pointset_Powerset_Int8_Box_iterator_-dereference, 1190
ppl_Pointset_Powerset_Int8_Box_iterator_-end, 1190
ppl_Pointset_Powerset_Int8_Box_iterator_-equal_test, 1190
ppl_Pointset_Powerset_Int8_Box_iterator_-increment, 1190
ppl_Pointset_Powerset_Int8_Box_map_space_-dimensions
ppl_Pointset_Powerset_Int8_Box_tag, 1202
ppl_Pointset_Powerset_Int8_Box_maximize
ppl_Pointset_Powerset_Int8_Box_tag, 1197
ppl_Pointset_Powerset_Int8_Box_maximize_-with_point
ppl_Pointset_Powerset_Int8_Box_tag, 1197
ppl_Pointset_Powerset_Int8_Box_minimize
ppl_Pointset_Powerset_Int8_Box_tag, 1197
ppl_Pointset_Powerset_Int8_Box_minimize_-with_point
ppl_Pointset_Powerset_Int8_Box_tag, 1197
ppl_Pointset_Powerset_Int8_Box_OK
ppl_Pointset_Powerset_Int8_Box_tag, 1198
ppl_Pointset_Powerset_Int8_Box_omega_reduce
ppl_Pointset_Powerset_Int8_Box_tag, 1197
ppl_Pointset_Powerset_Int8_Box_pairwise_reduce
ppl_Pointset_Powerset_Int8_Box_tag, 1196
ppl_Pointset_Powerset_Int8_Box_refine_with_-congruence
ppl_Pointset_Powerset_Int8_Box_tag, 1199
ppl_Pointset_Powerset_Int8_Box_refine_with_-congruences
ppl_Pointset_Powerset_Int8_Box_tag, 1199
ppl_Pointset_Powerset_Int8_Box_refine_with_-constraint
ppl_Pointset_Powerset_Int8_Box_tag, 1199
ppl_Pointset_Powerset_Int8_Box_refine_with_-constraints
ppl_Pointset_Powerset_Int8_Box_tag, 1199
ppl_Pointset_Powerset_Int8_Box_relation_with_-Congruence
ppl_Pointset_Powerset_Int8_Box_tag, 1196
ppl_Pointset_Powerset_Int8_Box_relation_with_-Constraint
ppl_Pointset_Powerset_Int8_Box_tag, 1195
ppl_Pointset_Powerset_Int8_Box_relation_with_-Generator
ppl_Pointset_Powerset_Int8_Box_tag, 1195
ppl_Pointset_Powerset_Int8_Box_remove_-higher_space_dimensions
ppl_Pointset_Powerset_Int8_Box_tag, 1202
ppl_Pointset_Powerset_Int8_Box_remove_space_-dimensions
ppl_Pointset_Powerset_Int8_Box_tag, 1202
ppl_Pointset_Powerset_Int8_Box_simplify_-using_context_assign
ppl_Pointset_Powerset_Int8_Box_tag, 1200
ppl_Pointset_Powerset_Int8_Box_size
ppl_Pointset_Powerset_Int8_Box_tag, 1203
ppl_Pointset_Powerset_Int8_Box_space_-dimension
ppl_Pointset_Powerset_Int8_Box_tag, 1195
ppl_Pointset_Powerset_Int8_Box_strictly_-contains_Pointset_Powerset_Int8_Box
ppl_Pointset_Powerset_Int8_Box_tag, 1198
ppl_Pointset_Powerset_Int8_Box_tag, 1191
ppl_delete_Pointset_Powerset_Int8_Box, 1194
ppl_io_asprint_Pointset_Powerset_Int8_Box, 1204
ppl_io_fprint_Pointset_Powerset_Int8_Box, 1203
ppl_io_print_Pointset_Powerset_Int8_Box, 1203
ppl_new_Pointset_Powerset_Int8_Box_-from_Congruence_System, 1195
ppl_new_Pointset_Powerset_Int8_Box_-from_Constraint_System, 1195
ppl_new_Pointset_Powerset_Int8_Box_-from_Int8_Box, 1194
ppl_new_Pointset_Powerset_Int8_Box_-from_Int8_Box_with_complexity, 1195
ppl_new_Pointset_Powerset_Int8_Box_-from_Pointset_Powerset_Int8_Box, 1194
ppl_new_Pointset_Powerset_Int8_Box_-from_space_dimension, 1194
ppl_Pointset_Powerset_Int8_Box_add_-congruence, 1198
ppl_Pointset_Powerset_Int8_Box_add_-congruences, 1199
ppl_Pointset_Powerset_Int8_Box_add_-constraint, 1198
ppl_Pointset_Powerset_Int8_Box_add_-constraints, 1199
ppl_Pointset_Powerset_Int8_Box_add_-disjunct, 1203

ppl_Pointset_Powerset_Int8_Box_add_-space_dimensions_and_embed, 1202
ppl_Pointset_Powerset_Int8_Box_add_-space_dimensions_and_project, 1202
ppl_Pointset_Powerset_Int8_Box_affine_-dimension, 1195
ppl_Pointset_Powerset_Int8_Box_affine_-image, 1201
ppl_Pointset_Powerset_Int8_Box_affine_-preimage, 1201
ppl_Pointset_Powerset_Int8_Box_ascii_-dump, 1204
ppl_Pointset_Powerset_Int8_Box_ascii_load, 1204
ppl_Pointset_Powerset_Int8_Box_bounded_-affine_image, 1201
ppl_Pointset_Powerset_Int8_Box_bounded_-affine_preimage, 1201
ppl_Pointset_Powerset_Int8_Box_bounds_-from_above, 1197
ppl_Pointset_Powerset_Int8_Box_bounds_-from_below, 1197
ppl_Pointset_Powerset_Int8_Box_-concatenate_assign, 1200
ppl_Pointset_Powerset_Int8_Box_constrains, 1200
ppl_Pointset_Powerset_Int8_Box_contains_-integer_point, 1196
ppl_Pointset_Powerset_Int8_Box_contains_-Pointset_Powerset_Int8_Box, 1197
ppl_Pointset_Powerset_Int8_Box_-difference_assign, 1200
ppl_Pointset_Powerset_Int8_Box_drop_-disjunct, 1203
ppl_Pointset_Powerset_Int8_Box_drop_-disjuncts, 1203
ppl_Pointset_Powerset_Int8_Box_drop_-some_non_integer_points, 1202
ppl_Pointset_Powerset_Int8_Box_drop_-some_non_integer_points_2, 1203
ppl_Pointset_Powerset_Int8_Box_equals_-Pointset_Powerset_Int8_Box, 1198
ppl_Pointset_Powerset_Int8_Box_expand_-space_dimension, 1202
ppl_Pointset_Powerset_Int8_Box_external_-memory_in_bytes, 1203
ppl_Pointset_Powerset_Int8_Box_fold_-space_dimensions, 1202
ppl_Pointset_Powerset_Int8_Box_-generalized_affine_image, 1201
ppl_Pointset_Powerset_Int8_Box_-generalized_affine_image_lhs_rhs, 1201
ppl_Pointset_Powerset_Int8_Box_-generalized_affine_preimage, 1201
ppl_Pointset_Powerset_Int8_Box_-generalized_affine_preimage_lhs_rhs, 1201
ppl_Pointset_Powerset_Int8_Box_-geometrically_covers_Pointset_-Powerset_Int8_Box, 1198
ppl_Pointset_Powerset_Int8_Box_-geometrically_equals_Pointset_-Powerset_Int8_Box, 1198
ppl_Pointset_Powerset_Int8_Box_-intersection_assign, 1199
ppl_Pointset_Powerset_Int8_Box_is_-bounded, 1196
ppl_Pointset_Powerset_Int8_Box_is_discrete, 1196
ppl_Pointset_Powerset_Int8_Box_is_-disjoint_from_Pointset_Powerset_-Int8_Box, 1198
ppl_Pointset_Powerset_Int8_Box_is_empty, 1196
ppl_Pointset_Powerset_Int8_Box_is_-topologically_closed, 1196
ppl_Pointset_Powerset_Int8_Box_is_universe, 1196
ppl_Pointset_Powerset_Int8_Box_map_-space_dimensions, 1202
ppl_Pointset_Powerset_Int8_Box_maximize, 1197
ppl_Pointset_Powerset_Int8_Box_maximize_-with_point, 1197
ppl_Pointset_Powerset_Int8_Box_minimize, 1197
ppl_Pointset_Powerset_Int8_Box_minimize_-with_point, 1197
ppl_Pointset_Powerset_Int8_Box_OK, 1198
ppl_Pointset_Powerset_Int8_Box_omega_-reduce, 1197
ppl_Pointset_Powerset_Int8_Box_pairwise_-reduce, 1196
ppl_Pointset_Powerset_Int8_Box_refine_-with_congruence, 1199
ppl_Pointset_Powerset_Int8_Box_refine_-with_congruences, 1199
ppl_Pointset_Powerset_Int8_Box_refine_-with_constraint, 1199
ppl_Pointset_Powerset_Int8_Box_refine_-with_constraints, 1199
ppl_Pointset_Powerset_Int8_Box_relation_-with_Congruence, 1196
ppl_Pointset_Powerset_Int8_Box_relation_-with_Constraint, 1195
ppl_Pointset_Powerset_Int8_Box_relation_-with_Generator, 1195

ppl_Pointset_Powerset_Int8_Box_remove_higher_space_dimensions, 1202
ppl_Pointset_Powerset_Int8_Box_remove_space_dimensions, 1202
ppl_Pointset_Powerset_Int8_Box_simplify_using_context_assign, 1200
ppl_Pointset_Powerset_Int8_Box_size, 1203
ppl_Pointset_Powerset_Int8_Box_space_dimension, 1195
ppl_Pointset_Powerset_Int8_Box_strictly_contains_Pointset_Powerset_Int8_Box, 1198
ppl_Pointset_Powerset_Int8_Box_time_elapse_assign, 1200
ppl_Pointset_Powerset_Int8_Box_topological_closure_assign, 1196
ppl_Pointset_Powerset_Int8_Box_total_memory_in_bytes, 1203
ppl_Pointset_Powerset_Int8_Box_unconstrain_space_dimension, 1200
ppl_Pointset_Powerset_Int8_Box_unconstrain_space_dimensions, 1200
ppl_Pointset_Powerset_Int8_Box_upper_bound_assign, 1199
ppl_Pointset_Powerset_Int8_Box_upper_bound_assign_if_exact, 1200
ppl_Pointset_Powerset_Int8_Box_time_elapse_assign
ppl_Pointset_Powerset_Int8_Box_tag, 1200
ppl_Pointset_Powerset_Int8_Box_topological_closure_assign
ppl_Pointset_Powerset_Int8_Box_tag, 1196
ppl_Pointset_Powerset_Int8_Box_total_memory_in_bytes
ppl_Pointset_Powerset_Int8_Box_tag, 1203
ppl_Pointset_Powerset_Int8_Box_unconstrain_space_dimension
ppl_Pointset_Powerset_Int8_Box_tag, 1200
ppl_Pointset_Powerset_Int8_Box_unconstrain_space_dimensions
ppl_Pointset_Powerset_Int8_Box_tag, 1200
ppl_Pointset_Powerset_Int8_Box_upper_bound_assign
ppl_Pointset_Powerset_Int8_Box_tag, 1199
ppl_Pointset_Powerset_Int8_Box_upper_bound_assign_if_exact
ppl_Pointset_Powerset_Int8_Box_tag, 1200
ppl_Pointset_Powerset_Long_Double_Box_add_congruence
ppl_Pointset_Powerset_Long_Double_Box_tag, 1216
ppl_Pointset_Powerset_Long_Double_Box_add_congruences
ppl_Pointset_Powerset_Long_Double_Box_tag, 1216
ppl_Pointset_Powerset_Long_Double_Box_add_constraint
ppl_Pointset_Powerset_Long_Double_Box_tag, 1216
ppl_Pointset_Powerset_Long_Double_Box_add_constraints
ppl_Pointset_Powerset_Long_Double_Box_tag, 1216
ppl_Pointset_Powerset_Long_Double_Box_add_disjunct
ppl_Pointset_Powerset_Long_Double_Box_tag, 1221
ppl_Pointset_Powerset_Long_Double_Box_add_space_dimensions_and_embed
ppl_Pointset_Powerset_Long_Double_Box_tag, 1219
ppl_Pointset_Powerset_Long_Double_Box_add_space_dimensions_and_project
ppl_Pointset_Powerset_Long_Double_Box_tag, 1219
ppl_Pointset_Powerset_Long_Double_Box_affine_dimension
ppl_Pointset_Powerset_Long_Double_Box_tag, 1213
ppl_Pointset_Powerset_Long_Double_Box_affine_image
ppl_Pointset_Powerset_Long_Double_Box_tag, 1218
ppl_Pointset_Powerset_Long_Double_Box_affine_preimage
ppl_Pointset_Powerset_Long_Double_Box_tag, 1218
ppl_Pointset_Powerset_Long_Double_Box_ascii_dump
ppl_Pointset_Powerset_Long_Double_Box_tag, 1221
ppl_Pointset_Powerset_Long_Double_Box_ascii_load
ppl_Pointset_Powerset_Long_Double_Box_tag, 1222
ppl_Pointset_Powerset_Long_Double_Box_bounded_affine_image
ppl_Pointset_Powerset_Long_Double_Box_tag, 1218
ppl_Pointset_Powerset_Long_Double_Box_bounded_affine_preimage
ppl_Pointset_Powerset_Long_Double_Box_tag, 1219
ppl_Pointset_Powerset_Long_Double_Box_bounds_from_above
ppl_Pointset_Powerset_Long_Double_Box_tag, 1214

ppl_Pointset_Powerset_Long_Double_Box_-
bounds_from_below
ppl_Pointset_Powerset_Long_Double_Box_-
tag, 1214
ppl_Pointset_Powerset_Long_Double_Box_-
concatenate_assign
ppl_Pointset_Powerset_Long_Double_Box_-
tag, 1217
ppl_Pointset_Powerset_Long_Double_Box_-
const_iterator_begin
ppl_Pointset_Powerset_Long_Double_Box_-
const_iterator_tag, 1205
ppl_Pointset_Powerset_Long_Double_Box_-
const_iterator_decrement
ppl_Pointset_Powerset_Long_Double_Box_-
const_iterator_tag, 1205
ppl_Pointset_Powerset_Long_Double_Box_-
const_iterator_dereference
ppl_Pointset_Powerset_Long_Double_Box_-
const_iterator_tag, 1206
ppl_Pointset_Powerset_Long_Double_Box_-
const_iterator_end
ppl_Pointset_Powerset_Long_Double_Box_-
const_iterator_tag, 1205
ppl_Pointset_Powerset_Long_Double_Box_-
const_iterator_equal_test
ppl_Pointset_Powerset_Long_Double_Box_-
const_iterator_tag, 1205
ppl_Pointset_Powerset_Long_Double_Box_-
const_iterator_increment
ppl_Pointset_Powerset_Long_Double_Box_-
const_iterator_tag, 1205
ppl_Pointset_Powerset_Long_Double_Box_-
const_iterator_tag, 1204
ppl_delete_Pointset_Powerset_Long_-
Double_Box_const_iterator, 1206
ppl_new_Pointset_Powerset_Long_Double_-
Box_const_iterator, 1205
ppl_Pointset_Powerset_Long_Double_Box_-
const_iterator_begin, 1205
ppl_Pointset_Powerset_Long_Double_Box_-
const_iterator_decrement, 1205
ppl_Pointset_Powerset_Long_Double_Box_-
const_iterator_dereference, 1206
ppl_Pointset_Powerset_Long_Double_Box_-
const_iterator_end, 1205
ppl_Pointset_Powerset_Long_Double_Box_-
const_iterator_increment, 1205
ppl_Pointset_Powerset_Long_Double_Box_-
constrains
ppl_Pointset_Powerset_Long_Double_Box_-
tag, 1218
ppl_Pointset_Powerset_Long_Double_Box_-
contains_integer_point
ppl_Pointset_Powerset_Long_Double_Box_-
tag, 1214
ppl_Pointset_Powerset_Long_Double_Box_-
contains_Pointset_Powerset_Long_-
Double_Box
ppl_Pointset_Powerset_Long_Double_Box_-
tag, 1215
ppl_Pointset_Powerset_Long_Double_Box_-
difference_assign
ppl_Pointset_Powerset_Long_Double_Box_-
tag, 1217
ppl_Pointset_Powerset_Long_Double_Box_drop_-
disjunct
ppl_Pointset_Powerset_Long_Double_Box_-
tag, 1221
ppl_Pointset_Powerset_Long_Double_Box_drop_-
disjuncts
ppl_Pointset_Powerset_Long_Double_Box_-
tag, 1221
ppl_Pointset_Powerset_Long_Double_Box_drop_-
some_non_integer_points
ppl_Pointset_Powerset_Long_Double_Box_-
tag, 1220
ppl_Pointset_Powerset_Long_Double_Box_drop_-
some_non_integer_points_2
ppl_Pointset_Powerset_Long_Double_Box_-
tag, 1220
ppl_Pointset_Powerset_Long_Double_Box_-
equals_Pointset_Powerset_Long_-
Double_Box
ppl_Pointset_Powerset_Long_Double_Box_-
tag, 1216
ppl_Pointset_Powerset_Long_Double_Box_-
expand_space_dimension
ppl_Pointset_Powerset_Long_Double_Box_-
tag, 1220
ppl_Pointset_Powerset_Long_Double_Box_-
external_memory_in_bytes
ppl_Pointset_Powerset_Long_Double_Box_-
tag, 1220
ppl_Pointset_Powerset_Long_Double_Box_fold_-
space_dimensions
ppl_Pointset_Powerset_Long_Double_Box_-
tag, 1220
ppl_Pointset_Powerset_Long_Double_Box_-
generalized_affine_image
ppl_Pointset_Powerset_Long_Double_Box_-
tag, 1219
ppl_Pointset_Powerset_Long_Double_Box_-
generalized_affine_image_lhs_rhs
ppl_Pointset_Powerset_Long_Double_Box_-
tag, 1219
ppl_Pointset_Powerset_Long_Double_Box_-
generalized_affine_preimage

ppl_Pointset_Powerset_Long_Double_Box_-tag, 1219
ppl_Pointset_Powerset_Long_Double_Box_-generalized_affine_preimage_lhs_rhs
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1219
ppl_Pointset_Powerset_Long_Double_Box_-geometrically_covers_Pointset_-Powerset_Long_Double_Box
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1215
ppl_Pointset_Powerset_Long_Double_Box_-geometrically_equals_Pointset_-Powerset_Long_Double_Box
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1216
ppl_Pointset_Powerset_Long_Double_Box_-intersection_assign
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1217
ppl_Pointset_Powerset_Long_Double_Box_is_-bounded
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1214
ppl_Pointset_Powerset_Long_Double_Box_is_-discrete
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1214
ppl_Pointset_Powerset_Long_Double_Box_-is_disjoint_from_Pointset_Powerset_-Long_Double_Box
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1215
ppl_Pointset_Powerset_Long_Double_Box_is_-empty
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1213
ppl_Pointset_Powerset_Long_Double_Box_is_-topologically_closed
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1214
ppl_Pointset_Powerset_Long_Double_Box_is_-universe
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1213
ppl_Pointset_Powerset_Long_Double_Box_-iterator_begin
ppl_Pointset_Powerset_Long_Double_Box_-iterator_tag, 1207
ppl_Pointset_Powerset_Long_Double_Box_-iterator_decrement
ppl_Pointset_Powerset_Long_Double_Box_-iterator_tag, 1207
ppl_Pointset_Powerset_Long_Double_Box_-iterator_dereference
ppl_Pointset_Powerset_Long_Double_Box_-iterator_tag, 1207
ppl_Pointset_Powerset_Long_Double_Box_-iterator_end
ppl_Pointset_Powerset_Long_Double_Box_-iterator_tag, 1207
ppl_Pointset_Powerset_Long_Double_Box_-iterator_equal_test
ppl_Pointset_Powerset_Long_Double_Box_-iterator_tag, 1207
ppl_Pointset_Powerset_Long_Double_Box_-iterator_increment
ppl_Pointset_Powerset_Long_Double_Box_-iterator_tag, 1207
ppl_Pointset_Powerset_Long_Double_Box_-iterator_tag, 1206
ppl_delete_Pointset_Powerset_Long_-Double_Box_iterator, 1208
ppl_new_Pointset_Powerset_Long_Double_-Box_iterator, 1207
ppl_new_Pointset_Powerset_Long_Double_-Box_iterator_from_iterator, 1207
ppl_Pointset_Powerset_Long_Double_Box_-iterator_begin, 1207
ppl_Pointset_Powerset_Long_Double_Box_-iterator_decrement, 1207
ppl_Pointset_Powerset_Long_Double_Box_-iterator_dereference, 1207
ppl_Pointset_Powerset_Long_Double_Box_-iterator_end, 1207
ppl_Pointset_Powerset_Long_Double_Box_-iterator_equal_test, 1207
ppl_Pointset_Powerset_Long_Double_Box_-iterator_increment, 1207
ppl_Pointset_Powerset_Long_Double_Box_map_-space_dimensions
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1220
ppl_Pointset_Powerset_Long_Double_Box_-maximize
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1215
ppl_Pointset_Powerset_Long_Double_Box_-maximize_with_point
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1215
ppl_Pointset_Powerset_Long_Double_Box_-minimize
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1215
ppl_Pointset_Powerset_Long_Double_Box_-minimize_with_point

ppl_Pointset_Powerset_Long_Double_Box_-tag, 1215
ppl_Pointset_Powerset_Long_Double_Box_OK
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1216
ppl_Pointset_Powerset_Long_Double_Box_-omega_reduce
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1214
ppl_Pointset_Powerset_Long_Double_Box_-pairwise_reduce
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1214
ppl_Pointset_Powerset_Long_Double_Box_-refine_with_congruence
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1217
ppl_Pointset_Powerset_Long_Double_Box_-refine_with_congruences
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1217
ppl_Pointset_Powerset_Long_Double_Box_-refine_with_constraint
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1216
ppl_Pointset_Powerset_Long_Double_Box_-refine_with_constraints
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1217
ppl_Pointset_Powerset_Long_Double_Box_-relation_with_Congruence
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1213
ppl_Pointset_Powerset_Long_Double_Box_-relation_with_Constraint
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1213
ppl_Pointset_Powerset_Long_Double_Box_-relation_with_Generator
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1213
ppl_Pointset_Powerset_Long_Double_Box_-remove_higher_space_dimensions
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1220
ppl_Pointset_Powerset_Long_Double_Box_-remove_space_dimensions
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1220
ppl_Pointset_Powerset_Long_Double_Box_-simplify_using_context_assign
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1218
ppl_Pointset_Powerset_Long_Double_Box_size
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1221
ppl_Pointset_Powerset_Long_Double_Box_-space_dimension
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1213
ppl_Pointset_Powerset_Long_Double_Box_-strictly_contains_Pointset_Powerset_-Long_Double_Box
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1215
ppl_Pointset_Powerset_Long_Double_Box_tag, 1208
ppl_delete_Pointset_Powerset_Long_-Double_Box, 1212
ppl_io_asprint_Pointset_Powerset_Long_-Double_Box, 1221
ppl_io_fprint_Pointset_Powerset_Long_-Double_Box, 1221
ppl_io_print_Pointset_Powerset_Long_-Double_Box, 1221
ppl_new_Pointset_Powerset_Long_Double_-Box_from_Congruence_System, 1213
ppl_new_Pointset_Powerset_Long_Double_-Box_from_Constraint_System, 1212
ppl_new_Pointset_Powerset_Long_Double_-Box_from_Long_Double_Box, 1212
ppl_new_Pointset_Powerset_Long_Double_-Box_from_space_dimension, 1212
ppl_Pointset_Powerset_Long_Double_Box_-add_congruence, 1216
ppl_Pointset_Powerset_Long_Double_Box_-add_congruences, 1216
ppl_Pointset_Powerset_Long_Double_Box_-add_constraint, 1216
ppl_Pointset_Powerset_Long_Double_Box_-add_constraints, 1216
ppl_Pointset_Powerset_Long_Double_Box_-add_disjunct, 1221
ppl_Pointset_Powerset_Long_Double_Box_-add_space_dimensions_and_embed, 1219
ppl_Pointset_Powerset_Long_Double_Box_-add_space_dimensions_and_project, 1219
ppl_Pointset_Powerset_Long_Double_Box_-affine_dimension, 1213
ppl_Pointset_Powerset_Long_Double_Box_-affine_image, 1218
ppl_Pointset_Powerset_Long_Double_Box_-affine_preimage, 1218
ppl_Pointset_Powerset_Long_Double_Box_-ascii_dump, 1221
ppl_Pointset_Powerset_Long_Double_Box_-

ascii_load, 1222
ppl_Pointset_Powerset_Long_Double_Box_-bounded_affine_image, 1218
ppl_Pointset_Powerset_Long_Double_Box_-bounded_affine_preimage, 1219
ppl_Pointset_Powerset_Long_Double_Box_-bounds_from_above, 1214
ppl_Pointset_Powerset_Long_Double_Box_-bounds_from_below, 1214
ppl_Pointset_Powerset_Long_Double_Box_-concatenate_assign, 1217
ppl_Pointset_Powerset_Long_Double_Box_-constrains, 1218
ppl_Pointset_Powerset_Long_Double_Box_-contains_integer_point, 1214
ppl_Pointset_Powerset_Long_Double_Box_-difference_assign, 1217
ppl_Pointset_Powerset_Long_Double_Box_-drop_disjunct, 1221
ppl_Pointset_Powerset_Long_Double_Box_-drop_disjuncts, 1221
ppl_Pointset_Powerset_Long_Double_Box_-drop_some_non_integer_points, 1220
ppl_Pointset_Powerset_Long_Double_Box_-drop_some_non_integer_points_2, 1220
ppl_Pointset_Powerset_Long_Double_Box_-expand_space_dimension, 1220
ppl_Pointset_Powerset_Long_Double_Box_-external_memory_in_bytes, 1220
ppl_Pointset_Powerset_Long_Double_Box_-fold_space_dimensions, 1220
ppl_Pointset_Powerset_Long_Double_Box_-generalized_affine_image, 1219
ppl_Pointset_Powerset_Long_Double_Box_-generalized_affine_image_lhs_rhs, 1219
ppl_Pointset_Powerset_Long_Double_Box_-generalized_affine_preimage, 1219
ppl_Pointset_Powerset_Long_Double_Box_-generalized_affine_preimage_lhs_rhs, 1219
ppl_Pointset_Powerset_Long_Double_Box_-intersection_assign, 1217
ppl_Pointset_Powerset_Long_Double_Box_-is_bounded, 1214
ppl_Pointset_Powerset_Long_Double_Box_-is_discrete, 1214
ppl_Pointset_Powerset_Long_Double_Box_-is_empty, 1213
ppl_Pointset_Powerset_Long_Double_Box_-is_topologically_closed, 1214
ppl_Pointset_Powerset_Long_Double_Box_-is_universe, 1213
ppl_Pointset_Powerset_Long_Double_Box_-map_space_dimensions, 1220
ppl_Pointset_Powerset_Long_Double_Box_-maximize, 1215
ppl_Pointset_Powerset_Long_Double_Box_-maximize_with_point, 1215
ppl_Pointset_Powerset_Long_Double_Box_-minimize, 1215
ppl_Pointset_Powerset_Long_Double_Box_-minimize_with_point, 1215
ppl_Pointset_Powerset_Long_Double_Box_-OK, 1216
ppl_Pointset_Powerset_Long_Double_Box_-omega_reduce, 1214
ppl_Pointset_Powerset_Long_Double_Box_-pairwise_reduce, 1214
ppl_Pointset_Powerset_Long_Double_Box_-refine_with_congruence, 1217
ppl_Pointset_Powerset_Long_Double_Box_-refine_with_congruences, 1217
ppl_Pointset_Powerset_Long_Double_Box_-refine_with_constraint, 1216
ppl_Pointset_Powerset_Long_Double_Box_-refine_with_constraints, 1217
ppl_Pointset_Powerset_Long_Double_Box_-relation_with_Congruence, 1213
ppl_Pointset_Powerset_Long_Double_Box_-relation_with_Constraint, 1213
ppl_Pointset_Powerset_Long_Double_Box_-relation_with_Generator, 1213
ppl_Pointset_Powerset_Long_Double_Box_-remove_higher_space_dimensions, 1220
ppl_Pointset_Powerset_Long_Double_Box_-remove_space_dimensions, 1220
ppl_Pointset_Powerset_Long_Double_Box_-simplify_using_context_assign, 1218
ppl_Pointset_Powerset_Long_Double_Box_-size, 1221
ppl_Pointset_Powerset_Long_Double_Box_-space_dimension, 1213
ppl_Pointset_Powerset_Long_Double_Box_-time_elapse_assign, 1217
ppl_Pointset_Powerset_Long_Double_Box_-topological_closure_assign, 1214
ppl_Pointset_Powerset_Long_Double_Box_-total_memory_in_bytes, 1221
ppl_Pointset_Powerset_Long_Double_Box_-unconstrain_space_dimension, 1218
ppl_Pointset_Powerset_Long_Double_Box_-unconstrain_space_dimensions, 1218
ppl_Pointset_Powerset_Long_Double_Box_-upper_bound_assign, 1217
ppl_Pointset_Powerset_Long_Double_Box_-upper_bound_assign_if_exact, 1218
ppl_Pointset_Powerset_Long_Double_Box_time_-elapse_assign

ppl_Pointset_Powerset_Long_Double_Box_-tag, 1217
ppl_Pointset_Powerset_Long_Double_Box_-topological_closure_assign
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1214
ppl_Pointset_Powerset_Long_Double_Box_total_-memory_in_bytes
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1221
ppl_Pointset_Powerset_Long_Double_Box_-unconstrain_space_dimension
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1218
ppl_Pointset_Powerset_Long_Double_Box_-unconstrain_space_dimensions
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1218
ppl_Pointset_Powerset_Long_Double_Box_-upper_bound_assign
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1217
ppl_Pointset_Powerset_Long_Double_Box_-upper_bound_assign_if_exact
ppl_Pointset_Powerset_Long_Double_Box_-tag, 1218
ppl_Pointset_Powerset_NNC_Polyhedron_add_-congruence
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1234
ppl_Pointset_Powerset_NNC_Polyhedron_add_-congruences
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1234
ppl_Pointset_Powerset_NNC_Polyhedron_add_-constraint
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1234
ppl_Pointset_Powerset_NNC_Polyhedron_add_-constraints
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1234
ppl_Pointset_Powerset_NNC_Polyhedron_add_-disjunct
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1238
ppl_Pointset_Powerset_NNC_Polyhedron_add_-space_dimensions_and_embed
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1237
ppl_Pointset_Powerset_NNC_Polyhedron_add_-space_dimensions_and_project
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1237
ppl_Pointset_Powerset_NNC_Polyhedron_affine_-dimension
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1231
ppl_Pointset_Powerset_NNC_Polyhedron_affine_-image
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1236
ppl_Pointset_Powerset_NNC_Polyhedron_affine_-preimage
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1236
ppl_Pointset_Powerset_NNC_Polyhedron_ascii_-dump
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1240
ppl_Pointset_Powerset_NNC_Polyhedron_ascii_-load
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1240
ppl_Pointset_Powerset_NNC_Polyhedron_-BGP99_BHRZ03_extrapolation_assign
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1239
ppl_Pointset_Powerset_NNC_Polyhedron_-BGP99_H79_extrapolation_assign
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1239
ppl_Pointset_Powerset_NNC_Polyhedron_-BHZ03_BHRZ03_BHRZ03_widening_-assign
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1239
ppl_Pointset_Powerset_NNC_Polyhedron_-BHZ03_H79_H79_widening_assign
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1239
ppl_Pointset_Powerset_NNC_Polyhedron_-bounded_affine_image
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1236
ppl_Pointset_Powerset_NNC_Polyhedron_-bounded_affine_preimage
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1236
ppl_Pointset_Powerset_NNC_Polyhedron_-bounds_from_above
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1232
ppl_Pointset_Powerset_NNC_Polyhedron_-bounds_from_below
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1232
ppl_Pointset_Powerset_NNC_Polyhedron_-

concatenate_assign
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1235
ppl_Pointset_Powerset_NNC_Polyhedron_const_-
iterator_begin
ppl_Pointset_Powerset_NNC_Polyhedron_-
const_iterator_tag, 1223
ppl_Pointset_Powerset_NNC_Polyhedron_const_-
iterator_decrement
ppl_Pointset_Powerset_NNC_Polyhedron_-
const_iterator_tag, 1223
ppl_Pointset_Powerset_NNC_Polyhedron_const_-
iterator_dereference
ppl_Pointset_Powerset_NNC_Polyhedron_-
const_iterator_tag, 1223
ppl_Pointset_Powerset_NNC_Polyhedron_const_-
iterator_end
ppl_Pointset_Powerset_NNC_Polyhedron_-
const_iterator_tag, 1223
ppl_Pointset_Powerset_NNC_Polyhedron_const_-
iterator_equal_test
ppl_Pointset_Powerset_NNC_Polyhedron_-
const_iterator_tag, 1223
ppl_Pointset_Powerset_NNC_Polyhedron_const_-
iterator_increment
ppl_Pointset_Powerset_NNC_Polyhedron_-
const_iterator_tag, 1223
ppl_Pointset_Powerset_NNC_Polyhedron_const_-
iterator_tag, 1222
ppl_delete_Pointset_Powerset_NNC_-
Polyhedron_const_iterator, 1223
ppl_new_Pointset_Powerset_NNC_-
Polyhedron_const_iterator, 1223
ppl_Pointset_Powerset_NNC_Polyhedron_-
const_iterator_begin, 1223
ppl_Pointset_Powerset_NNC_Polyhedron_-
const_iterator_decrement, 1223
ppl_Pointset_Powerset_NNC_Polyhedron_-
const_iterator_dereference, 1223
ppl_Pointset_Powerset_NNC_Polyhedron_-
const_iterator_end, 1223
ppl_Pointset_Powerset_NNC_Polyhedron_-
const_iterator_equal_test, 1223
ppl_Pointset_Powerset_NNC_Polyhedron_-
const_iterator_increment, 1223
ppl_Pointset_Powerset_NNC_Polyhedron_-
constrains
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1236
ppl_Pointset_Powerset_NNC_Polyhedron_-
contains_integer_point
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1231
ppl_Pointset_Powerset_NNC_Polyhedron_-
contains_Pointset_Powerset_NNC_-
Polyhedron
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1233
ppl_Pointset_Powerset_NNC_Polyhedron_-
difference_assign
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1235
ppl_Pointset_Powerset_NNC_Polyhedron_drop_-
disjunct
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1239
ppl_Pointset_Powerset_NNC_Polyhedron_drop_-
disjuncts
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1239
ppl_Pointset_Powerset_NNC_Polyhedron_drop_-
some_non_integer_points
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1238
ppl_Pointset_Powerset_NNC_Polyhedron_drop_-
some_non_integer_points_2
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1238
ppl_Pointset_Powerset_NNC_Polyhedron_-
equals_Pointset_Powerset_NNC_-
Polyhedron
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1233
ppl_Pointset_Powerset_NNC_Polyhedron_-
expand_space_dimension
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1237
ppl_Pointset_Powerset_NNC_Polyhedron_-
external_memory_in_bytes
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1238
ppl_Pointset_Powerset_NNC_Polyhedron_fold_-
space_dimensions
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1238
ppl_Pointset_Powerset_NNC_Polyhedron_-
generalized_affine_image
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1236
ppl_Pointset_Powerset_NNC_Polyhedron_-
generalized_affine_image_lhs_rhs
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1237
ppl_Pointset_Powerset_NNC_Polyhedron_-
generalized_affine_preimage
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1237
ppl_Pointset_Powerset_NNC_Polyhedron_-

generalized_affine_preimage_lhs_rhs
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1237
ppl_Pointset_Powerset_NNC_Polyhedron_-
geometrically_covers_Pointset_-
Powerset_NNC_Polyhedron
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1233
ppl_Pointset_Powerset_NNC_Polyhedron_-
geometrically_equals_Pointset_-
Powerset_NNC_Polyhedron
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1233
ppl_Pointset_Powerset_NNC_Polyhedron_-
intersection_assign
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1235
ppl_Pointset_Powerset_NNC_Polyhedron_is_-
bounded
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1231
ppl_Pointset_Powerset_NNC_Polyhedron_is_-
discrete
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1232
ppl_Pointset_Powerset_NNC_Polyhedron_is_-
disjoint_from_Pointset_Powerset_-
NNC_Polyhedron
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1233
ppl_Pointset_Powerset_NNC_Polyhedron_is_-
empty
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1231
ppl_Pointset_Powerset_NNC_Polyhedron_is_-
topologically_closed
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1232
ppl_Pointset_Powerset_NNC_Polyhedron_is_-
universe
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1231
ppl_Pointset_Powerset_NNC_Polyhedron_-
iterator_begin
ppl_Pointset_Powerset_NNC_Polyhedron_-
iterator_tag, 1225
ppl_Pointset_Powerset_NNC_Polyhedron_-
iterator_decrement
ppl_Pointset_Powerset_NNC_Polyhedron_-
iterator_tag, 1225
ppl_Pointset_Powerset_NNC_Polyhedron_-
iterator_dereference
ppl_Pointset_Powerset_NNC_Polyhedron_-
iterator_tag, 1225
ppl_Pointset_Powerset_NNC_Polyhedron_-
iterator_end
ppl_Pointset_Powerset_NNC_Polyhedron_-
iterator_tag, 1225
ppl_Pointset_Powerset_NNC_Polyhedron_-
iterator_equal_test
ppl_Pointset_Powerset_NNC_Polyhedron_-
iterator_tag, 1225
ppl_Pointset_Powerset_NNC_Polyhedron_-
iterator_increment
ppl_Pointset_Powerset_NNC_Polyhedron_-
iterator_tag, 1225
ppl_Pointset_Powerset_NNC_Polyhedron_-
iterator_tag, 1224
ppl_delete_Pointset_Powerset_NNC_-
Polyhedron_iterator, 1225
ppl_new_Pointset_Powerset_NNC_-
Polyhedron_iterator, 1224
ppl_new_Pointset_Powerset_NNC_-
Polyhedron_iterator_from_iterator,
1224
ppl_Pointset_Powerset_NNC_Polyhedron_-
iterator_begin, 1225
ppl_Pointset_Powerset_NNC_Polyhedron_-
iterator_decrement, 1225
ppl_Pointset_Powerset_NNC_Polyhedron_-
iterator_dereference, 1225
ppl_Pointset_Powerset_NNC_Polyhedron_-
iterator_end, 1225
ppl_Pointset_Powerset_NNC_Polyhedron_-
iterator_equal_test, 1225
ppl_Pointset_Powerset_NNC_Polyhedron_-
iterator_increment, 1225
ppl_Pointset_Powerset_NNC_Polyhedron_map_-
space_dimensions
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1238
ppl_Pointset_Powerset_NNC_Polyhedron_-
maximize
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1232
ppl_Pointset_Powerset_NNC_Polyhedron_-
maximize_with_point
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1233
ppl_Pointset_Powerset_NNC_Polyhedron_-
minimize
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1232
ppl_Pointset_Powerset_NNC_Polyhedron_-
minimize_with_point
ppl_Pointset_Powerset_NNC_Polyhedron_-
tag, 1233
ppl_Pointset_Powerset_NNC_Polyhedron_OK

ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1234
ppl_Pointset_Powerset_NNC_Polyhedron_-omega_reduce
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1232
ppl_Pointset_Powerset_NNC_Polyhedron_-pairwise_reduce
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1232
ppl_Pointset_Powerset_NNC_Polyhedron_refine_-with_congruence
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1234
ppl_Pointset_Powerset_NNC_Polyhedron_refine_-with_congruences
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1235
ppl_Pointset_Powerset_NNC_Polyhedron_refine_-with_constraint
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1234
ppl_Pointset_Powerset_NNC_Polyhedron_refine_-with_constraints
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1234
ppl_Pointset_Powerset_NNC_Polyhedron_-relation_with_Congruence
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1231
ppl_Pointset_Powerset_NNC_Polyhedron_-relation_with_Constraint
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1231
ppl_Pointset_Powerset_NNC_Polyhedron_-relation_with_Generator
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1231
ppl_Pointset_Powerset_NNC_Polyhedron_-remove_higher_space_dimensions
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1237
ppl_Pointset_Powerset_NNC_Polyhedron_-remove_space_dimensions
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1237
ppl_Pointset_Powerset_NNC_Polyhedron_-simplify_using_context_assign
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1235
ppl_Pointset_Powerset_NNC_Polyhedron_size
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1238
ppl_Pointset_Powerset_NNC_Polyhedron_space_-dimension
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1230
ppl_Pointset_Powerset_NNC_Polyhedron_-strictly_contains_Pointset_Powerset_-NNC_Polyhedron
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1233
ppl_Pointset_Powerset_NNC_Polyhedron_tag, 1226
ppl_delete_Pointset_Powerset_NNC_-Polyhedron, 1230
ppl_io_asprint_Pointset_Powerset_NNC_-Polyhedron, 1240
ppl_io_fprint_Pointset_Powerset_NNC_-Polyhedron, 1239
ppl_io_print_Pointset_Powerset_NNC_-Polyhedron, 1239
ppl_new_Pointset_Powerset_NNC_-Polyhedron_from_Congruence_System, 1230
ppl_new_Pointset_Powerset_NNC_-Polyhedron_from_Constraint_System, 1230
ppl_new_Pointset_Powerset_NNC_-Polyhedron_from_NNC_Polyhedron, 1230
ppl_new_Pointset_Powerset_NNC_-Polyhedron_from_NNC_Polyhedron_-with_complexity, 1230
ppl_new_Pointset_Powerset_NNC_-Polyhedron_from_Pointset_Powerset_-NNC_Polyhedron, 1230
ppl_new_Pointset_Powerset_NNC_-Polyhedron_from_space_dimension, 1230
ppl_Pointset_Powerset_NNC_Polyhedron_-add_congruence, 1234
ppl_Pointset_Powerset_NNC_Polyhedron_-add_congruences, 1234
ppl_Pointset_Powerset_NNC_Polyhedron_-add_constraint, 1234
ppl_Pointset_Powerset_NNC_Polyhedron_-add_constraints, 1234
ppl_Pointset_Powerset_NNC_Polyhedron_-add_disjunct, 1238
ppl_Pointset_Powerset_NNC_Polyhedron_-add_space_dimensions_and_embed, 1237
ppl_Pointset_Powerset_NNC_Polyhedron_-add_space_dimensions_and_project, 1237
ppl_Pointset_Powerset_NNC_Polyhedron_-

affine_dimension, 1231
ppl_Pointset_Powerset_NNC_Polyhedron_-affine_image, 1236
ppl_Pointset_Powerset_NNC_Polyhedron_-affine_preimage, 1236
ppl_Pointset_Powerset_NNC_Polyhedron_-ascii_dump, 1240
ppl_Pointset_Powerset_NNC_Polyhedron_-ascii_load, 1240
ppl_Pointset_Powerset_NNC_Polyhedron_-BGP99_BHRZ03_extrapolation_assign, 1239
ppl_Pointset_Powerset_NNC_Polyhedron_-BGP99_H79_extrapolation_assign, 1239
ppl_Pointset_Powerset_NNC_Polyhedron_-BHZ03_BHRZ03_BHRZ03_widening_-assign, 1239
ppl_Pointset_Powerset_NNC_Polyhedron_-BHZ03_H79_H79_widening_assign, 1239
ppl_Pointset_Powerset_NNC_Polyhedron_-bounded_affine_image, 1236
ppl_Pointset_Powerset_NNC_Polyhedron_-bounded_affine_preimage, 1236
ppl_Pointset_Powerset_NNC_Polyhedron_-bounds_from_above, 1232
ppl_Pointset_Powerset_NNC_Polyhedron_-bounds_from_below, 1232
ppl_Pointset_Powerset_NNC_Polyhedron_-concatenate_assign, 1235
ppl_Pointset_Powerset_NNC_Polyhedron_-constrains, 1236
ppl_Pointset_Powerset_NNC_Polyhedron_-contains_integer_point, 1231
ppl_Pointset_Powerset_NNC_Polyhedron_-contains_Pointset_Powerset_NNC_-Polyhedron, 1233
ppl_Pointset_Powerset_NNC_Polyhedron_-difference_assign, 1235
ppl_Pointset_Powerset_NNC_Polyhedron_-drop_disjunct, 1239
ppl_Pointset_Powerset_NNC_Polyhedron_-drop_disjuncts, 1239
ppl_Pointset_Powerset_NNC_Polyhedron_-drop_some_non_integer_points, 1238
ppl_Pointset_Powerset_NNC_Polyhedron_-drop_some_non_integer_points_2, 1238
ppl_Pointset_Powerset_NNC_Polyhedron_-equals_Pointset_Powerset_NNC_-Polyhedron, 1233
ppl_Pointset_Powerset_NNC_Polyhedron_-expand_space_dimension, 1237
ppl_Pointset_Powerset_NNC_Polyhedron_-external_memory_in_bytes, 1238
ppl_Pointset_Powerset_NNC_Polyhedron_-fold_space_dimensions, 1238
ppl_Pointset_Powerset_NNC_Polyhedron_-generalized_affine_image, 1236
ppl_Pointset_Powerset_NNC_Polyhedron_-generalized_affine_image_lhs_rhs, 1237
ppl_Pointset_Powerset_NNC_Polyhedron_-generalized_affine_preimage, 1237
ppl_Pointset_Powerset_NNC_Polyhedron_-generalized_affine_preimage_lhs_rhs, 1237
ppl_Pointset_Powerset_NNC_Polyhedron_-geometrically_covers_Pointset_-Powerset_NNC_Polyhedron, 1233
ppl_Pointset_Powerset_NNC_Polyhedron_-geometrically_equals_Pointset_-Powerset_NNC_Polyhedron, 1233
ppl_Pointset_Powerset_NNC_Polyhedron_-intersection_assign, 1235
ppl_Pointset_Powerset_NNC_Polyhedron_-is_bounded, 1231
ppl_Pointset_Powerset_NNC_Polyhedron_-is_discrete, 1232
ppl_Pointset_Powerset_NNC_Polyhedron_-is_disjoint_from_Pointset_Powerset_-NNC_Polyhedron, 1233
ppl_Pointset_Powerset_NNC_Polyhedron_-is_empty, 1231
ppl_Pointset_Powerset_NNC_Polyhedron_-is_topologically_closed, 1232
ppl_Pointset_Powerset_NNC_Polyhedron_-is_universe, 1231
ppl_Pointset_Powerset_NNC_Polyhedron_-map_space_dimensions, 1238
ppl_Pointset_Powerset_NNC_Polyhedron_-maximize, 1232
ppl_Pointset_Powerset_NNC_Polyhedron_-maximize_with_point, 1233
ppl_Pointset_Powerset_NNC_Polyhedron_-minimize, 1232
ppl_Pointset_Powerset_NNC_Polyhedron_-minimize_with_point, 1233
ppl_Pointset_Powerset_NNC_Polyhedron_-OK, 1234
ppl_Pointset_Powerset_NNC_Polyhedron_-omega_reduce, 1232
ppl_Pointset_Powerset_NNC_Polyhedron_-pairwise_reduce, 1232
ppl_Pointset_Powerset_NNC_Polyhedron_-refine_with_congruence, 1234
ppl_Pointset_Powerset_NNC_Polyhedron_-refine_with_congruences, 1235
ppl_Pointset_Powerset_NNC_Polyhedron_-refine_with_constraint, 1234

ppl_Pointset_Powerset_NNC_Polyhedron_-refine_with_constraints, 1234
ppl_Pointset_Powerset_NNC_Polyhedron_-relation_with_Congruence, 1231
ppl_Pointset_Powerset_NNC_Polyhedron_-relation_with_Constraint, 1231
ppl_Pointset_Powerset_NNC_Polyhedron_-relation_with_Generator, 1231
ppl_Pointset_Powerset_NNC_Polyhedron_-remove_higher_space_dimensions, 1237
ppl_Pointset_Powerset_NNC_Polyhedron_-remove_space_dimensions, 1237
ppl_Pointset_Powerset_NNC_Polyhedron_-simplify_using_context_assign, 1235
ppl_Pointset_Powerset_NNC_Polyhedron_-size, 1238
ppl_Pointset_Powerset_NNC_Polyhedron_-space_dimension, 1230
ppl_Pointset_Powerset_NNC_Polyhedron_-strictly_contains_Pointset_Powerset_-NNC_Polyhedron, 1233
ppl_Pointset_Powerset_NNC_Polyhedron_-time_elapse_assign, 1235
ppl_Pointset_Powerset_NNC_Polyhedron_-topological_closure_assign, 1232
ppl_Pointset_Powerset_NNC_Polyhedron_-total_memory_in_bytes, 1238
ppl_Pointset_Powerset_NNC_Polyhedron_-unconstrain_space_dimension, 1236
ppl_Pointset_Powerset_NNC_Polyhedron_-unconstrain_space_dimensions, 1236
ppl_Pointset_Powerset_NNC_Polyhedron_-upper_bound_assign, 1235
ppl_Pointset_Powerset_NNC_Polyhedron_-upper_bound_assign_if_exact, 1235
ppl_Pointset_Powerset_NNC_Polyhedron_time_-elapse_assign
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1235
ppl_Pointset_Powerset_NNC_Polyhedron_-topological_closure_assign
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1232
ppl_Pointset_Powerset_NNC_Polyhedron_total_-memory_in_bytes
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1238
ppl_Pointset_Powerset_NNC_Polyhedron_-unconstrain_space_dimension
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1236
ppl_Pointset_Powerset_NNC_Polyhedron_-unconstrain_space_dimensions
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1236
ppl_Pointset_Powerset_NNC_Polyhedron_upper_-bound_assign
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1235
ppl_Pointset_Powerset_NNC_Polyhedron_upper_-bound_assign_if_exact
ppl_Pointset_Powerset_NNC_Polyhedron_-tag, 1235
ppl_Pointset_Powerset_Octagonal_Shape_-double_add_congruence
ppl_Pointset_Powerset_Octagonal_Shape_-double_tag, 1252
ppl_Pointset_Powerset_Octagonal_Shape_-double_add_congruences
ppl_Pointset_Powerset_Octagonal_Shape_-double_tag, 1253
ppl_Pointset_Powerset_Octagonal_Shape_-double_add_constraint
ppl_Pointset_Powerset_Octagonal_Shape_-double_tag, 1252
ppl_Pointset_Powerset_Octagonal_Shape_-double_add_constraints
ppl_Pointset_Powerset_Octagonal_Shape_-double_tag, 1253
ppl_Pointset_Powerset_Octagonal_Shape_-double_add_disjunct
ppl_Pointset_Powerset_Octagonal_Shape_-double_tag, 1257
ppl_Pointset_Powerset_Octagonal_Shape_-double_add_space_dimensions_and_-embed
ppl_Pointset_Powerset_Octagonal_Shape_-double_tag, 1256
ppl_Pointset_Powerset_Octagonal_Shape_-double_add_space_dimensions_and_-project
ppl_Pointset_Powerset_Octagonal_Shape_-double_tag, 1256
ppl_Pointset_Powerset_Octagonal_Shape_-double_affine_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-double_tag, 1249
ppl_Pointset_Powerset_Octagonal_Shape_-double_affine_image
ppl_Pointset_Powerset_Octagonal_Shape_-double_tag, 1255
ppl_Pointset_Powerset_Octagonal_Shape_-double_affine_preimage
ppl_Pointset_Powerset_Octagonal_Shape_-double_tag, 1255
ppl_Pointset_Powerset_Octagonal_Shape_-double_ascii_dump
ppl_Pointset_Powerset_Octagonal_Shape_-

double_tag, 1258
ppl_Pointset_Powerset_Octagonal_Shape_-double_ascii_load
ppl_Pointset_Powerset_Octagonal_Shape_-double_tag, 1258
ppl_Pointset_Powerset_Octagonal_Shape_-double_BGP99_BHMZ05_-extrapolation_assign
ppl_Pointset_Powerset_Octagonal_Shape_-double_tag, 1258
ppl_Pointset_Powerset_Octagonal_Shape_-double_BHZ03_H79_BHMZ05_-widening_assign
ppl_Pointset_Powerset_Octagonal_Shape_-double_tag, 1258
ppl_Pointset_Powerset_Octagonal_Shape_-double_bounded_affine_image
ppl_Pointset_Powerset_Octagonal_Shape_-double_tag, 1255
ppl_Pointset_Powerset_Octagonal_Shape_-double_bounded_affine_preimage
ppl_Pointset_Powerset_Octagonal_Shape_-double_tag, 1255
ppl_Pointset_Powerset_Octagonal_Shape_-double_bounds_from_above
ppl_Pointset_Powerset_Octagonal_Shape_-double_tag, 1251
ppl_Pointset_Powerset_Octagonal_Shape_-double_bounds_from_below
ppl_Pointset_Powerset_Octagonal_Shape_-double_tag, 1251
ppl_Pointset_Powerset_Octagonal_Shape_-double_concatenate_assign
ppl_Pointset_Powerset_Octagonal_Shape_-double_tag, 1254
ppl_Pointset_Powerset_Octagonal_Shape_-double_const_iterator_begin
ppl_Pointset_Powerset_Octagonal_Shape_-double_const_iterator_tag, 1241
ppl_Pointset_Powerset_Octagonal_Shape_-double_const_iterator_decrement
ppl_Pointset_Powerset_Octagonal_Shape_-double_const_iterator_tag, 1242
ppl_Pointset_Powerset_Octagonal_Shape_-double_const_iterator_dereference
ppl_Pointset_Powerset_Octagonal_Shape_-double_const_iterator_tag, 1242
ppl_Pointset_Powerset_Octagonal_Shape_-double_const_iterator_end
ppl_Pointset_Powerset_Octagonal_Shape_-double_const_iterator_tag, 1241
ppl_Pointset_Powerset_Octagonal_Shape_-double_const_iterator_equal_test
ppl_Pointset_Powerset_Octagonal_Shape_-double_const_iterator_tag, 1241
ppl_Pointset_Powerset_Octagonal_Shape_-double_const_iterator_increment
ppl_Pointset_Powerset_Octagonal_Shape_-double_const_iterator_tag, 1241
ppl_Pointset_Powerset_Octagonal_Shape_-double_const_iterator_tag, 1240
ppl_delete_Pointset_Powerset_Octagonal_-Shape_double_const_iterator, 1242
ppl_new_Pointset_Powerset_Octagonal_-Shape_double_const_iterator, 1241
ppl_Pointset_Powerset_Octagonal_Shape_-double_const_iterator_begin, 1241
ppl_Pointset_Powerset_Octagonal_Shape_-double_const_iterator_decrement, 1242
ppl_Pointset_Powerset_Octagonal_Shape_-double_const_iterator_dereference, 1242
ppl_Pointset_Powerset_Octagonal_Shape_-double_const_iterator_end, 1241
ppl_Pointset_Powerset_Octagonal_Shape_-double_const_iterator_increment, 1241
ppl_Pointset_Powerset_Octagonal_Shape_-double_constrains
ppl_Pointset_Powerset_Octagonal_Shape_-double_tag, 1254
ppl_Pointset_Powerset_Octagonal_Shape_-double_contains_integer_point
ppl_Pointset_Powerset_Octagonal_Shape_-double_tag, 1250
ppl_Pointset_Powerset_Octagonal_Shape_-double_contains_Pointset_Powerset_-Octagonal_Shape_double
ppl_Pointset_Powerset_Octagonal_Shape_-double_tag, 1251
ppl_Pointset_Powerset_Octagonal_Shape_-double_difference_assign
ppl_Pointset_Powerset_Octagonal_Shape_-double_tag, 1254
ppl_Pointset_Powerset_Octagonal_Shape_-double_drop_disjunct
ppl_Pointset_Powerset_Octagonal_Shape_-double_tag, 1257
ppl_Pointset_Powerset_Octagonal_Shape_-double_drop_disjuncts
ppl_Pointset_Powerset_Octagonal_Shape_-double_tag, 1257
ppl_Pointset_Powerset_Octagonal_Shape_-double_drop_some_non_integer_points
ppl_Pointset_Powerset_Octagonal_Shape_-double_tag, 1257
ppl_Pointset_Powerset_Octagonal_Shape_-double_drop_some_non_integer_points_-2
ppl_Pointset_Powerset_Octagonal_Shape_-

double_tag, 1257
ppl_Pointset_Powerset_Octagonal_Shape_-
double_equals_Pointset_Powerset_-
Octagonal_Shape_double
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1252
ppl_Pointset_Powerset_Octagonal_Shape_-
double_expand_space_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1256
ppl_Pointset_Powerset_Octagonal_Shape_-
double_external_memory_in_bytes
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1257
ppl_Pointset_Powerset_Octagonal_Shape_-
double_fold_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1256
ppl_Pointset_Powerset_Octagonal_Shape_-
double_generalized_affine_image
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1255
ppl_Pointset_Powerset_Octagonal_Shape_-
double_generalized_affine_image_-
lhs_rhs
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1255
ppl_Pointset_Powerset_Octagonal_Shape_-
double_generalized_affine_preimage
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1255
ppl_Pointset_Powerset_Octagonal_Shape_-
double_generalized_affine_preimage_-
lhs_rhs
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1256
ppl_Pointset_Powerset_Octagonal_Shape_-
double_geometrically_covers_Pointset_-
Powerset_Octagonal_Shape_double
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1252
ppl_Pointset_Powerset_Octagonal_Shape_-
double_geometrically_equals_Pointset_-
Powerset_Octagonal_Shape_double
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1252
ppl_Pointset_Powerset_Octagonal_Shape_-
double_intersection_assign
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1253
ppl_Pointset_Powerset_Octagonal_Shape_-
double_is_bounded
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1250
ppl_Pointset_Powerset_Octagonal_Shape_-
double_is_discrete
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1250
ppl_Pointset_Powerset_Octagonal_Shape_-
double_is_empty
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1250
ppl_Pointset_Powerset_Octagonal_Shape_-
double_is_topologically_closed
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1250
ppl_Pointset_Powerset_Octagonal_Shape_-
double_is_universe
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1250
ppl_Pointset_Powerset_Octagonal_Shape_-
double_iterator_begin
ppl_Pointset_Powerset_Octagonal_Shape_-
double_iterator_tag, 1243
ppl_Pointset_Powerset_Octagonal_Shape_-
double_iterator_decrement
ppl_Pointset_Powerset_Octagonal_Shape_-
double_iterator_tag, 1243
ppl_Pointset_Powerset_Octagonal_Shape_-
double_iterator_dereference
ppl_Pointset_Powerset_Octagonal_Shape_-
double_iterator_tag, 1244
ppl_Pointset_Powerset_Octagonal_Shape_-
double_iterator_end
ppl_Pointset_Powerset_Octagonal_Shape_-
double_iterator_tag, 1243
ppl_Pointset_Powerset_Octagonal_Shape_-
double_iterator_equal_test
ppl_Pointset_Powerset_Octagonal_Shape_-
double_iterator_tag, 1243
ppl_Pointset_Powerset_Octagonal_Shape_-
double_iterator_increment
ppl_Pointset_Powerset_Octagonal_Shape_-
double_iterator_tag, 1243
ppl_Pointset_Powerset_Octagonal_Shape_-
double_iterator_tag, 1242
ppl_delete_Pointset_Powerset_Octagonal_-
Shape_double_iterator, 1244
ppl_new_Pointset_Powerset_Octagonal_-
Shape_double_iterator, 1243
ppl_new_Pointset_Powerset_Octagonal_-
Shape_double_iterator_from_iterator,
1243
ppl_Pointset_Powerset_Octagonal_Shape_-
double_iterator_begin, 1243
ppl_Pointset_Powerset_Octagonal_Shape_-
double_iterator_decrement, 1243
ppl_Pointset_Powerset_Octagonal_Shape_-

double_iterator_dereference, 1244
ppl_Pointset_Powerset_Octagonal_Shape_-
double_iterator_end, 1243
ppl_Pointset_Powerset_Octagonal_Shape_-
double_iterator_equal_test, 1243
ppl_Pointset_Powerset_Octagonal_Shape_-
double_iterator_increment, 1243
ppl_Pointset_Powerset_Octagonal_Shape_-
double_map_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1256
ppl_Pointset_Powerset_Octagonal_Shape_-
double_maximize
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1251
ppl_Pointset_Powerset_Octagonal_Shape_-
double_maximize_with_point
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1251
ppl_Pointset_Powerset_Octagonal_Shape_-
double_minimize
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1251
ppl_Pointset_Powerset_Octagonal_Shape_-
double_minimize_with_point
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1251
ppl_Pointset_Powerset_Octagonal_Shape_-
double_OK
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1252
ppl_Pointset_Powerset_Octagonal_Shape_-
double_omega_reduce
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1250
ppl_Pointset_Powerset_Octagonal_Shape_-
double_pairwise_reduce
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1250
ppl_Pointset_Powerset_Octagonal_Shape_-
double_refine_with_congruence
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1253
ppl_Pointset_Powerset_Octagonal_Shape_-
double_refine_with_congruences
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1253
ppl_Pointset_Powerset_Octagonal_Shape_-
double_refine_with_constraint
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1253
ppl_Pointset_Powerset_Octagonal_Shape_-
double_refine_with_constraints
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1253
ppl_Pointset_Powerset_Octagonal_Shape_-
double_relation_with_Congruence
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1249
ppl_Pointset_Powerset_Octagonal_Shape_-
double_relation_with_Constraint
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1249
ppl_Pointset_Powerset_Octagonal_Shape_-
double_relation_with_Generator
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1249
ppl_Pointset_Powerset_Octagonal_Shape_-
double_remove_higher_space_-
dimensions
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1256
ppl_Pointset_Powerset_Octagonal_Shape_-
double_remove_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1256
ppl_Pointset_Powerset_Octagonal_Shape_-
double_simplify_using_context_assign
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1254
ppl_Pointset_Powerset_Octagonal_Shape_-
double_size
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1257
ppl_Pointset_Powerset_Octagonal_Shape_-
double_space_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1249
ppl_Pointset_Powerset_Octagonal_Shape_-
double_strictly_contains_Pointset_-
Powerset_Octagonal_Shape_double
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1251
ppl_Pointset_Powerset_Octagonal_Shape_-
double_tag, 1244
ppl_delete_Pointset_Powerset_Octagonal_-
Shape_double, 1248
ppl_io_asprint_Pointset_Powerset_-
Octagonal_Shape_double, 1258
ppl_io_fprint_Pointset_Powerset_Octagonal_-
Shape_double, 1258
ppl_io_print_Pointset_Powerset_Octagonal_-
Shape_double, 1258
ppl_new_Pointset_Powerset_Octagonal_-
Shape_double_from_Congruence_-
System, 1249
ppl_new_Pointset_Powerset_Octagonal_-

Shape_double_from_Constraint_System, 1249
ppl_new_Pointset_Powerset_Octagonal_-Shape_double_from_Octagonal_Shape_-double, 1248
ppl_new_Pointset_Powerset_Octagonal_-Shape_double_from_space_dimension, 1248
ppl_Pointset_Powerset_Octagonal_Shape_-double_add_congruence, 1252
ppl_Pointset_Powerset_Octagonal_Shape_-double_add_congruences, 1253
ppl_Pointset_Powerset_Octagonal_Shape_-double_add_constraint, 1252
ppl_Pointset_Powerset_Octagonal_Shape_-double_add_constraints, 1253
ppl_Pointset_Powerset_Octagonal_Shape_-double_add_disjunct, 1257
ppl_Pointset_Powerset_Octagonal_Shape_-double_add_space_dimensions_and_-embed, 1256
ppl_Pointset_Powerset_Octagonal_Shape_-double_add_space_dimensions_and_-project, 1256
ppl_Pointset_Powerset_Octagonal_Shape_-double_affine_dimension, 1249
ppl_Pointset_Powerset_Octagonal_Shape_-double_affine_image, 1255
ppl_Pointset_Powerset_Octagonal_Shape_-double_affine_preimage, 1255
ppl_Pointset_Powerset_Octagonal_Shape_-double_ascii_dump, 1258
ppl_Pointset_Powerset_Octagonal_Shape_-double_ascii_load, 1258
ppl_Pointset_Powerset_Octagonal_-Shape_double_BGP99_BHMZ05_-extrapolation_assign, 1258
ppl_Pointset_Powerset_Octagonal_Shape_-double_BHZ03_H79_BHMZ05_-widening_assign, 1258
ppl_Pointset_Powerset_Octagonal_Shape_-double_bounded_affine_image, 1255
ppl_Pointset_Powerset_Octagonal_Shape_-double_bounded_affine_preimage, 1255
ppl_Pointset_Powerset_Octagonal_Shape_-double_bounds_from_above, 1251
ppl_Pointset_Powerset_Octagonal_Shape_-double_bounds_from_below, 1251
ppl_Pointset_Powerset_Octagonal_Shape_-double_concatenate_assign, 1254
ppl_Pointset_Powerset_Octagonal_Shape_-double_constrains, 1254
ppl_Pointset_Powerset_Octagonal_Shape_-double_contains_integer_point, 1250
ppl_Pointset_Powerset_Octagonal_Shape_-double_difference_assign, 1254
ppl_Pointset_Powerset_Octagonal_Shape_-double_drop_disjunct, 1257
ppl_Pointset_Powerset_Octagonal_Shape_-double_drop_disjuncts, 1257
ppl_Pointset_Powerset_Octagonal_Shape_-double_drop_some_non_integer_points, 1257
ppl_Pointset_Powerset_Octagonal_Shape_-double_expand_space_dimension, 1256
ppl_Pointset_Powerset_Octagonal_Shape_-double_external_memory_in_bytes, 1257
ppl_Pointset_Powerset_Octagonal_Shape_-double_fold_space_dimensions, 1256
ppl_Pointset_Powerset_Octagonal_Shape_-double_generalized_affine_image, 1255
ppl_Pointset_Powerset_Octagonal_Shape_-double_generalized_affine_image_lhs_-rhs, 1255
ppl_Pointset_Powerset_Octagonal_Shape_-double_generalized_affine_preimage, 1255
ppl_Pointset_Powerset_Octagonal_Shape_-double_generalized_affine_preimage_-lhs_rhs, 1256
ppl_Pointset_Powerset_Octagonal_Shape_-double_intersection_assign, 1253
ppl_Pointset_Powerset_Octagonal_Shape_-double_is_bounded, 1250
ppl_Pointset_Powerset_Octagonal_Shape_-double_is_discrete, 1250
ppl_Pointset_Powerset_Octagonal_Shape_-double_is_empty, 1250
ppl_Pointset_Powerset_Octagonal_Shape_-double_is_topologically_closed, 1250
ppl_Pointset_Powerset_Octagonal_Shape_-double_is_universe, 1250
ppl_Pointset_Powerset_Octagonal_Shape_-double_map_space_dimensions, 1256
ppl_Pointset_Powerset_Octagonal_Shape_-double_maximize, 1251
ppl_Pointset_Powerset_Octagonal_Shape_-double_maximize_with_point, 1251
ppl_Pointset_Powerset_Octagonal_Shape_-double_minimize, 1251
ppl_Pointset_Powerset_Octagonal_Shape_-double_minimize_with_point, 1251
ppl_Pointset_Powerset_Octagonal_Shape_-double_OK, 1252
ppl_Pointset_Powerset_Octagonal_Shape_-double_omega_reduce, 1250
ppl_Pointset_Powerset_Octagonal_Shape_-

double_pairwise_reduce, 1250
ppl_Pointset_Powerset_Octagonal_Shape_-double_refine_with_congruence, 1253
ppl_Pointset_Powerset_Octagonal_Shape_-double_refine_with_congruences, 1253
ppl_Pointset_Powerset_Octagonal_Shape_-double_refine_with_constraint, 1253
ppl_Pointset_Powerset_Octagonal_Shape_-double_refine_with_constraints, 1253
ppl_Pointset_Powerset_Octagonal_Shape_-double_relation_with_Congruence, 1249
ppl_Pointset_Powerset_Octagonal_Shape_-double_relation_with_Constraint, 1249
ppl_Pointset_Powerset_Octagonal_Shape_-double_relation_with_Generator, 1249
ppl_Pointset_Powerset_Octagonal_Shape_-double_remove_higher_space_-dimensions, 1256
ppl_Pointset_Powerset_Octagonal_Shape_-double_remove_space_dimensions, 1256
ppl_Pointset_Powerset_Octagonal_Shape_-double_simplify_using_context_assign, 1254
ppl_Pointset_Powerset_Octagonal_Shape_-double_size, 1257
ppl_Pointset_Powerset_Octagonal_Shape_-double_space_dimension, 1249
ppl_Pointset_Powerset_Octagonal_Shape_-double_time_elapse_assign, 1254
ppl_Pointset_Powerset_Octagonal_Shape_-double_topological_closure_assign, 1250
ppl_Pointset_Powerset_Octagonal_Shape_-double_total_memory_in_bytes, 1257
ppl_Pointset_Powerset_Octagonal_Shape_-double_unconstrain_space_dimension, 1254
ppl_Pointset_Powerset_Octagonal_Shape_-double_unconstrain_space_dimensions, 1254
ppl_Pointset_Powerset_Octagonal_Shape_-double_upper_bound_assign, 1253
ppl_Pointset_Powerset_Octagonal_Shape_-double_upper_bound_assign_if_exact, 1254
ppl_Pointset_Powerset_Octagonal_Shape_-double_time_elapse_assign
ppl_Pointset_Powerset_Octagonal_Shape_-double_tag, 1254
ppl_Pointset_Powerset_Octagonal_Shape_-double_topological_closure_assign
ppl_Pointset_Powerset_Octagonal_Shape_-double_tag, 1250
ppl_Pointset_Powerset_Octagonal_Shape_-double_total_memory_in_bytes
ppl_Pointset_Powerset_Octagonal_Shape_-double_tag, 1257
ppl_Pointset_Powerset_Octagonal_Shape_-double_unconstrain_space_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-double_tag, 1254
ppl_Pointset_Powerset_Octagonal_Shape_-double_unconstrain_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_-double_tag, 1254
ppl_Pointset_Powerset_Octagonal_Shape_-double_upper_bound_assign
ppl_Pointset_Powerset_Octagonal_Shape_-double_tag, 1253
ppl_Pointset_Powerset_Octagonal_Shape_-double_upper_bound_assign_if_exact
ppl_Pointset_Powerset_Octagonal_Shape_-double_tag, 1254
ppl_Pointset_Powerset_Octagonal_Shape_float_-add_congruence
ppl_Pointset_Powerset_Octagonal_Shape_-float_tag, 1271
ppl_Pointset_Powerset_Octagonal_Shape_float_-add_congruences
ppl_Pointset_Powerset_Octagonal_Shape_-float_tag, 1271
ppl_Pointset_Powerset_Octagonal_Shape_float_-add_constraint
ppl_Pointset_Powerset_Octagonal_Shape_-float_tag, 1271
ppl_Pointset_Powerset_Octagonal_Shape_float_-add_constraints
ppl_Pointset_Powerset_Octagonal_Shape_-float_tag, 1271
ppl_Pointset_Powerset_Octagonal_Shape_float_-add_disjunct
ppl_Pointset_Powerset_Octagonal_Shape_-float_tag, 1276
ppl_Pointset_Powerset_Octagonal_Shape_float_-add_space_dimensions_and_embed
ppl_Pointset_Powerset_Octagonal_Shape_-float_tag, 1274
ppl_Pointset_Powerset_Octagonal_Shape_float_-add_space_dimensions_and_project
ppl_Pointset_Powerset_Octagonal_Shape_-float_tag, 1274
ppl_Pointset_Powerset_Octagonal_Shape_float_-affine_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-float_tag, 1267
ppl_Pointset_Powerset_Octagonal_Shape_float_-affine_image

ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1273
ppl_Pointset_Powerset_Octagonal_Shape_float_-
affine_preimage
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1273
ppl_Pointset_Powerset_Octagonal_Shape_float_-
ascii_dump
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1277
ppl_Pointset_Powerset_Octagonal_Shape_float_-
ascii_load
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1277
ppl_Pointset_Powerset_Octagonal_Shape_float_-
BGP99_BHMZ05_extrapolation_assign
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1276
ppl_Pointset_Powerset_Octagonal_Shape_float_-
BHZ03_H79_BHMZ05_widening_-
assign
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1276
ppl_Pointset_Powerset_Octagonal_Shape_float_-
bounded_affine_image
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1273
ppl_Pointset_Powerset_Octagonal_Shape_float_-
bounded_affine_preimage
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1273
ppl_Pointset_Powerset_Octagonal_Shape_float_-
bounds_from_above
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1269
ppl_Pointset_Powerset_Octagonal_Shape_float_-
bounds_from_below
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1269
ppl_Pointset_Powerset_Octagonal_Shape_float_-
concatenate_assign
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1272
ppl_Pointset_Powerset_Octagonal_Shape_float_-
const_iterator_begin
ppl_Pointset_Powerset_Octagonal_Shape_-
float_const_iterator_tag, 1260
ppl_Pointset_Powerset_Octagonal_Shape_float_-
const_iterator_decrement
ppl_Pointset_Powerset_Octagonal_Shape_-
float_const_iterator_tag, 1260
ppl_Pointset_Powerset_Octagonal_Shape_float_-
const_iterator_dereference
ppl_Pointset_Powerset_Octagonal_Shape_-
float_const_iterator_tag, 1260
ppl_Pointset_Powerset_Octagonal_Shape_float_-
const_iterator_end
ppl_Pointset_Powerset_Octagonal_Shape_-
float_const_iterator_tag, 1260
ppl_Pointset_Powerset_Octagonal_Shape_float_-
const_iterator_equal_test
ppl_Pointset_Powerset_Octagonal_Shape_-
float_const_iterator_tag, 1260
ppl_Pointset_Powerset_Octagonal_Shape_float_-
const_iterator_increment
ppl_Pointset_Powerset_Octagonal_Shape_-
float_const_iterator_tag, 1260
ppl_Pointset_Powerset_Octagonal_Shape_float_-
const_iterator_tag, 1259
ppl_delete_Pointset_Powerset_Octagonal_-
Shape_float_const_iterator, 1260
ppl_new_Pointset_Powerset_Octagonal_-
Shape_float_const_iterator, 1259
ppl_Pointset_Powerset_Octagonal_Shape_-
float_const_iterator_begin, 1260
ppl_Pointset_Powerset_Octagonal_Shape_-
float_const_iterator_decrement, 1260
ppl_Pointset_Powerset_Octagonal_Shape_-
float_const_iterator_dereference, 1260
ppl_Pointset_Powerset_Octagonal_Shape_-
float_const_iterator_end, 1260
ppl_Pointset_Powerset_Octagonal_Shape_-
float_const_iterator_increment, 1260
ppl_Pointset_Powerset_Octagonal_Shape_float_-
constrains
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1273
ppl_Pointset_Powerset_Octagonal_Shape_float_-
contains_integer_point
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1268
ppl_Pointset_Powerset_Octagonal_Shape_float_-
contains_Pointset_Powerset_Octagonal_-
Shape_float
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1270
ppl_Pointset_Powerset_Octagonal_Shape_float_-
difference_assign
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1272
ppl_Pointset_Powerset_Octagonal_Shape_float_-
drop_disjunct
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1276
ppl_Pointset_Powerset_Octagonal_Shape_float_-
drop_disjuncts
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1276

ppl_Pointset_Powerset_Octagonal_Shape_float_-
drop_some_non_integer_points
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1275
ppl_Pointset_Powerset_Octagonal_Shape_float_-
drop_some_non_integer_points_2
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1275
ppl_Pointset_Powerset_Octagonal_Shape_float_-
equals_Pointset_Powerset_Octagonal_-
Shape_float
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1270
ppl_Pointset_Powerset_Octagonal_Shape_float_-
expand_space_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1275
ppl_Pointset_Powerset_Octagonal_Shape_float_-
external_memory_in_bytes
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1275
ppl_Pointset_Powerset_Octagonal_Shape_float_-
fold_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1275
ppl_Pointset_Powerset_Octagonal_Shape_float_-
generalized_affine_image
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1273
ppl_Pointset_Powerset_Octagonal_Shape_float_-
generalized_affine_image_lhs_rhs
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1274
ppl_Pointset_Powerset_Octagonal_Shape_float_-
generalized_affine_preimage
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1274
ppl_Pointset_Powerset_Octagonal_Shape_float_-
generalized_affine_preimage_lhs_rhs
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1274
ppl_Pointset_Powerset_Octagonal_Shape_-
float_geometrically_covers_Pointset_-
Powerset_Octagonal_Shape_float
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1270
ppl_Pointset_Powerset_Octagonal_Shape_-
float_geometrically_equals_Pointset_-
Powerset_Octagonal_Shape_float
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1270
ppl_Pointset_Powerset_Octagonal_Shape_float_-
intersection_assign
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1272
ppl_Pointset_Powerset_Octagonal_Shape_float_-
is_bounded
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1268
ppl_Pointset_Powerset_Octagonal_Shape_float_-
is_discrete
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1268
ppl_Pointset_Powerset_Octagonal_Shape_float_-
is_empty
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1268
ppl_Pointset_Powerset_Octagonal_Shape_float_-
is_topologically_closed
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1268
ppl_Pointset_Powerset_Octagonal_Shape_float_-
is_universe
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1268
ppl_Pointset_Powerset_Octagonal_Shape_float_-
iterator_begin
ppl_Pointset_Powerset_Octagonal_Shape_-
float_iterator_tag, 1261
ppl_Pointset_Powerset_Octagonal_Shape_float_-
iterator_decrement
ppl_Pointset_Powerset_Octagonal_Shape_-
float_iterator_tag, 1262
ppl_Pointset_Powerset_Octagonal_Shape_float_-
iterator_dereference
ppl_Pointset_Powerset_Octagonal_Shape_-
float_iterator_tag, 1262
ppl_Pointset_Powerset_Octagonal_Shape_float_-
iterator_end
ppl_Pointset_Powerset_Octagonal_Shape_-
float_iterator_tag, 1262
ppl_Pointset_Powerset_Octagonal_Shape_float_-
iterator_equal_test
ppl_Pointset_Powerset_Octagonal_Shape_-
float_iterator_tag, 1262
ppl_Pointset_Powerset_Octagonal_Shape_float_-
iterator_increment
ppl_Pointset_Powerset_Octagonal_Shape_-
float_iterator_tag, 1262
ppl_Pointset_Powerset_Octagonal_Shape_float_-
iterator_tag, 1261
ppl_delete_Pointset_Powerset_Octagonal_-
Shape_float_iterator, 1262
ppl_new_Pointset_Powerset_Octagonal_-
Shape_float_iterator, 1261
ppl_new_Pointset_Powerset_Octagonal_-
Shape_float_iterator_from_iterator,
1261

ppl_Pointset_Powerset_Octagonal_Shape_-
float_iterator_begin, 1261
ppl_Pointset_Powerset_Octagonal_Shape_-
float_iterator_decrement, 1262
ppl_Pointset_Powerset_Octagonal_Shape_-
float_iterator_dereference, 1262
ppl_Pointset_Powerset_Octagonal_Shape_-
float_iterator_end, 1262
ppl_Pointset_Powerset_Octagonal_Shape_-
float_iterator_equal_test, 1262
ppl_Pointset_Powerset_Octagonal_Shape_-
float_iterator_increment, 1262
ppl_Pointset_Powerset_Octagonal_Shape_float_-
map_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1275
ppl_Pointset_Powerset_Octagonal_Shape_float_-
maximize
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1269
ppl_Pointset_Powerset_Octagonal_Shape_float_-
maximize_with_point
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1269
ppl_Pointset_Powerset_Octagonal_Shape_float_-
minimize
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1269
ppl_Pointset_Powerset_Octagonal_Shape_float_-
minimize_with_point
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1270
ppl_Pointset_Powerset_Octagonal_Shape_float_-
OK
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1271
ppl_Pointset_Powerset_Octagonal_Shape_float_-
omega_reduce
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1269
ppl_Pointset_Powerset_Octagonal_Shape_float_-
pairwise_reduce
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1269
ppl_Pointset_Powerset_Octagonal_Shape_float_-
refine_with_congruence
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1271
ppl_Pointset_Powerset_Octagonal_Shape_float_-
refine_with_congruences
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1272
ppl_Pointset_Powerset_Octagonal_Shape_float_-
refine_with_constraint
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1271
ppl_Pointset_Powerset_Octagonal_Shape_float_-
refine_with_constraints
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1271
ppl_Pointset_Powerset_Octagonal_Shape_float_-
relation_with_Congruence
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1268
ppl_Pointset_Powerset_Octagonal_Shape_float_-
relation_with_Constraint
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1268
ppl_Pointset_Powerset_Octagonal_Shape_float_-
relation_with_Generator
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1268
ppl_Pointset_Powerset_Octagonal_Shape_float_-
remove_higher_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1274
ppl_Pointset_Powerset_Octagonal_Shape_float_-
remove_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1274
ppl_Pointset_Powerset_Octagonal_Shape_float_-
simplify_using_context_assign
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1272
ppl_Pointset_Powerset_Octagonal_Shape_float_-
size
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1275
ppl_Pointset_Powerset_Octagonal_Shape_float_-
space_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1267
ppl_Pointset_Powerset_Octagonal_Shape_float_-
strictly_contains_Pointset_Powerset_-
Octagonal_Shape_float
ppl_Pointset_Powerset_Octagonal_Shape_-
float_tag, 1270
ppl_Pointset_Powerset_Octagonal_Shape_float_-
tag, 1262
ppl_delete_Pointset_Powerset_Octagonal_-
Shape_float, 1266
ppl_io_asprint_Pointset_Powerset_-
Octagonal_Shape_float, 1276
ppl_io_fprint_Pointset_Powerset_Octagonal_-
Shape_float, 1276
ppl_io_print_Pointset_Powerset_Octagonal_-
Shape_float, 1276
ppl_new_Pointset_Powerset_Octagonal_-

Shape_float_from_Congruence_System, 1267
ppl_new_Pointset_Powerset_Octagonal_-Shape_float_from_Constraint_System, 1267
ppl_new_Pointset_Powerset_Octagonal_-Shape_float_from_Octagonal_Shape_-float, 1267
ppl_new_Pointset_Powerset_Octagonal_-Shape_float_from_space_dimension, 1266
ppl_Pointset_Powerset_Octagonal_Shape_-float_add_congruence, 1271
ppl_Pointset_Powerset_Octagonal_Shape_-float_add_congruences, 1271
ppl_Pointset_Powerset_Octagonal_Shape_-float_add_constraint, 1271
ppl_Pointset_Powerset_Octagonal_Shape_-float_add_constraints, 1271
ppl_Pointset_Powerset_Octagonal_Shape_-float_add_disjunct, 1276
ppl_Pointset_Powerset_Octagonal_Shape_-float_add_space_dimensions_and_-embed, 1274
ppl_Pointset_Powerset_Octagonal_Shape_-float_add_space_dimensions_and_-project, 1274
ppl_Pointset_Powerset_Octagonal_Shape_-float_affine_dimension, 1267
ppl_Pointset_Powerset_Octagonal_Shape_-float_affine_image, 1273
ppl_Pointset_Powerset_Octagonal_Shape_-float_affine_preimage, 1273
ppl_Pointset_Powerset_Octagonal_Shape_-float_ascii_dump, 1277
ppl_Pointset_Powerset_Octagonal_Shape_-float_ascii_load, 1277
ppl_Pointset_Powerset_Octagonal_Shape_-float_BGP99_BHMZ05_extrapolation_-assign, 1276
ppl_Pointset_Powerset_Octagonal_Shape_-float_BHZ03_H79_BHMZ05_-widening_assign, 1276
ppl_Pointset_Powerset_Octagonal_Shape_-float_bounded_affine_image, 1273
ppl_Pointset_Powerset_Octagonal_Shape_-float_bounded_affine_preimage, 1273
ppl_Pointset_Powerset_Octagonal_Shape_-float_bounds_from_above, 1269
ppl_Pointset_Powerset_Octagonal_Shape_-float_bounds_from_below, 1269
ppl_Pointset_Powerset_Octagonal_Shape_-float_concatenate_assign, 1272
ppl_Pointset_Powerset_Octagonal_Shape_-float_constrains, 1273
ppl_Pointset_Powerset_Octagonal_Shape_-float_contains_integer_point, 1268
ppl_Pointset_Powerset_Octagonal_Shape_-float_difference_assign, 1272
ppl_Pointset_Powerset_Octagonal_Shape_-float_drop_disjunct, 1276
ppl_Pointset_Powerset_Octagonal_Shape_-float_drop_disjuncts, 1276
ppl_Pointset_Powerset_Octagonal_Shape_-float_drop_some_non_integer_points, 1275
ppl_Pointset_Powerset_Octagonal_Shape_-float_expand_space_dimension, 1275
ppl_Pointset_Powerset_Octagonal_Shape_-float_external_memory_in_bytes, 1275
ppl_Pointset_Powerset_Octagonal_Shape_-float_fold_space_dimensions, 1275
ppl_Pointset_Powerset_Octagonal_Shape_-float_generalized_affine_image, 1273
ppl_Pointset_Powerset_Octagonal_Shape_-float_generalized_affine_image_lhs_rhs, 1274
ppl_Pointset_Powerset_Octagonal_Shape_-float_generalized_affine_preimage, 1274
ppl_Pointset_Powerset_Octagonal_Shape_-float_generalized_affine_preimage_lhs_-rhs, 1274
ppl_Pointset_Powerset_Octagonal_Shape_-float_intersection_assign, 1272
ppl_Pointset_Powerset_Octagonal_Shape_-float_is_bounded, 1268
ppl_Pointset_Powerset_Octagonal_Shape_-float_is_discrete, 1268
ppl_Pointset_Powerset_Octagonal_Shape_-float_is_empty, 1268
ppl_Pointset_Powerset_Octagonal_Shape_-float_is_topologically_closed, 1268
ppl_Pointset_Powerset_Octagonal_Shape_-float_is_universe, 1268
ppl_Pointset_Powerset_Octagonal_Shape_-float_map_space_dimensions, 1275
ppl_Pointset_Powerset_Octagonal_Shape_-float_maximize, 1269
ppl_Pointset_Powerset_Octagonal_Shape_-float_maximize_with_point, 1269
ppl_Pointset_Powerset_Octagonal_Shape_-float_minimize, 1269
ppl_Pointset_Powerset_Octagonal_Shape_-float_minimize_with_point, 1270
ppl_Pointset_Powerset_Octagonal_Shape_-float_OK, 1271
ppl_Pointset_Powerset_Octagonal_Shape_-float_omega_reduce, 1269

ppl_Pointset_Powerset_Octagonal_Shape_-float_pairwise_reduce, 1269
ppl_Pointset_Powerset_Octagonal_Shape_-float_refine_with_congruence, 1271
ppl_Pointset_Powerset_Octagonal_Shape_-float_refine_with_congruences, 1272
ppl_Pointset_Powerset_Octagonal_Shape_-float_refine_with_constraint, 1271
ppl_Pointset_Powerset_Octagonal_Shape_-float_refine_with_constraints, 1271
ppl_Pointset_Powerset_Octagonal_Shape_-float_relation_with_Congruence, 1268
ppl_Pointset_Powerset_Octagonal_Shape_-float_relation_with_Constraint, 1268
ppl_Pointset_Powerset_Octagonal_Shape_-float_relation_with_Generator, 1268
ppl_Pointset_Powerset_Octagonal_Shape_-float_remove_higher_space_dimensions, 1274
ppl_Pointset_Powerset_Octagonal_Shape_-float_remove_space_dimensions, 1274
ppl_Pointset_Powerset_Octagonal_Shape_-float_simplify_using_context_assign, 1272
ppl_Pointset_Powerset_Octagonal_Shape_-float_size, 1275
ppl_Pointset_Powerset_Octagonal_Shape_-float_space_dimension, 1267
ppl_Pointset_Powerset_Octagonal_Shape_-float_time_elapse_assign, 1272
ppl_Pointset_Powerset_Octagonal_Shape_-float_topological_closure_assign, 1269
ppl_Pointset_Powerset_Octagonal_Shape_-float_total_memory_in_bytes, 1275
ppl_Pointset_Powerset_Octagonal_Shape_-float_unconstrain_space_dimension, 1273
ppl_Pointset_Powerset_Octagonal_Shape_-float_unconstrain_space_dimensions, 1273
ppl_Pointset_Powerset_Octagonal_Shape_-float_upper_bound_assign, 1272
ppl_Pointset_Powerset_Octagonal_Shape_-float_upper_bound_assign_if_exact, 1272
ppl_Pointset_Powerset_Octagonal_Shape_float_-time_elapse_assign
ppl_Pointset_Powerset_Octagonal_Shape_-float_tag, 1272
ppl_Pointset_Powerset_Octagonal_Shape_float_-topological_closure_assign
ppl_Pointset_Powerset_Octagonal_Shape_-float_tag, 1269
ppl_Pointset_Powerset_Octagonal_Shape_float_-total_memory_in_bytes
ppl_Pointset_Powerset_Octagonal_Shape_-float_tag, 1275
ppl_Pointset_Powerset_Octagonal_Shape_float_-unconstrain_space_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-float_tag, 1273
ppl_Pointset_Powerset_Octagonal_Shape_float_-unconstrain_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_-float_tag, 1273
ppl_Pointset_Powerset_Octagonal_Shape_float_-upper_bound_assign
ppl_Pointset_Powerset_Octagonal_Shape_-float_tag, 1272
ppl_Pointset_Powerset_Octagonal_Shape_float_-upper_bound_assign_if_exact
ppl_Pointset_Powerset_Octagonal_Shape_-float_tag, 1272
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_add_congruence
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1289
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_add_congruences
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1290
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_add_constraint
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1289
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_add_constraints
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1290
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_add_disjunct
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1294
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_add_space_dimensions_and_embed
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1293
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_add_space_dimensions_and_project
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1293
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_affine_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1286
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_affine_image

ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1292
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_affine_preimage
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1292
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_ascii_dump
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1295
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_ascii_load
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1295
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_BGP99_BHMZ05_extrapolation_-assign
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1295
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_BHZ03_H79_BHMZ05_widening_-assign
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1295
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_bounded_affine_image
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1292
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_bounded_affine_preimage
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1292
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_bounds_from_above
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1288
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_bounds_from_below
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1288
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_concatenate_assign
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1291
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_const_iterator_begin
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_const_iterator_tag, 1278
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_const_iterator_decrement
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_const_iterator_tag, 1278
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_const_iterator_dereference
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_const_iterator_tag, 1279
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_const_iterator_end
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_const_iterator_tag, 1278
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_const_iterator_equal_test
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_const_iterator_tag, 1278
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_const_iterator_increment
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_const_iterator_tag, 1278
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_const_iterator_tag, 1277
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_constrains
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1291
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_contains_integer_point
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1287
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_difference_assign
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1291
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_drop_disjunct
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1294
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_drop_disjuncts
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1294
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_drop_some_non_integer_points
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1294
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_drop_some_non_integer_points_2
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1294
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_expand_space_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1293
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_external_memory_in_bytes
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1294
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_fold_space_dimensions

ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1293
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_generalized_affine_image
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1292
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_generalized_affine_image_lhs_rhs
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1292
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_generalized_affine_preimage
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1292
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_generalized_affine_preimage_lhs_rhs
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1293
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_intersection_assign
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1290
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_is_bounded
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1287
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_is_discrete
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1287
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_is_empty
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1287
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_is_topologically_closed
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1287
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_is_universe
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1287
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_iterator_begin
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_iterator_tag, 1280
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_iterator_decrement
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_iterator_tag, 1280
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_iterator_dereference
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_iterator_tag, 1280
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_iterator_end
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_iterator_tag, 1280
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_iterator_equal_test
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_iterator_tag, 1280
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_iterator_increment
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_iterator_tag, 1280
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_iterator_tag, 1279
ppl_delete_Pointset_Powerset_Octagonal_-Shape_int16_t_iterator, 1281
ppl_new_Pointset_Powerset_Octagonal_-Shape_int16_t_iterator, 1280
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_iterator_begin, 1280
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_iterator_decrement, 1280
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_iterator_dereference, 1280
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_iterator_end, 1280
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_iterator_increment, 1280
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_map_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1293
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_maximize
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1288
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_maximize_with_point
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1288
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_minimize
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1288
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_minimize_with_point
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1288
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_OK
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1289
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_omega_reduce

ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1287
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_pairwise_reduce
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1287
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_refine_with_congruence
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1290
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_refine_with_congruences
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1290
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_refine_with_constraint
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1290
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_refine_with_constraints
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1290
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_relation_with_Congruence
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1286
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_relation_with_Constraint
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1286
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_relation_with_Generator
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1286
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_remove_higher_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1293
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_remove_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1293
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_simplify_using_context_assign
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1291
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_size
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1294
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_space_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1286
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_tag, 1281
ppl_delete_Pointset_Powerset_Octagonal_-Shape_int16_t, 1285
ppl_io_asprint_Pointset_Powerset_-Octagonal_Shape_int16_t, 1295
ppl_io_fprint_Pointset_Powerset_Octagonal_-Shape_int16_t, 1295
ppl_io_print_Pointset_Powerset_Octagonal_-Shape_int16_t, 1295
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_add_congruence, 1289
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_add_congruences, 1290
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_add_constraint, 1289
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_add_constraints, 1290
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_add_disjunct, 1294
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_affine_dimension, 1286
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_affine_image, 1292
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_affine_preimage, 1292
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_ascii_dump, 1295
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_ascii_load, 1295
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_bounded_affine_image, 1292
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_bounded_affine_preimage, 1292
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_bounds_from_above, 1288
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_bounds_from_below, 1288
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_concatenate_assign, 1291
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_constrains, 1291
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_contains_integer_point, 1287
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_difference_assign, 1291
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_drop_disjunct, 1294
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_drop_disjuncts, 1294
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_expand_space_dimension, 1293
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_fold_space_dimensions, 1293

ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_generalized_affine_image, 1292
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_generalized_affine_preimage, 1292
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_intersection_assign, 1290
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_is_bounded, 1287
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_is_discrete, 1287
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_is_empty, 1287
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_is_topologically_closed, 1287
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_is_universe, 1287
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_map_space_dimensions, 1293
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_maximize, 1288
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_maximize_with_point, 1288
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_minimize, 1288
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_minimize_with_point, 1288
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_OK, 1289
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_omega_reduce, 1287
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_pairwise_reduce, 1287
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_refine_with_congruence, 1290
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_refine_with_congruences, 1290
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_refine_with_constraint, 1290
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_refine_with_constraints, 1290
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_relation_with_Congruence, 1286
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_relation_with_Constraint, 1286
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_relation_with_Generator, 1286
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_remove_space_dimensions, 1293
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_size, 1294
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_space_dimension, 1286
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_time_elapse_assign, 1291
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_topological_closure_assign, 1287
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_unconstrain_space_dimension, 1291
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_unconstrain_space_dimensions, 1291
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_upper_bound_assign, 1290
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_time_elapse_assign
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1291
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_topological_closure_assign
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1287
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_total_memory_in_bytes
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1294
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_unconstrain_space_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1291
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_unconstrain_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1291
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_upper_bound_assign
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1290
ppl_Pointset_Powerset_Octagonal_Shape_int16_-t_upper_bound_assign_if_exact
ppl_Pointset_Powerset_Octagonal_Shape_-int16_t_tag, 1291
ppl_Pointset_Powerset_Octagonal_Shape_int32_-t_add_congruence
ppl_Pointset_Powerset_Octagonal_Shape_-int32_t_tag, 1308
ppl_Pointset_Powerset_Octagonal_Shape_int32_-t_add_congruences
ppl_Pointset_Powerset_Octagonal_Shape_-int32_t_tag, 1308
ppl_Pointset_Powerset_Octagonal_Shape_int32_-t_add_constraint
ppl_Pointset_Powerset_Octagonal_Shape_-int32_t_tag, 1308

ppl_Pointset_Powerset_Octagonal_Shape_int32_t_add_constraints
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1308
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_add_disjunct
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1313
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_add_space_dimensions_and_embed
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1311
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_add_space_dimensions_and_project
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1311
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_affine_dimension
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1305
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_affine_image
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1310
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_affine_preimage
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1310
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_ascii_dump
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1314
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_ascii_load
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1314
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_BGP99_BHMZ05_extrapolation_assign
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1313
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_BHZ03_H79_BHMZ05_widening_assign
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1313
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_bounded_affine_image
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1310
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_bounded_affine_preimage
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1311
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_bounds_from_above
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1306
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_bounds_from_below
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1306
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_concatenate_assign
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1309
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_begin
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_tag, 1297
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_decrement
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_tag, 1297
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_dereference
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_tag, 1297
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_end
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_tag, 1297
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_equal_test
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_tag, 1297
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_increment
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_tag, 1297
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_const_iterator_tag, 1296
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_constrains
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1310
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_contains_integer_point
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1306
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_difference_assign
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1309
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_drop_disjunct
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1313

ppl_Pointset_Powerset_Octagonal_Shape_int32_t_drop_disjuncts
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1313
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_drop_some_non_integer_points
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1312
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_drop_some_non_integer_points_2
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1312
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_expand_space_dimension
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1312
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_external_memory_in_bytes
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1312
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_fold_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1312
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_generalized_affine_image
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1311
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_generalized_affine_image_lhs_rhs
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1311
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_generalized_affine_preimage
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1311
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_generalized_affine_preimage_lhs_rhs
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1311
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_intersection_assign
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1309
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_is_bounded
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1305
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_is_discrete
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1306
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_is_empty
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1305
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_is_topologically_closed
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1306
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_is_universe
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1305
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_begin
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_tag, 1299
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_decrement
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_tag, 1299
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_dereference
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_tag, 1299
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_end
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_tag, 1299
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_equal_test
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_tag, 1299
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_increment
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_tag, 1299
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_tag, 1298
ppl_delete_Pointset_Powerset_Octagonal_Shape_int32_t_iterator, 1299
ppl_new_Pointset_Powerset_Octagonal_Shape_int32_t_iterator, 1298
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_begin, 1299
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_decrement, 1299
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_dereference, 1299
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_end, 1299
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_iterator_increment, 1299
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_map_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1312

ppl_Pointset_Powerset_Octagonal_Shape_int32_t_maximize
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1306
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_maximize_with_point
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1307
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_minimize
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1307
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_minimize_with_point
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1307
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_OK
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1308
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_omega_reduce
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1306
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_pairwise_reduce
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1306
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_refine_with_congruence
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1309
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_refine_with_congruences
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1309
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_refine_with_constraint
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1308
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_refine_with_constraints
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1309
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_relation_with_Congruence
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1305
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_relation_with_Constraint
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1305
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_relation_with_Generator
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1305
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_remove_higher_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1312
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_remove_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1312
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_simplify_using_context_assign
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1310
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_size
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1313
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_space_dimension
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1305
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_tag, 1300
ppl_delete_Pointset_Powerset_Octagonal_Shape_int32_t, 1304
ppl_io_asprint_Pointset_Powerset_Octagonal_Shape_int32_t, 1314
ppl_io_fprint_Pointset_Powerset_Octagonal_Shape_int32_t, 1314
ppl_io_print_Pointset_Powerset_Octagonal_Shape_int32_t, 1314
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_add_congruence, 1308
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_add_congruences, 1308
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_add_constraint, 1308
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_add_constraints, 1308
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_add_disjunct, 1313
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_affine_dimension, 1305
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_affine_image, 1310
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_affine_preimage, 1310
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_ascii_dump, 1314
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_ascii_load, 1314
ppl_Pointset_Powerset_Octagonal_Shape_int32_t_bounded_affine_image, 1310

ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_bounded_affine_preimage, 1311
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_bounds_from_above, 1306
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_bounds_from_below, 1306
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_concatenate_assign, 1309
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_constrains, 1310
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_contains_integer_point, 1306
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_difference_assign, 1309
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_drop_disjunct, 1313
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_drop_disjuncts, 1313
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_expand_space_dimension, 1312
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_fold_space_dimensions, 1312
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_generalized_affine_image, 1311
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_generalized_affine_preimage,
1311
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_intersection_assign, 1309
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_is_bounded, 1305
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_is_discrete, 1306
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_is_empty, 1305
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_is_topologically_closed, 1306
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_is_universe, 1305
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_map_space_dimensions, 1312
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_maximize, 1306
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_maximize_with_point, 1307
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_minimize, 1307
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_minimize_with_point, 1307
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_OK, 1308
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_omega_reduce, 1306
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_pairwise_reduce, 1306
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_refine_with_congruence, 1309
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_refine_with_congruences, 1309
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_refine_with_constraint, 1308
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_refine_with_constraints, 1309
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_relation_with_Congruence,
1305
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_relation_with_Constraint, 1305
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_relation_with_Generator, 1305
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_remove_space_dimensions,
1312
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_size, 1313
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_space_dimension, 1305
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_time_elapse_assign, 1309
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_topological_closure_assign,
1306
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_unconstrain_space_dimension,
1310
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_unconstrain_space_dimensions,
1310
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_upper_bound_assign, 1309
ppl_Pointset_Powerset_Octagonal_Shape_int32_-
t_time_elapse_assign
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_tag, 1309
ppl_Pointset_Powerset_Octagonal_Shape_int32_-
t_topological_closure_assign
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_tag, 1306
ppl_Pointset_Powerset_Octagonal_Shape_int32_-
t_total_memory_in_bytes
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_tag, 1313
ppl_Pointset_Powerset_Octagonal_Shape_int32_-
t_unconstrain_space_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-
int32_t_tag, 1310
ppl_Pointset_Powerset_Octagonal_Shape_int32_-
t_unconstrain_space_dimensions

ppl_Pointset_Powerset_Octagonal_Shape_-int32_t_tag, 1310
ppl_Pointset_Powerset_Octagonal_Shape_int32_-t_upper_bound_assign
ppl_Pointset_Powerset_Octagonal_Shape_-int32_t_tag, 1309
ppl_Pointset_Powerset_Octagonal_Shape_int32_-t_upper_bound_assign_if_exact
ppl_Pointset_Powerset_Octagonal_Shape_-int32_t_tag, 1310
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_add_congruence
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1327
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_add_congruences
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1327
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_add_constraint
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1327
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_add_constraints
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1327
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_add_disjunct
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1332
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_add_space_dimensions_and_embed
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1330
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_add_space_dimensions_and_project
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1330
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_affine_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1323
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_affine_image
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1329
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_affine_preimage
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1329
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_ascii_dump
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1333
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_ascii_load
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1333
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_BGP99_BHMZ05_extrapolation_-assign
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1332
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_BHZ03_H79_BHMZ05_widening_-assign
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1332
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_bounded_affine_image
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1329
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_bounded_affine_preimage
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1329
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_bounds_from_above
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1325
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_bounds_from_below
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1325
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_concatenate_assign
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1328
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_const_iterator_begin
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_const_iterator_tag, 1315
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_const_iterator_decrement
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_const_iterator_tag, 1316
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_const_iterator_dereference
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_const_iterator_tag, 1316
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_const_iterator_end
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_const_iterator_tag, 1315
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_const_iterator_equal_test
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_const_iterator_tag, 1316

ppl_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_increment ppl_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_tag, 1316
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_const_iterator_tag, 1314
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_constrains ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag, 1328
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_contains_integer_point ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag, 1324
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_difference_assign ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag, 1328
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_drop_disjunct ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag, 1332
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_drop_disjuncts ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag, 1332
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_drop_some_non_integer_points ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag, 1331
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_drop_some_non_integer_points_2 ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag, 1331
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_expand_space_dimension ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag, 1331
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_external_memory_in_bytes ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag, 1331
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_fold_space_dimensions ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag, 1331
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_generalized_affine_image ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag, 1329
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_generalized_affine_image_lhs_rhs ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag, 1330
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_generalized_affine_preimage ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag, 1330
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_generalized_affine_preimage_lhs_rhs ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag, 1330
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_intersection_assign ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag, 1328
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_is_bounded ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag, 1324
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_is_discrete ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag, 1324
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_is_empty ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag, 1324
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_is_topologically_closed ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag, 1324
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_is_universe ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag, 1324
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_begin ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_tag, 1317
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_decrement ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_tag, 1318
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_dereference ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_tag, 1318
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_end ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_tag, 1317
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_equal_test ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_tag, 1317
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_iterator_increment

ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_iterator_tag, 1318
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_iterator_tag, 1316
ppl_delete_Pointset_Powerset_Octagonal_-Shape_int64_t_iterator, 1318
ppl_new_Pointset_Powerset_Octagonal_-Shape_int64_t_iterator, 1317
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_iterator_begin, 1317
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_iterator_decrement, 1318
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_iterator_dereference, 1318
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_iterator_end, 1317
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_iterator_increment, 1318
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_map_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1331
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_maximize
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1325
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_maximize_with_point
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1325
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_minimize
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1325
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_minimize_with_point
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1325
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_OK
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1326
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_omega_reduce
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1325
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_pairwise_reduce
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1325
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_refine_with_congruence
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1327
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_refine_with_congruences
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1327
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_refine_with_constraint
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1327
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_refine_with_constraints
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1327
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_relation_with_Congruence
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1324
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_relation_with_Constraint
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1323
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_relation_with_Generator
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1324
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_remove_higher_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1330
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_remove_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1330
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_simplify_using_context_assign
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1328
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_size
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1331
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_space_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_tag, 1323
ppl_Pointset_Powerset_Octagonal_Shape_int64_-t_tag, 1318
ppl_delete_Pointset_Powerset_Octagonal_-Shape_int64_t, 1322
ppl_io_asprint_Pointset_Powerset_-Octagonal_Shape_int64_t, 1332
ppl_io_fprint_Pointset_Powerset_Octagonal_-Shape_int64_t, 1332
ppl_io_print_Pointset_Powerset_Octagonal_-Shape_int64_t, 1332

ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_add_congruence, 1327
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_add_congruences, 1327
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_add_constraint, 1327
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_add_constraints, 1327
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_add_disjunct, 1332
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_affine_dimension, 1323
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_affine_image, 1329
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_affine_preimage, 1329
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_ascii_dump, 1333
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_ascii_load, 1333
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_bounded_affine_image, 1329
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_bounded_affine_preimage, 1329
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_bounds_from_above, 1325
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_bounds_from_below, 1325
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_concatenate_assign, 1328
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_constrains, 1328
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_contains_integer_point, 1324
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_difference_assign, 1328
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_drop_disjunct, 1332
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_drop_disjuncts, 1332
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_expand_space_dimension, 1331
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_fold_space_dimensions, 1331
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_generalized_affine_image, 1329
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_generalized_affine_preimage, 1330
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_intersection_assign, 1328
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_is_bounded, 1324
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_is_discrete, 1324
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_is_empty, 1324
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_is_topologically_closed, 1324
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_is_universe, 1324
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_map_space_dimensions, 1331
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_maximize, 1325
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_maximize_with_point, 1325
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_minimize, 1325
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_minimize_with_point, 1325
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_OK, 1326
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_omega_reduce, 1325
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_pairwise_reduce, 1325
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_refine_with_congruence, 1327
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_refine_with_congruences, 1327
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_refine_with_constraint, 1327
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_refine_with_constraints, 1327
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_relation_with_Congruence, 1324
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_relation_with_Constraint, 1323
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_relation_with_Generator, 1324
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_remove_space_dimensions, 1330
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_size, 1331
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_space_dimension, 1323
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_time_elapse_assign, 1328
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_topological_closure_assign, 1324
ppl_Pointset_Powerset_Octagonal_Shape_-int64_t_unconstrain_space_dimension, 1329
ppl_Pointset_Powerset_Octagonal_Shape_-

int64_t_unconstrain_space_dimensions, 1329
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_upper_bound_assign, 1328
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_time_elapse_assign
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag, 1328
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_topological_closure_assign
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag, 1324
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_total_memory_in_bytes
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag, 1331
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_unconstrain_space_dimension
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag, 1329
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_unconstrain_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag, 1329
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_upper_bound_assign
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag, 1328
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_upper_bound_assign_if_exact
ppl_Pointset_Powerset_Octagonal_Shape_int64_t_tag, 1328
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_add_congruence
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1345
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_add_congruences
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1346
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_add_constraint
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1345
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_add_constraints
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1346
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_add_disjunct
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1350
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_add_space_dimensions_and_embed
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1349
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_add_space_dimensions_and_project
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1349
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_affine_dimension
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1342
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_affine_image
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1348
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_affine_preimage
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1348
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_ascii_dump
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1351
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_ascii_load
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1351
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_BGP99_BHMZ05_extrapolation_assign
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1351
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_BHZ03_H79_BHMZ05_widening_assign
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1351
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_bounded_affine_image
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1348
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_bounded_affine_preimage
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1348
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_bounds_from_above
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1343
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_bounds_from_below
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1344
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_concatenate_assign
ppl_Pointset_Powerset_Octagonal_Shape_-

int8_t_tag, 1347
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_begin
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_tag, 1334
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_decrement
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_tag, 1334
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_dereference
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_tag, 1335
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_end
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_tag, 1334
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_equal_test
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_tag, 1334
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_increment
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_tag, 1334
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_const_iterator_tag, 1333
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_constrains
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1347
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_contains_integer_point
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1343
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_difference_assign
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1347
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_drop_disjunct
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1350
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_drop_disjuncts
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1350
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_drop_some_non_integer_points
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1350
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_drop_some_non_integer_points_2
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1350
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_expand_space_dimension
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1349
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_external_memory_in_bytes
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1350
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_fold_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1349
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_generalized_affine_image
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1348
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_generalized_affine_image_lhs_rhs
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1348
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_generalized_affine_preimage
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1348
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_generalized_affine_preimage_lhs_rhs
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1349
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_intersection_assign
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1346
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_is_bounded
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1343
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_is_discrete
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1343
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_is_empty
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1342
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_is_topologically_closed
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1343
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_is_universe
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_tag, 1343

ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-iterator_begin
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_iterator_tag, 1336
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-iterator_decrement
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_iterator_tag, 1336
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-iterator_dereference
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_iterator_tag, 1336
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-iterator_end
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_iterator_tag, 1336
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-iterator_equal_test
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_iterator_tag, 1336
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-iterator_increment
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_iterator_tag, 1336
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-iterator_tag, 1335
ppl_delete_Pointset_Powerset_Octagonal_-Shape_int8_t_iterator, 1337
ppl_new_Pointset_Powerset_Octagonal_-Shape_int8_t_iterator, 1336
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_iterator_begin, 1336
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_iterator_decrement, 1336
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_iterator_dereference, 1336
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_iterator_end, 1336
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_iterator_increment, 1336
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-map_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_tag, 1349
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-maximize
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_tag, 1344
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-maximize_with_point
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_tag, 1344
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-minimize
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_tag, 1344
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-minimize_with_point
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_tag, 1344
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-OK
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_tag, 1345
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-omega_reduce
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_tag, 1343
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-pairwise_reduce
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_tag, 1343
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-refine_with_congruence
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_tag, 1346
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-refine_with_congruences
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_tag, 1346
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-refine_with_constraint
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_tag, 1346
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-refine_with_constraints
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_tag, 1346
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-relation_with_Congruence
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_tag, 1342
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-relation_with_Constraint
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_tag, 1342
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-relation_with_Generator
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_tag, 1342
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-remove_higher_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_tag, 1349
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-remove_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_tag, 1349

ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-
simplify_using_context_assign
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_tag, 1347
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-
size
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_tag, 1350
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-
space_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_tag, 1342
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-
tag, 1337
ppl_delete_Pointset_Powerset_Octagonal_-
Shape_int8_t, 1341
ppl_io_asprint_Pointset_Powerset_-
Octagonal_Shape_int8_t, 1351
ppl_io_fprint_Pointset_Powerset_Octagonal_-
Shape_int8_t, 1351
ppl_io_print_Pointset_Powerset_Octagonal_-
Shape_int8_t, 1351
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_add_congruence, 1345
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_add_congruences, 1346
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_add_constraint, 1345
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_add_constraints, 1346
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_add_disjunct, 1350
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_affine_dimension, 1342
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_affine_image, 1348
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_affine_preimage, 1348
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_ascii_dump, 1351
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_ascii_load, 1351
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_bounded_affine_image, 1348
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_bounded_affine_preimage, 1348
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_bounds_from_above, 1343
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_bounds_from_below, 1344
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_concatenate_assign, 1347
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_constrains, 1347
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_contains_integer_point, 1343
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_difference_assign, 1347
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_drop_disjunct, 1350
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_drop_disjuncts, 1350
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_expand_space_dimension, 1349
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_fold_space_dimensions, 1349
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_generalized_affine_image, 1348
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_generalized_affine_preimage,
1348
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_intersection_assign, 1346
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_is_bounded, 1343
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_is_discrete, 1343
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_is_empty, 1342
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_is_topologically_closed, 1343
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_is_universe, 1343
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_map_space_dimensions, 1349
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_maximize, 1344
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_maximize_with_point, 1344
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_minimize, 1344
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_minimize_with_point, 1344
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_OK, 1345
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_omega_reduce, 1343
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_pairwise_reduce, 1343
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_refine_with_congruence, 1346
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_refine_with_congruences, 1346
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_refine_with_constraint, 1346
ppl_Pointset_Powerset_Octagonal_Shape_-
int8_t_refine_with_constraints, 1346
ppl_Pointset_Powerset_Octagonal_Shape_-

int8_t_relation_with_Congruence, 1342
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_relation_with_Constraint, 1342
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_relation_with_Generator, 1342
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_remove_space_dimensions, 1349
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_size, 1350
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_space_dimension, 1342
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_time_elapse_assign, 1347
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_topological_closure_assign, 1343
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_unconstrain_space_dimension, 1347
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_unconstrain_space_dimensions, 1347
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_upper_bound_assign, 1346
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-time_elapse_assign
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_tag, 1347
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-topological_closure_assign
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_tag, 1343
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-total_memory_in_bytes
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_tag, 1350
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-unconstrain_space_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_tag, 1347
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-unconstrain_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_tag, 1347
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-upper_bound_assign
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_tag, 1346
ppl_Pointset_Powerset_Octagonal_Shape_int8_t_-upper_bound_assign_if_exact
ppl_Pointset_Powerset_Octagonal_Shape_-int8_t_tag, 1347
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_add_congruence
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1365
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_add_congruences
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1365
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_add_constraint
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1364
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_add_constraints
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1365
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_add_disjunct
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1369
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_add_space_dimensions_and_-embed
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1368
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_add_space_dimensions_and_-project
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1368
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_affine_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1361
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_affine_image
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1367
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_affine_preimage
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1367
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_ascii_dump
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1370
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_ascii_load
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1371
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_BGP99_BHMZ05_-extrapolation_assign
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1370
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_BHZ03_H79_BHMZ05_-

widening_assign
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1370
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_bounded_affine_image
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1367
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_bounded_affine_preimage
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1367
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_bounds_from_above
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1363
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_bounds_from_below
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1363
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_concatenate_assign
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1366
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_const_iterator_begin
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_const_iterator_tag, 1353
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_const_iterator_decrement
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_const_iterator_tag, 1353
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_const_iterator_dereference
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_const_iterator_tag, 1353
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_const_iterator_end
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_const_iterator_tag, 1353
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_const_iterator_equal_test
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_const_iterator_tag, 1353
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_const_iterator_increment
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_const_iterator_tag, 1353
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_const_iterator_tag, 1352
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_constrains
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1366
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_contains_integer_point
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1362
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_difference_assign
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1366
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_drop_disjunct
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1370
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_drop_disjuncts
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1370
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_drop_some_non_integer_points
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1369
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_drop_some_non_integer_points_-2
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1369
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_expand_space_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1368
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_external_memory_in_bytes
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1369
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_fold_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1369
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_generalized_affine_image
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1367
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_generalized_affine_image_lhs_-rhs
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1368
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_generalized_affine_preimage
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1367
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_generalized_affine_preimage_-lhs_rhs
ppl_Pointset_Powerset_Octagonal_Shape_-

long_double_tag, 1368
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_intersection_assign
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1365
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_is_bounded
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1362
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_is_discrete
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1362
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_is_empty
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1362
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_is_topologically_closed
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1362
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_is_universe
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1362
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_iterator_begin
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_iterator_tag, 1355
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_iterator_decrement
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_iterator_tag, 1355
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_iterator_dereference
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_iterator_tag, 1355
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_iterator_end
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_iterator_tag, 1355
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_iterator_equal_test
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_iterator_tag, 1355
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_iterator_increment
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_iterator_tag, 1355
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_iterator_tag, 1354
ppl_delete_Pointset_Powerset_Octagonal_-Shape_long_double_iterator, 1355
ppl_new_Pointset_Powerset_Octagonal_-Shape_long_double_iterator, 1355
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_iterator_begin, 1355
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_iterator_decrement, 1355
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_iterator_dereference, 1355
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_iterator_end, 1355
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_iterator_increment, 1355
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_map_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1369
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_maximize
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1363
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_maximize_with_point
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1363
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_minimize
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1363
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_minimize_with_point
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1363
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_OK
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1364
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_omega_reduce
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1363
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_pairwise_reduce
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1362
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_refine_with_congruence
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1365
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_refine_with_congruences
ppl_Pointset_Powerset_Octagonal_Shape_-long_double_tag, 1365
ppl_Pointset_Powerset_Octagonal_Shape_long_-double_refine_with_constraint

ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_tag, 1365
ppl_Pointset_Powerset_Octagonal_Shape_long_-
double_refine_with_constraints
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_tag, 1365
ppl_Pointset_Powerset_Octagonal_Shape_long_-
double_relation_with_Congruence
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_tag, 1362
ppl_Pointset_Powerset_Octagonal_Shape_long_-
double_relation_with_Constraint
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_tag, 1361
ppl_Pointset_Powerset_Octagonal_Shape_long_-
double_relation_with_Generator
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_tag, 1361
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_remove_higher_space_-
dimensions
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_tag, 1368
ppl_Pointset_Powerset_Octagonal_Shape_long_-
double_remove_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_tag, 1368
ppl_Pointset_Powerset_Octagonal_Shape_long_-
double_simplify_using_context_assign
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_tag, 1366
ppl_Pointset_Powerset_Octagonal_Shape_long_-
double_size
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_tag, 1369
ppl_Pointset_Powerset_Octagonal_Shape_long_-
double_space_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_tag, 1361
ppl_Pointset_Powerset_Octagonal_Shape_long_-
double_tag, 1356
ppl_delete_Pointset_Powerset_Octagonal_-
Shape_long_double, 1360
ppl_io_asprint_Pointset_Powerset_-
Octagonal_Shape_long_double, 1370
ppl_io_fprint_Pointset_Powerset_Octagonal_-
Shape_long_double, 1370
ppl_io_print_Pointset_Powerset_Octagonal_-
Shape_long_double, 1370
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_add_congruence, 1365
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_add_congruences, 1365
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_add_constraint, 1364
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_add_constraints, 1365
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_add_disjunct, 1369
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_affine_dimension, 1361
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_affine_image, 1367
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_affine_preimage, 1367
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_ascii_dump, 1370
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_ascii_load, 1371
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_bounded_affine_image,
1367
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_bounded_affine_preimage,
1367
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_bounds_from_above, 1363
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_bounds_from_below, 1363
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_concatenate_assign, 1366
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_constrains, 1366
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_contains_integer_point,
1362
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_difference_assign, 1366
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_drop_disjunct, 1370
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_drop_disjuncts, 1370
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_expand_space_dimension,
1368
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_fold_space_dimensions,
1369
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_generalized_affine_image,
1367
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_generalized_affine_-
preimage, 1367
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_intersection_assign, 1365
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_is_bounded, 1362

ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_is_discrete, 1362
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_is_empty, 1362
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_is_topologically_closed,
1362
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_is_universe, 1362
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_map_space_dimensions,
1369
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_maximize, 1363
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_maximize_with_point,
1363
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_minimize, 1363
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_minimize_with_point,
1363
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_OK, 1364
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_omega_reduce, 1363
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_pairwise_reduce, 1362
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_refine_with_congruence,
1365
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_refine_with_congruences,
1365
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_refine_with_constraint,
1365
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_refine_with_constraints,
1365
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_relation_with_Congruence,
1362
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_relation_with_Constraint,
1361
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_relation_with_Generator,
1361
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_remove_space_dimensions,
1368
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_size, 1369
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_space_dimension, 1361
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_time_elapse_assign, 1366
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_topological_closure_assign,
1362
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_unconstrain_space_-
dimension, 1366
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_unconstrain_space_-
dimensions, 1367
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_upper_bound_assign, 1366
ppl_Pointset_Powerset_Octagonal_Shape_long_-
double_time_elapse_assign
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_tag, 1366
ppl_Pointset_Powerset_Octagonal_Shape_long_-
double_topological_closure_assign
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_tag, 1362
ppl_Pointset_Powerset_Octagonal_Shape_long_-
double_total_memory_in_bytes
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_tag, 1369
ppl_Pointset_Powerset_Octagonal_Shape_long_-
double_unconstrain_space_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_tag, 1366
ppl_Pointset_Powerset_Octagonal_Shape_long_-
double_unconstrain_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_tag, 1367
ppl_Pointset_Powerset_Octagonal_Shape_long_-
double_upper_bound_assign
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_tag, 1366
ppl_Pointset_Powerset_Octagonal_Shape_long_-
double_upper_bound_assign_if_exact
ppl_Pointset_Powerset_Octagonal_Shape_-
long_double_tag, 1366
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-
class_add_congruence
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_tag, 1384
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-
class_add_congruences
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_tag, 1384
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-
class_add_constraint
ppl_Pointset_Powerset_Octagonal_Shape_-

mpq_class_tag, 1383
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-class_add_constraints
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_tag, 1384
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-class_add_disjunct
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_tag, 1388
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-class_add_space_dimensions_and_-embed
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_tag, 1387
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-class_add_space_dimensions_and_-project
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_tag, 1387
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-class_affine_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_tag, 1380
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-class_affine_image
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_tag, 1386
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-class_affine_preimage
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_tag, 1386
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-class_ascii_dump
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_tag, 1389
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-class_ascii_load
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_tag, 1390
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-class_BGP99_BHMZ05_extrapolation_-assign
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_tag, 1389
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_BHZ03_H79_BHMZ05_-widening_assign
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_tag, 1389
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-class_bounded_affine_image
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_tag, 1386
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-class_bounded_affine_preimage
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_tag, 1386
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-class_bounds_from_above
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_tag, 1382
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-class_bounds_from_below
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_tag, 1382
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-class_concatenate_assign
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_tag, 1385
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-class_const_iterator_begin
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_const_iterator_tag, 1372
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-class_const_iterator_decrement
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_const_iterator_tag, 1372
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-class_const_iterator_dereference
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_const_iterator_tag, 1373
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-class_const_iterator_end
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_const_iterator_tag, 1372
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-class_const_iterator_equal_test
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_const_iterator_tag, 1372
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-class_const_iterator_increment
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_const_iterator_tag, 1372
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-class_const_iterator_tag, 1371
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-class_constrains
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_tag, 1385
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-class_contains_integer_point
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_tag, 1381
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-class_difference_assign
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_tag, 1385

ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_drop_disjunct
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_tag, 1389
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_drop_disjuncts
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_tag, 1389
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_drop_some_non_integer_points
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_tag, 1388
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_drop_some_non_integer_points_2
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_tag, 1388
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_expand_space_dimension
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_tag, 1387
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_external_memory_in_bytes
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_tag, 1388
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_fold_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_tag, 1388
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_generalized_affine_image
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_tag, 1386
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_generalized_affine_image_lhs_rhs
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_tag, 1387
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_generalized_affine_preimage
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_tag, 1386
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_generalized_affine_preimage_lhs_rhs
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_tag, 1387
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_intersection_assign
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_tag, 1384
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_is_bounded
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_tag, 1381
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_is_discrete
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_tag, 1381
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_is_empty
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_tag, 1381
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_is_topologically_closed
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_tag, 1381
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_is_universe
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_tag, 1381
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_begin
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_tag, 1374
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_decrement
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_tag, 1374
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_dereference
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_tag, 1375
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_end
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_tag, 1374
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_equal_test
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_tag, 1374
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_increment
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_tag, 1374
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_tag, 1373
ppl_delete_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator, 1375
ppl_new_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator, 1374
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_begin, 1374
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_decrement, 1374
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_dereference, 1375
ppl_Pointset_Powerset_Octagonal_Shape_mpq_class_iterator_end, 1374

ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_iterator_increment, 1374
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-
class_map_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_tag, 1388
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-
class_maximize
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_tag, 1382
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-
class_maximize_with_point
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_tag, 1382
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-
class_minimize
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_tag, 1382
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-
class_minimize_with_point
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_tag, 1382
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-
class_OK
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_tag, 1383
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-
class_omega_reduce
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_tag, 1382
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-
class_pairwise_reduce
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_tag, 1381
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-
class_refine_with_congruence
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_tag, 1384
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-
class_refine_with_congruences
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_tag, 1384
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-
class_refine_with_constraint
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_tag, 1384
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-
class_refine_with_constraints
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_tag, 1384
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-
class_relation_with_Congruence
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_tag, 1381
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-
class_relation_with_Constraint
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_tag, 1380
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-
class_relation_with_Generator
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_tag, 1380
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-
class_remove_higher_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_tag, 1387
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-
class_remove_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_tag, 1387
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-
class_simplify_using_context_assign
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_tag, 1385
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-
class_size
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_tag, 1388
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-
class_space_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_tag, 1380
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-
class_tag, 1375
ppl_delete_Pointset_Powerset_Octagonal_-
Shape_mpq_class, 1379
ppl_io_asprint_Pointset_Powerset_-
Octagonal_Shape_mpq_class, 1389
ppl_io_fprint_Pointset_Powerset_Octagonal_-
Shape_mpq_class, 1389
ppl_io_print_Pointset_Powerset_Octagonal_-
Shape_mpq_class, 1389
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_add_congruence, 1384
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_add_congruences, 1384
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_add_constraint, 1383
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_add_constraints, 1384
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_add_disjunct, 1388
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_affine_dimension, 1380
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_affine_image, 1386
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_affine_preimage, 1386

ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_ascii_dump, 1389
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_ascii_load, 1390
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_bounded_affine_image, 1386
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_bounded_affine_preimage,
1386
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_bounds_from_above, 1382
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_bounds_from_below, 1382
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_concatenate_assign, 1385
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_constrains, 1385
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_contains_integer_point, 1381
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_difference_assign, 1385
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_drop_disjunct, 1389
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_drop_disjuncts, 1389
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_expand_space_dimension,
1387
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_fold_space_dimensions,
1388
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_generalized_affine_image,
1386
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_generalized_affine_preimage,
1386
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_intersection_assign, 1384
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_is_bounded, 1381
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_is_discrete, 1381
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_is_empty, 1381
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_is_topologically_closed,
1381
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_is_universe, 1381
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_map_space_dimensions,
1388
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_maximize, 1382
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_maximize_with_point, 1382
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_minimize, 1382
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_minimize_with_point, 1382
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_OK, 1383
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_omega_reduce, 1382
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_pairwise_reduce, 1381
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_refine_with_congruence,
1384
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_refine_with_congruences,
1384
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_refine_with_constraint, 1384
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_refine_with_constraints,
1384
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_relation_with_Congruence,
1381
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_relation_with_Constraint,
1380
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_relation_with_Generator,
1380
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_remove_space_dimensions,
1387
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_size, 1388
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_space_dimension, 1380
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_time_elapse_assign, 1385
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_topological_closure_assign,
1381
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_unconstrain_space_-
dimension, 1385
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_unconstrain_space_-
dimensions, 1386
ppl_Pointset_Powerset_Octagonal_Shape_-
mpq_class_upper_bound_assign, 1385
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-

class_time_elapse_assign
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_tag, 1385
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-class_topological_closure_assign
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_tag, 1381
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-class_total_memory_in_bytes
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_tag, 1388
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-class_unconstrain_space_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_tag, 1385
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-class_unconstrain_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_tag, 1386
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-class_upper_bound_assign
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_tag, 1385
ppl_Pointset_Powerset_Octagonal_Shape_mpq_-class_upper_bound_assign_if_exact
ppl_Pointset_Powerset_Octagonal_Shape_-mpq_class_tag, 1385
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_add_congruence
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1403
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_add_congruences
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1403
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_add_constraint
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1402
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_add_constraints
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1403
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_add_disjunct
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1407
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_add_space_dimensions_and_-embed
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1406
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_add_space_dimensions_and_-project
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1406
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_affine_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1399
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_affine_image
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1405
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_affine_preimage
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1405
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_ascii_dump
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1408
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_ascii_load
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1409
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_BGP99_BHMZ05_extrapolation_-assign
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1408
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_BHZ03_H79_BHMZ05_-widening_assign
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1408
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_bounded_affine_image
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1405
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_bounded_affine_preimage
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1405
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_bounds_from_above
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1401
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_bounds_from_below
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1401
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_concatenate_assign
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1404
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-

class_const_iterator_begin
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_const_iterator_tag, 1391
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_const_iterator_decrement
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_const_iterator_tag, 1391
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_const_iterator_dereference
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_const_iterator_tag, 1392
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_const_iterator_end
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_const_iterator_tag, 1391
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_const_iterator_equal_test
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_const_iterator_tag, 1391
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_const_iterator_increment
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_const_iterator_tag, 1391
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_const_iterator_tag, 1390
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_constrains
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1404
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_contains_integer_point
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1400
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_difference_assign
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1404
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_drop_disjunct
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1408
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_drop_disjuncts
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1408
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_drop_some_non_integer_points
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1407
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_drop_some_non_integer_points_2
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1407
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_expand_space_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1406
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_external_memory_in_bytes
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1407
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_fold_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1407
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_generalized_affine_image
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1405
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_generalized_affine_image_lhs_rhs
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1406
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_generalized_affine_preimage
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1405
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_generalized_affine_preimage_lhs_-rhs
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1406
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_intersection_assign
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1403
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_is_bounded
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1400
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_is_discrete
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1400
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_is_empty
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1400
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_is_topologically_closed
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1400
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_is_universe
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1400
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-

class_iterator_begin
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_iterator_tag, 1393
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-
class_iterator_decrement
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_iterator_tag, 1393
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-
class_iterator_dereference
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_iterator_tag, 1394
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-
class_iterator_end
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_iterator_tag, 1393
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-
class_iterator_equal_test
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_iterator_tag, 1393
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-
class_iterator_increment
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_iterator_tag, 1393
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-
class_iterator_tag, 1392
ppl_delete_Pointset_Powerset_Octagonal_-
Shape_mpz_class_iterator, 1394
ppl_new_Pointset_Powerset_Octagonal_-
Shape_mpz_class_iterator, 1393
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_iterator_begin, 1393
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_iterator_decrement, 1393
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_iterator_dereference, 1394
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_iterator_end, 1393
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_iterator_increment, 1393
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-
class_map_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_tag, 1407
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-
class_maximize
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_tag, 1401
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-
class_maximize_with_point
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_tag, 1401
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-
class_minimize
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_tag, 1401
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-
class_minimize_with_point
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_tag, 1401
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-
class_OK
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_tag, 1402
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-
class_omega_reduce
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_tag, 1401
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-
class_pairwise_reduce
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_tag, 1400
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-
class_refine_with_congruence
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_tag, 1403
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-
class_refine_with_congruences
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_tag, 1403
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-
class_refine_with_constraint
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_tag, 1403
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-
class_refine_with_constraints
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_tag, 1403
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-
class_relation_with_Congruence
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_tag, 1400
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-
class_relation_with_Constraint
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_tag, 1399
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-
class_relation_with_Generator
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_tag, 1399
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-
class_remove_higher_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_tag, 1406
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-
class_remove_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_tag, 1406

ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_simplify_using_context_assign
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1404
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_size
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1407
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_space_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_tag, 1399
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-class_tag, 1394
ppl_delete_Pointset_Powerset_Octagonal_-Shape_mpz_class, 1398
ppl_io_asprint_Pointset_Powerset_-Octagonal_Shape_mpz_class, 1408
ppl_io_fprint_Pointset_Powerset_Octagonal_-Shape_mpz_class, 1408
ppl_io_print_Pointset_Powerset_Octagonal_-Shape_mpz_class, 1408
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_add_congruence, 1403
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_add_congruences, 1403
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_add_constraint, 1402
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_add_constraints, 1403
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_add_disjunct, 1407
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_affine_dimension, 1399
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_affine_image, 1405
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_affine_preimage, 1405
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_ascii_dump, 1408
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_ascii_load, 1409
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_bounded_affine_image, 1405
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_bounded_affine_preimage, 1405
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_bounds_from_above, 1401
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_bounds_from_below, 1401
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_concatenate_assign, 1404
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_constrains, 1404
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_contains_integer_point, 1400
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_difference_assign, 1404
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_drop_disjunct, 1408
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_drop_disjuncts, 1408
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_expand_space_dimension, 1406
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_fold_space_dimensions, 1407
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_generalized_affine_image, 1405
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_generalized_affine_preimage, 1405
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_intersection_assign, 1403
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_is_bounded, 1400
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_is_discrete, 1400
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_is_empty, 1400
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_is_topologically_closed, 1400
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_is_universe, 1400
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_map_space_dimensions, 1407
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_maximize, 1401
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_maximize_with_point, 1401
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_minimize, 1401
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_minimize_with_point, 1401
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_OK, 1402
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_omega_reduce, 1401
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_pairwise_reduce, 1400
ppl_Pointset_Powerset_Octagonal_Shape_-mpz_class_refine_with_congruence, 1403

ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_refine_with_congruences,
1403
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_refine_with_constraint, 1403
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_refine_with_constraints,
1403
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_relation_with_Congruence,
1400
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_relation_with_Constraint,
1399
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_relation_with_Generator,
1399
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_remove_space_dimensions,
1406
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_size, 1407
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_space_dimension, 1399
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_time_elapse_assign, 1404
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_topological_closure_assign,
1400
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_unconstrain_space_-
dimension, 1404
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_unconstrain_space_-
dimensions, 1405
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_upper_bound_assign, 1404
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-
class_time_elapse_assign
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_tag, 1404
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-
class_topological_closure_assign
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_tag, 1400
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-
class_total_memory_in_bytes
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_tag, 1407
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-
class_unconstrain_space_dimension
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_tag, 1404
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-
class_unconstrain_space_dimensions
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_tag, 1405
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-
class_upper_bound_assign
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_tag, 1404
ppl_Pointset_Powerset_Octagonal_Shape_mpz_-
class_upper_bound_assign_if_exact
ppl_Pointset_Powerset_Octagonal_Shape_-
mpz_class_tag, 1404
ppl_Pointset_Powerset_Rational_Box_add_-
congruence
ppl_Pointset_Powerset_Rational_Box_tag,
1421
ppl_Pointset_Powerset_Rational_Box_add_-
congruences
ppl_Pointset_Powerset_Rational_Box_tag,
1421
ppl_Pointset_Powerset_Rational_Box_add_-
constraint
ppl_Pointset_Powerset_Rational_Box_tag,
1420
ppl_Pointset_Powerset_Rational_Box_add_-
constraints
ppl_Pointset_Powerset_Rational_Box_tag,
1421
ppl_Pointset_Powerset_Rational_Box_add_-
disjunct
ppl_Pointset_Powerset_Rational_Box_tag,
1425
ppl_Pointset_Powerset_Rational_Box_add_space_-
dimensions_and_embed
ppl_Pointset_Powerset_Rational_Box_tag,
1424
ppl_Pointset_Powerset_Rational_Box_add_space_-
dimensions_and_project
ppl_Pointset_Powerset_Rational_Box_tag,
1424
ppl_Pointset_Powerset_Rational_Box_affine_-
dimension
ppl_Pointset_Powerset_Rational_Box_tag,
1417
ppl_Pointset_Powerset_Rational_Box_affine_-
image
ppl_Pointset_Powerset_Rational_Box_tag,
1423
ppl_Pointset_Powerset_Rational_Box_affine_-
preimage
ppl_Pointset_Powerset_Rational_Box_tag,
1423
ppl_Pointset_Powerset_Rational_Box_ascii_dump
ppl_Pointset_Powerset_Rational_Box_tag,
1426

ppl_Pointset_Powerset_Rational_Box_ascii_load
ppl_Pointset_Powerset_Rational_Box_tag, 1426
ppl_Pointset_Powerset_Rational_Box_bounded_affine_image
ppl_Pointset_Powerset_Rational_Box_tag, 1423
ppl_Pointset_Powerset_Rational_Box_bounded_affine_preimage
ppl_Pointset_Powerset_Rational_Box_tag, 1423
ppl_Pointset_Powerset_Rational_Box_bounds_from_above
ppl_Pointset_Powerset_Rational_Box_tag, 1419
ppl_Pointset_Powerset_Rational_Box_bounds_from_below
ppl_Pointset_Powerset_Rational_Box_tag, 1419
ppl_Pointset_Powerset_Rational_Box_concatenate_assign
ppl_Pointset_Powerset_Rational_Box_tag, 1422
ppl_Pointset_Powerset_Rational_Box_const_iterator_begin
ppl_Pointset_Powerset_Rational_Box_const_iterator_tag, 1410
ppl_Pointset_Powerset_Rational_Box_const_iterator_decrement
ppl_Pointset_Powerset_Rational_Box_const_iterator_tag, 1410
ppl_Pointset_Powerset_Rational_Box_const_iterator_dereference
ppl_Pointset_Powerset_Rational_Box_const_iterator_tag, 1410
ppl_Pointset_Powerset_Rational_Box_const_iterator_end
ppl_Pointset_Powerset_Rational_Box_const_iterator_tag, 1410
ppl_Pointset_Powerset_Rational_Box_const_iterator_equal_test
ppl_Pointset_Powerset_Rational_Box_const_iterator_tag, 1410
ppl_Pointset_Powerset_Rational_Box_const_iterator_increment
ppl_Pointset_Powerset_Rational_Box_const_iterator_tag, 1410
ppl_Pointset_Powerset_Rational_Box_const_iterator_tag, 1409
ppl_delete_Pointset_Powerset_Rational_Box_const_iterator, 1410
ppl_new_Pointset_Powerset_Rational_Box_const_iterator, 1410
ppl_Pointset_Powerset_Rational_Box_const_iterator_begin, 1410
ppl_Pointset_Powerset_Rational_Box_const_iterator_decrement, 1410
ppl_Pointset_Powerset_Rational_Box_const_iterator_dereference, 1410
ppl_Pointset_Powerset_Rational_Box_const_iterator_end, 1410
ppl_Pointset_Powerset_Rational_Box_const_iterator_equal_test, 1410
ppl_Pointset_Powerset_Rational_Box_const_iterator_increment, 1410
ppl_Pointset_Powerset_Rational_Box_constrains
ppl_Pointset_Powerset_Rational_Box_tag, 1422
ppl_Pointset_Powerset_Rational_Box_contains_integer_point
ppl_Pointset_Powerset_Rational_Box_tag, 1418
ppl_Pointset_Powerset_Rational_Box_contains_Pointset_Powerset_Rational_Box
ppl_Pointset_Powerset_Rational_Box_tag, 1420
ppl_Pointset_Powerset_Rational_Box_difference_assign
ppl_Pointset_Powerset_Rational_Box_tag, 1422
ppl_Pointset_Powerset_Rational_Box_drop_disjunct
ppl_Pointset_Powerset_Rational_Box_tag, 1425
ppl_Pointset_Powerset_Rational_Box_drop_disjuncts
ppl_Pointset_Powerset_Rational_Box_tag, 1426
ppl_Pointset_Powerset_Rational_Box_drop_some_non_integer_points
ppl_Pointset_Powerset_Rational_Box_tag, 1425
ppl_Pointset_Powerset_Rational_Box_drop_some_non_integer_points_2
ppl_Pointset_Powerset_Rational_Box_tag, 1425
ppl_Pointset_Powerset_Rational_Box_equals_Pointset_Powerset_Rational_Box
ppl_Pointset_Powerset_Rational_Box_tag, 1420
ppl_Pointset_Powerset_Rational_Box_expand_space_dimension
ppl_Pointset_Powerset_Rational_Box_tag, 1424
ppl_Pointset_Powerset_Rational_Box_external_memory_in_bytes
ppl_Pointset_Powerset_Rational_Box_tag,

1425
ppl_Pointset_Powerset_Rational_Box_fold_-space_dimensions ppl_Pointset_Powerset_Rational_Box_tag, 1424
ppl_Pointset_Powerset_Rational_Box_-generalized_affine_image ppl_Pointset_Powerset_Rational_Box_tag, 1423
ppl_Pointset_Powerset_Rational_Box_-generalized_affine_image_lhs_rhs ppl_Pointset_Powerset_Rational_Box_tag, 1424
ppl_Pointset_Powerset_Rational_Box_-generalized_affine_preimage ppl_Pointset_Powerset_Rational_Box_tag, 1423
ppl_Pointset_Powerset_Rational_Box_-generalized_affine_preimage_lhs_rhs ppl_Pointset_Powerset_Rational_Box_tag, 1424
ppl_Pointset_Powerset_Rational_Box_-geometrically_covers_Pointset_-Powerset_Rational_Box ppl_Pointset_Powerset_Rational_Box_tag, 1420
ppl_Pointset_Powerset_Rational_Box_-geometrically_equals_Pointset_-Powerset_Rational_Box ppl_Pointset_Powerset_Rational_Box_tag, 1420
ppl_Pointset_Powerset_Rational_Box_-intersection_assign ppl_Pointset_Powerset_Rational_Box_tag, 1421
ppl_Pointset_Powerset_Rational_Box_is_bounded ppl_Pointset_Powerset_Rational_Box_tag, 1418
ppl_Pointset_Powerset_Rational_Box_is_discrete ppl_Pointset_Powerset_Rational_Box_tag, 1418
ppl_Pointset_Powerset_Rational_Box_is_disjoint_-from_Pointset_Powerset_Rational_Box ppl_Pointset_Powerset_Rational_Box_tag, 1420
ppl_Pointset_Powerset_Rational_Box_is_empty ppl_Pointset_Powerset_Rational_Box_tag, 1418
ppl_Pointset_Powerset_Rational_Box_is_-topologically_closed ppl_Pointset_Powerset_Rational_Box_tag, 1418
ppl_Pointset_Powerset_Rational_Box_is_universe ppl_Pointset_Powerset_Rational_Box_tag, 1418
ppl_Pointset_Powerset_Rational_Box_iterator_-begin ppl_Pointset_Powerset_Rational_Box_-iterator_tag, 1412
ppl_Pointset_Powerset_Rational_Box_iterator_-decrement ppl_Pointset_Powerset_Rational_Box_-iterator_tag, 1412
ppl_Pointset_Powerset_Rational_Box_iterator_-dereference ppl_Pointset_Powerset_Rational_Box_-iterator_tag, 1412
ppl_Pointset_Powerset_Rational_Box_iterator_end ppl_Pointset_Powerset_Rational_Box_-iterator_tag, 1412
ppl_Pointset_Powerset_Rational_Box_iterator_-equal_test ppl_Pointset_Powerset_Rational_Box_-iterator_tag, 1412
ppl_Pointset_Powerset_Rational_Box_iterator_-increment ppl_Pointset_Powerset_Rational_Box_-iterator_tag, 1412
ppl_Pointset_Powerset_Rational_Box_iterator_tag, 1411
ppl_delete_Pointset_Powerset_Rational_-Box_iterator, 1412
ppl_new_Pointset_Powerset_Rational_Box_-iterator, 1411
ppl_new_Pointset_Powerset_Rational_Box_-iterator_from_iterator, 1411
ppl_Pointset_Powerset_Rational_Box_-iterator_begin, 1412
ppl_Pointset_Powerset_Rational_Box_-iterator_decrement, 1412
ppl_Pointset_Powerset_Rational_Box_-iterator_dereference, 1412
ppl_Pointset_Powerset_Rational_Box_-iterator_end, 1412
ppl_Pointset_Powerset_Rational_Box_-iterator_equal_test, 1412
ppl_Pointset_Powerset_Rational_Box_-iterator_increment, 1412
ppl_Pointset_Powerset_Rational_Box_map_-space_dimensions ppl_Pointset_Powerset_Rational_Box_tag, 1425
ppl_Pointset_Powerset_Rational_Box_maximize ppl_Pointset_Powerset_Rational_Box_tag, 1419
ppl_Pointset_Powerset_Rational_Box_maximize_-with_point ppl_Pointset_Powerset_Rational_Box_tag,

1419
ppl_Pointset_Powerset_Rational_Box_minimize
ppl_Pointset_Powerset_Rational_Box_tag, 1419
ppl_Pointset_Powerset_Rational_Box_minimize_-with_point
ppl_Pointset_Powerset_Rational_Box_tag, 1419
ppl_Pointset_Powerset_Rational_Box_OK
ppl_Pointset_Powerset_Rational_Box_tag, 1420
ppl_Pointset_Powerset_Rational_Box_omega_-reduce
ppl_Pointset_Powerset_Rational_Box_tag, 1419
ppl_Pointset_Powerset_Rational_Box_pairwise_-reduce
ppl_Pointset_Powerset_Rational_Box_tag, 1419
ppl_Pointset_Powerset_Rational_Box_refine_-with_congruence
ppl_Pointset_Powerset_Rational_Box_tag, 1421
ppl_Pointset_Powerset_Rational_Box_refine_-with_congruences
ppl_Pointset_Powerset_Rational_Box_tag, 1421
ppl_Pointset_Powerset_Rational_Box_refine_-with_constraint
ppl_Pointset_Powerset_Rational_Box_tag, 1421
ppl_Pointset_Powerset_Rational_Box_refine_-with_constraints
ppl_Pointset_Powerset_Rational_Box_tag, 1421
ppl_Pointset_Powerset_Rational_Box_relation_-with_Congruence
ppl_Pointset_Powerset_Rational_Box_tag, 1418
ppl_Pointset_Powerset_Rational_Box_relation_-with_Constraint
ppl_Pointset_Powerset_Rational_Box_tag, 1417
ppl_Pointset_Powerset_Rational_Box_relation_-with_Generator
ppl_Pointset_Powerset_Rational_Box_tag, 1418
ppl_Pointset_Powerset_Rational_Box_remove_-higher_space_dimensions
ppl_Pointset_Powerset_Rational_Box_tag, 1424
ppl_Pointset_Powerset_Rational_Box_remove_-space_dimensions
ppl_Pointset_Powerset_Rational_Box_tag, 1424
ppl_Pointset_Powerset_Rational_Box_simplify_-using_context_assign
ppl_Pointset_Powerset_Rational_Box_tag, 1422
ppl_Pointset_Powerset_Rational_Box_size
ppl_Pointset_Powerset_Rational_Box_tag, 1425
ppl_Pointset_Powerset_Rational_Box_space_-dimension
ppl_Pointset_Powerset_Rational_Box_tag, 1417
ppl_Pointset_Powerset_Rational_Box_strictly_-contains_Pointset_Powerset_Rational_-Box
ppl_Pointset_Powerset_Rational_Box_tag, 1420
ppl_Pointset_Powerset_Rational_Box_tag, 1413
ppl_delete_Pointset_Powerset_Rational_Box, 1416
ppl_io_asprint_Pointset_Powerset_Rational_-Box, 1426
ppl_io_fprint_Pointset_Powerset_Rational_-Box, 1426
ppl_io_print_Pointset_Powerset_Rational_-Box, 1426
ppl_new_Pointset_Powerset_Rational_Box_-from_Congruence_System, 1417
ppl_new_Pointset_Powerset_Rational_Box_-from_Constraint_System, 1417
ppl_new_Pointset_Powerset_Rational_Box_-from_Pointset_Powerset_Rational_Box, 1416
ppl_new_Pointset_Powerset_Rational_Box_-from_Rational_Box, 1417
ppl_new_Pointset_Powerset_Rational_Box_-from_Rational_Box_with_complexity, 1417
ppl_new_Pointset_Powerset_Rational_Box_-from_space_dimension, 1416
ppl_Pointset_Powerset_Rational_Box_add_-congruence, 1421
ppl_Pointset_Powerset_Rational_Box_add_-congruences, 1421
ppl_Pointset_Powerset_Rational_Box_add_-constraint, 1420
ppl_Pointset_Powerset_Rational_Box_add_-constraints, 1421
ppl_Pointset_Powerset_Rational_Box_add_-disjunct, 1425
ppl_Pointset_Powerset_Rational_Box_add_-space_dimensions_and_embed, 1424
ppl_Pointset_Powerset_Rational_Box_add_-space_dimensions_and_project, 1424

ppl_Pointset_Powerset_Rational_Box_-affine_dimension, 1417
ppl_Pointset_Powerset_Rational_Box_-affine_image, 1423
ppl_Pointset_Powerset_Rational_Box_-affine_preimage, 1423
ppl_Pointset_Powerset_Rational_Box_ascii_-dump, 1426
ppl_Pointset_Powerset_Rational_Box_ascii_-load, 1426
ppl_Pointset_Powerset_Rational_Box_-bounded_affine_image, 1423
ppl_Pointset_Powerset_Rational_Box_-bounded_affine_preimage, 1423
ppl_Pointset_Powerset_Rational_Box_-bounds_from_above, 1419
ppl_Pointset_Powerset_Rational_Box_-bounds_from_below, 1419
ppl_Pointset_Powerset_Rational_Box_-concatenate_assign, 1422
ppl_Pointset_Powerset_Rational_Box_-constrains, 1422
ppl_Pointset_Powerset_Rational_Box_-contains_integer_point, 1418
ppl_Pointset_Powerset_Rational_Box_-contains_Pointset_Powerset_Rational_-Box, 1420
ppl_Pointset_Powerset_Rational_Box_-difference_assign, 1422
ppl_Pointset_Powerset_Rational_Box_drop_-disjunct, 1425
ppl_Pointset_Powerset_Rational_Box_drop_-disjuncts, 1426
ppl_Pointset_Powerset_Rational_Box_drop_-some_non_integer_points, 1425
ppl_Pointset_Powerset_Rational_Box_drop_-some_non_integer_points_2, 1425
ppl_Pointset_Powerset_Rational_Box_-equals_Pointset_Powerset_Rational_Box, 1420
ppl_Pointset_Powerset_Rational_Box_-expand_space_dimension, 1424
ppl_Pointset_Powerset_Rational_Box_-external_memory_in_bytes, 1425
ppl_Pointset_Powerset_Rational_Box_fold_-space_dimensions, 1424
ppl_Pointset_Powerset_Rational_Box_-generalized_affine_image, 1423
ppl_Pointset_Powerset_Rational_Box_-generalized_affine_image_lhs_rhs, 1424
ppl_Pointset_Powerset_Rational_Box_-generalized_affine_preimage, 1423
ppl_Pointset_Powerset_Rational_Box_-generalized_affine_preimage_lhs_rhs, 1424
ppl_Pointset_Powerset_Rational_Box_-geometrically_covers_Pointset_-Powerset_Rational_Box, 1420
ppl_Pointset_Powerset_Rational_Box_-geometrically_equals_Pointset_-Powerset_Rational_Box, 1420
ppl_Pointset_Powerset_Rational_Box_-intersection_assign, 1421
ppl_Pointset_Powerset_Rational_Box_is_-bounded, 1418
ppl_Pointset_Powerset_Rational_Box_is_-discrete, 1418
ppl_Pointset_Powerset_Rational_Box_is_-disjoint_from_Pointset_Powerset_-Rational_Box, 1420
ppl_Pointset_Powerset_Rational_Box_is_-empty, 1418
ppl_Pointset_Powerset_Rational_Box_is_-topologically_closed, 1418
ppl_Pointset_Powerset_Rational_Box_is_-universe, 1418
ppl_Pointset_Powerset_Rational_Box_map_-space_dimensions, 1425
ppl_Pointset_Powerset_Rational_Box_-maximize, 1419
ppl_Pointset_Powerset_Rational_Box_-maximize_with_point, 1419
ppl_Pointset_Powerset_Rational_Box_-minimize, 1419
ppl_Pointset_Powerset_Rational_Box_-minimize_with_point, 1419
ppl_Pointset_Powerset_Rational_Box_OK, 1420
ppl_Pointset_Powerset_Rational_Box_-omega_reduce, 1419
ppl_Pointset_Powerset_Rational_Box_-pairwise_reduce, 1419
ppl_Pointset_Powerset_Rational_Box_-refine_with_congruence, 1421
ppl_Pointset_Powerset_Rational_Box_-refine_with_congruences, 1421
ppl_Pointset_Powerset_Rational_Box_-refine_with_constraint, 1421
ppl_Pointset_Powerset_Rational_Box_-refine_with_constraints, 1421
ppl_Pointset_Powerset_Rational_Box_-relation_with_Congruence, 1418
ppl_Pointset_Powerset_Rational_Box_-relation_with_Constraint, 1417
ppl_Pointset_Powerset_Rational_Box_-relation_with_Generator, 1418
ppl_Pointset_Powerset_Rational_Box_-remove_higher_space_dimensions, 1424

ppl_Pointset_Powerset_Rational_Box_-remove_space_dimensions, 1424
ppl_Pointset_Powerset_Rational_Box_-simplify_using_context_assign, 1422
ppl_Pointset_Powerset_Rational_Box_size, 1425
ppl_Pointset_Powerset_Rational_Box_-space_dimension, 1417
ppl_Pointset_Powerset_Rational_Box_-strictly_contains_Pointset_Powerset_-Rational_Box, 1420
ppl_Pointset_Powerset_Rational_Box_time_-elapse_assign, 1422
ppl_Pointset_Powerset_Rational_Box_-topological_closure_assign, 1418
ppl_Pointset_Powerset_Rational_Box_total_-memory_in_bytes, 1425
ppl_Pointset_Powerset_Rational_Box_-unconstrain_space_dimension, 1422
ppl_Pointset_Powerset_Rational_Box_-unconstrain_space_dimensions, 1423
ppl_Pointset_Powerset_Rational_Box_-upper_bound_assign, 1422
ppl_Pointset_Powerset_Rational_Box_-upper_bound_assign_if_exact, 1422
ppl_Pointset_Powerset_Rational_Box_time_-elapse_assign
ppl_Pointset_Powerset_Rational_Box_tag, 1422
ppl_Pointset_Powerset_Rational_Box_-topological_closure_assign
ppl_Pointset_Powerset_Rational_Box_tag, 1418
ppl_Pointset_Powerset_Rational_Box_total_-memory_in_bytes
ppl_Pointset_Powerset_Rational_Box_tag, 1425
ppl_Pointset_Powerset_Rational_Box_-unconstrain_space_dimension
ppl_Pointset_Powerset_Rational_Box_tag, 1422
ppl_Pointset_Powerset_Rational_Box_-unconstrain_space_dimensions
ppl_Pointset_Powerset_Rational_Box_tag, 1423
ppl_Pointset_Powerset_Rational_Box_upper_-bound_assign
ppl_Pointset_Powerset_Rational_Box_tag, 1422
ppl_Pointset_Powerset_Rational_Box_upper_-bound_assign_if_exact
ppl_Pointset_Powerset_Rational_Box_tag, 1422
ppl_Pointset_Powerset_Uint16_Box_add_-congruence
ppl_Pointset_Powerset_Uint16_Box_tag, 1438
ppl_Pointset_Powerset_Uint16_Box_add_-congruences
ppl_Pointset_Powerset_Uint16_Box_tag, 1438
ppl_Pointset_Powerset_Uint16_Box_add_-constraint
ppl_Pointset_Powerset_Uint16_Box_tag, 1438
ppl_Pointset_Powerset_Uint16_Box_add_-constraints
ppl_Pointset_Powerset_Uint16_Box_tag, 1438
ppl_Pointset_Powerset_Uint16_Box_add_disjunct
ppl_Pointset_Powerset_Uint16_Box_tag, 1443
ppl_Pointset_Powerset_Uint16_Box_add_space_-dimensions_and_embed
ppl_Pointset_Powerset_Uint16_Box_tag, 1441
ppl_Pointset_Powerset_Uint16_Box_add_space_-dimensions_and_project
ppl_Pointset_Powerset_Uint16_Box_tag, 1442
ppl_Pointset_Powerset_Uint16_Box_affine_-dimension
ppl_Pointset_Powerset_Uint16_Box_tag, 1435
ppl_Pointset_Powerset_Uint16_Box_affine_image
ppl_Pointset_Powerset_Uint16_Box_tag, 1440
ppl_Pointset_Powerset_Uint16_Box_affine_-preimage
ppl_Pointset_Powerset_Uint16_Box_tag, 1440
ppl_Pointset_Powerset_Uint16_Box_ascii_dump
ppl_Pointset_Powerset_Uint16_Box_tag, 1444
ppl_Pointset_Powerset_Uint16_Box_ascii_load
ppl_Pointset_Powerset_Uint16_Box_tag, 1444
ppl_Pointset_Powerset_Uint16_Box_bounded_-affine_image
ppl_Pointset_Powerset_Uint16_Box_tag, 1441
ppl_Pointset_Powerset_Uint16_Box_bounded_-affine_preimage
ppl_Pointset_Powerset_Uint16_Box_tag, 1441
ppl_Pointset_Powerset_Uint16_Box_bounds_-from_above

ppl_Pointset_Powerset_Uint16_Box_tag, 1436
ppl_Pointset_Powerset_Uint16_Box_bounds_from_below
ppl_Pointset_Powerset_Uint16_Box_tag, 1437
ppl_Pointset_Powerset_Uint16_Box_concatenate_assign
ppl_Pointset_Powerset_Uint16_Box_tag, 1439
ppl_Pointset_Powerset_Uint16_Box_const_iterator_begin
ppl_Pointset_Powerset_Uint16_Box_const_iterator_tag, 1427
ppl_Pointset_Powerset_Uint16_Box_const_iterator_decrement
ppl_Pointset_Powerset_Uint16_Box_const_iterator_tag, 1428
ppl_Pointset_Powerset_Uint16_Box_const_iterator_dereference
ppl_Pointset_Powerset_Uint16_Box_const_iterator_tag, 1428
ppl_Pointset_Powerset_Uint16_Box_const_iterator_end
ppl_Pointset_Powerset_Uint16_Box_const_iterator_tag, 1427
ppl_Pointset_Powerset_Uint16_Box_const_iterator_equal_test
ppl_Pointset_Powerset_Uint16_Box_const_iterator_tag, 1428
ppl_Pointset_Powerset_Uint16_Box_const_iterator_increment
ppl_Pointset_Powerset_Uint16_Box_const_iterator_tag, 1428
ppl_Pointset_Powerset_Uint16_Box_const_iterator_tag, 1426
ppl_delete_Pointset_Powerset_Uint16_Box_const_iterator, 1428
ppl_new_Pointset_Powerset_Uint16_Box_const_iterator, 1427
ppl_Pointset_Powerset_Uint16_Box_const_iterator_begin, 1427
ppl_Pointset_Powerset_Uint16_Box_const_iterator_decrement, 1428
ppl_Pointset_Powerset_Uint16_Box_const_iterator_dereference, 1428
ppl_Pointset_Powerset_Uint16_Box_const_iterator_end, 1427
ppl_Pointset_Powerset_Uint16_Box_const_iterator_equal_test, 1428
ppl_Pointset_Powerset_Uint16_Box_const_iterator_increment, 1428
ppl_Pointset_Powerset_Uint16_Box_constrains
ppl_Pointset_Powerset_Uint16_Box_tag, 1440
ppl_Pointset_Powerset_Uint16_Box_contains_integer_point
ppl_Pointset_Powerset_Uint16_Box_tag, 1436
ppl_Pointset_Powerset_Uint16_Box_contains_Pointset_Powerset_Uint16_Box
ppl_Pointset_Powerset_Uint16_Box_tag, 1437
ppl_Pointset_Powerset_Uint16_Box_difference_assign
ppl_Pointset_Powerset_Uint16_Box_tag, 1439
ppl_Pointset_Powerset_Uint16_Box_drop_disjunct
ppl_Pointset_Powerset_Uint16_Box_tag, 1443
ppl_Pointset_Powerset_Uint16_Box_drop_disjuncts
ppl_Pointset_Powerset_Uint16_Box_tag, 1443
ppl_Pointset_Powerset_Uint16_Box_drop_some_non_integer_points
ppl_Pointset_Powerset_Uint16_Box_tag, 1442
ppl_Pointset_Powerset_Uint16_Box_drop_some_non_integer_points_2
ppl_Pointset_Powerset_Uint16_Box_tag, 1442
ppl_Pointset_Powerset_Uint16_Box_equals_Pointset_Powerset_Uint16_Box
ppl_Pointset_Powerset_Uint16_Box_tag, 1438
ppl_Pointset_Powerset_Uint16_Box_expand_space_dimension
ppl_Pointset_Powerset_Uint16_Box_tag, 1442
ppl_Pointset_Powerset_Uint16_Box_external_memory_in_bytes
ppl_Pointset_Powerset_Uint16_Box_tag, 1443
ppl_Pointset_Powerset_Uint16_Box_fold_space_dimensions
ppl_Pointset_Powerset_Uint16_Box_tag, 1442
ppl_Pointset_Powerset_Uint16_Box_generalized_affine_image
ppl_Pointset_Powerset_Uint16_Box_tag, 1441
ppl_Pointset_Powerset_Uint16_Box_generalized_affine_image_lhs_rhs
ppl_Pointset_Powerset_Uint16_Box_tag, 1441
ppl_Pointset_Powerset_Uint16_Box_generalized_affine_preimage

ppl_Pointset_Powerset_Uint16_Box_tag, 1441
ppl_Pointset_Powerset_Uint16_Box_generalized_affine_preimage_lhs_rhs
ppl_Pointset_Powerset_Uint16_Box_tag, 1441
ppl_Pointset_Powerset_Uint16_Box_geometrically_covers_Pointset_Powerset_Uint16_Box
ppl_Pointset_Powerset_Uint16_Box_tag, 1438
ppl_Pointset_Powerset_Uint16_Box_geometrically_equals_Pointset_Powerset_Uint16_Box
ppl_Pointset_Powerset_Uint16_Box_tag, 1438
ppl_Pointset_Powerset_Uint16_Box_intersection_assign
ppl_Pointset_Powerset_Uint16_Box_tag, 1439
ppl_Pointset_Powerset_Uint16_Box_is_bounded
ppl_Pointset_Powerset_Uint16_Box_tag, 1436
ppl_Pointset_Powerset_Uint16_Box_is_discrete
ppl_Pointset_Powerset_Uint16_Box_tag, 1436
ppl_Pointset_Powerset_Uint16_Box_is_disjoint_from_Pointset_Powerset_Uint16_Box
ppl_Pointset_Powerset_Uint16_Box_tag, 1437
ppl_Pointset_Powerset_Uint16_Box_is_empty
ppl_Pointset_Powerset_Uint16_Box_tag, 1435
ppl_Pointset_Powerset_Uint16_Box_is_topologically_closed
ppl_Pointset_Powerset_Uint16_Box_tag, 1436
ppl_Pointset_Powerset_Uint16_Box_is_universe
ppl_Pointset_Powerset_Uint16_Box_tag, 1436
ppl_Pointset_Powerset_Uint16_Box_iterator_begin
ppl_Pointset_Powerset_Uint16_Box_iterator_tag, 1429
ppl_Pointset_Powerset_Uint16_Box_iterator_decrement
ppl_Pointset_Powerset_Uint16_Box_iterator_tag, 1430
ppl_Pointset_Powerset_Uint16_Box_iterator_dereference
ppl_Pointset_Powerset_Uint16_Box_iterator_tag, 1430
ppl_Pointset_Powerset_Uint16_Box_iterator_end
ppl_Pointset_Powerset_Uint16_Box_iterator_tag, 1429
ppl_Pointset_Powerset_Uint16_Box_iterator_equal_test
ppl_Pointset_Powerset_Uint16_Box_iterator_tag, 1429
ppl_Pointset_Powerset_Uint16_Box_iterator_increment
ppl_Pointset_Powerset_Uint16_Box_iterator_tag, 1430
ppl_Pointset_Powerset_Uint16_Box_iterator_tag, 1428
ppl_delete_Pointset_Powerset_Uint16_Box_iterator, 1430
ppl_new_Pointset_Powerset_Uint16_Box_iterator, 1429
ppl_new_Pointset_Powerset_Uint16_Box_iterator_from_iterator, 1429
ppl_Pointset_Powerset_Uint16_Box_iterator_begin, 1429
ppl_Pointset_Powerset_Uint16_Box_iterator_decrement, 1430
ppl_Pointset_Powerset_Uint16_Box_iterator_dereference, 1430
ppl_Pointset_Powerset_Uint16_Box_iterator_end, 1429
ppl_Pointset_Powerset_Uint16_Box_iterator_equal_test, 1429
ppl_Pointset_Powerset_Uint16_Box_iterator_increment, 1430
ppl_Pointset_Powerset_Uint16_Box_map_space_dimensions
ppl_Pointset_Powerset_Uint16_Box_tag, 1442
ppl_Pointset_Powerset_Uint16_Box_maximize
ppl_Pointset_Powerset_Uint16_Box_tag, 1437
ppl_Pointset_Powerset_Uint16_Box_maximize_with_point
ppl_Pointset_Powerset_Uint16_Box_tag, 1437
ppl_Pointset_Powerset_Uint16_Box_minimize
ppl_Pointset_Powerset_Uint16_Box_tag, 1437
ppl_Pointset_Powerset_Uint16_Box_minimize_with_point
ppl_Pointset_Powerset_Uint16_Box_tag, 1437
ppl_Pointset_Powerset_Uint16_Box_OK
ppl_Pointset_Powerset_Uint16_Box_tag, 1438
ppl_Pointset_Powerset_Uint16_Box_omega_reduce
ppl_Pointset_Powerset_Uint16_Box_tag, 1436

ppl_Pointset_Powerset_Uint16_Box_pairwise_reduce
ppl_Pointset_Powerset_Uint16_Box_tag, 1436
ppl_Pointset_Powerset_Uint16_Box_refine_with_congruence
ppl_Pointset_Powerset_Uint16_Box_tag, 1439
ppl_Pointset_Powerset_Uint16_Box_refine_with_congruences
ppl_Pointset_Powerset_Uint16_Box_tag, 1439
ppl_Pointset_Powerset_Uint16_Box_refine_with_constraint
ppl_Pointset_Powerset_Uint16_Box_tag, 1439
ppl_Pointset_Powerset_Uint16_Box_refine_with_constraints
ppl_Pointset_Powerset_Uint16_Box_tag, 1439
ppl_Pointset_Powerset_Uint16_Box_relation_with_Congruence
ppl_Pointset_Powerset_Uint16_Box_tag, 1435
ppl_Pointset_Powerset_Uint16_Box_relation_with_Constraint
ppl_Pointset_Powerset_Uint16_Box_tag, 1435
ppl_Pointset_Powerset_Uint16_Box_relation_with_Generator
ppl_Pointset_Powerset_Uint16_Box_tag, 1435
ppl_Pointset_Powerset_Uint16_Box_remove_higher_space_dimensions
ppl_Pointset_Powerset_Uint16_Box_tag, 1442
ppl_Pointset_Powerset_Uint16_Box_remove_space_dimensions
ppl_Pointset_Powerset_Uint16_Box_tag, 1442
ppl_Pointset_Powerset_Uint16_Box_simplify_using_context_assign
ppl_Pointset_Powerset_Uint16_Box_tag, 1440
ppl_Pointset_Powerset_Uint16_Box_size
ppl_Pointset_Powerset_Uint16_Box_tag, 1443
ppl_Pointset_Powerset_Uint16_Box_space_dimension
ppl_Pointset_Powerset_Uint16_Box_tag, 1435
ppl_Pointset_Powerset_Uint16_Box_strictly_contains_Pointset_Powerset_Uint16_Box
ppl_Pointset_Powerset_Uint16_Box_tag, 1437
ppl_Pointset_Powerset_Uint16_Box_tag, 1430
ppl_delete_Pointset_Powerset_Uint16_Box, 1434
ppl_io_asprint_Pointset_Powerset_Uint16_Box, 1443
ppl_io_fprint_Pointset_Powerset_Uint16_Box, 1443
ppl_io_print_Pointset_Powerset_Uint16_Box, 1443
ppl_new_Pointset_Powerset_Uint16_Box_from_Congruence_System, 1435
ppl_new_Pointset_Powerset_Uint16_Box_from_Constraint_System, 1435
ppl_new_Pointset_Powerset_Uint16_Box_from_Pointset_Powerset_Uint16_Box, 1434
ppl_new_Pointset_Powerset_Uint16_Box_from_space_dimension, 1434
ppl_new_Pointset_Powerset_Uint16_Box_from_Uint16_Box, 1434
ppl_new_Pointset_Powerset_Uint16_Box_from_Uint16_Box_with_complexity, 1434
ppl_Pointset_Powerset_Uint16_Box_add_congruence, 1438
ppl_Pointset_Powerset_Uint16_Box_add_congruences, 1438
ppl_Pointset_Powerset_Uint16_Box_add_constraint, 1438
ppl_Pointset_Powerset_Uint16_Box_add_constraints, 1438
ppl_Pointset_Powerset_Uint16_Box_add_disjunct, 1443
ppl_Pointset_Powerset_Uint16_Box_add_space_dimensions_and_embed, 1441
ppl_Pointset_Powerset_Uint16_Box_add_space_dimensions_and_project, 1442
ppl_Pointset_Powerset_Uint16_Box_affine_dimension, 1435
ppl_Pointset_Powerset_Uint16_Box_affine_image, 1440
ppl_Pointset_Powerset_Uint16_Box_affine_preimage, 1440
ppl_Pointset_Powerset_Uint16_Box_ascii_dump, 1444
ppl_Pointset_Powerset_Uint16_Box_ascii_load, 1444
ppl_Pointset_Powerset_Uint16_Box_bounded_affine_image, 1441
ppl_Pointset_Powerset_Uint16_Box_bounded_affine_preimage, 1441
ppl_Pointset_Powerset_Uint16_Box_bounds_from_above, 1436

ppl_Pointset_Powerset_Uint16_Box_-bounds_from_below, 1437
ppl_Pointset_Powerset_Uint16_Box_-concatenate_assign, 1439
ppl_Pointset_Powerset_Uint16_Box_-constrains, 1440
ppl_Pointset_Powerset_Uint16_Box_-contains_integer_point, 1436
ppl_Pointset_Powerset_Uint16_Box_-contains_Pointset_Powerset_Uint16_-Box, 1437
ppl_Pointset_Powerset_Uint16_Box_-difference_assign, 1439
ppl_Pointset_Powerset_Uint16_Box_drop_-disjunct, 1443
ppl_Pointset_Powerset_Uint16_Box_drop_-disjuncts, 1443
ppl_Pointset_Powerset_Uint16_Box_drop_-some_non_integer_points, 1442
ppl_Pointset_Powerset_Uint16_Box_drop_-some_non_integer_points_2, 1442
ppl_Pointset_Powerset_Uint16_Box_equals_-Pointset_Powerset_Uint16_Box, 1438
ppl_Pointset_Powerset_Uint16_Box_-expand_space_dimension, 1442
ppl_Pointset_Powerset_Uint16_Box_-external_memory_in_bytes, 1443
ppl_Pointset_Powerset_Uint16_Box_fold_-space_dimensions, 1442
ppl_Pointset_Powerset_Uint16_Box_-generalized_affine_image, 1441
ppl_Pointset_Powerset_Uint16_Box_-generalized_affine_image_lhs_rhs, 1441
ppl_Pointset_Powerset_Uint16_Box_-generalized_affine_preimage, 1441
ppl_Pointset_Powerset_Uint16_Box_-generalized_affine_preimage_lhs_rhs, 1441
ppl_Pointset_Powerset_Uint16_Box_-geometrically_covers_Pointset_-Powerset_Uint16_Box, 1438
ppl_Pointset_Powerset_Uint16_Box_-geometrically_equals_Pointset_-Powerset_Uint16_Box, 1438
ppl_Pointset_Powerset_Uint16_Box_-intersection_assign, 1439
ppl_Pointset_Powerset_Uint16_Box_is_-bounded, 1436
ppl_Pointset_Powerset_Uint16_Box_is_-discrete, 1436
ppl_Pointset_Powerset_Uint16_Box_is_-disjoint_from_Pointset_Powerset_-Uint16_Box, 1437
ppl_Pointset_Powerset_Uint16_Box_is_-empty, 1435
ppl_Pointset_Powerset_Uint16_Box_is_-topologically_closed, 1436
ppl_Pointset_Powerset_Uint16_Box_is_-universe, 1436
ppl_Pointset_Powerset_Uint16_Box_map_-space_dimensions, 1442
ppl_Pointset_Powerset_Uint16_Box_-maximize, 1437
ppl_Pointset_Powerset_Uint16_Box_-maximize_with_point, 1437
ppl_Pointset_Powerset_Uint16_Box_-minimize, 1437
ppl_Pointset_Powerset_Uint16_Box_-minimize_with_point, 1437
ppl_Pointset_Powerset_Uint16_Box_OK, 1438
ppl_Pointset_Powerset_Uint16_Box_omega_-reduce, 1436
ppl_Pointset_Powerset_Uint16_Box_-pairwise_reduce, 1436
ppl_Pointset_Powerset_Uint16_Box_refine_-with_congruence, 1439
ppl_Pointset_Powerset_Uint16_Box_refine_-with_congruences, 1439
ppl_Pointset_Powerset_Uint16_Box_refine_-with_constraint, 1439
ppl_Pointset_Powerset_Uint16_Box_refine_-with_constraints, 1439
ppl_Pointset_Powerset_Uint16_Box_-relation_with_Congruence, 1435
ppl_Pointset_Powerset_Uint16_Box_-relation_with_Constraint, 1435
ppl_Pointset_Powerset_Uint16_Box_-relation_with_Generator, 1435
ppl_Pointset_Powerset_Uint16_Box_-remove_higher_space_dimensions, 1442
ppl_Pointset_Powerset_Uint16_Box_-remove_space_dimensions, 1442
ppl_Pointset_Powerset_Uint16_Box_-simplify_using_context_assign, 1440
ppl_Pointset_Powerset_Uint16_Box_size, 1443
ppl_Pointset_Powerset_Uint16_Box_space_-dimension, 1435
ppl_Pointset_Powerset_Uint16_Box_strictly_-contains_Pointset_Powerset_Uint16_-Box, 1437
ppl_Pointset_Powerset_Uint16_Box_time_-elapse_assign, 1440
ppl_Pointset_Powerset_Uint16_Box_-topological_closure_assign, 1436

ppl_Pointset_Powerset_Uint16_Box_total_-
memory_in_bytes, 1443
ppl_Pointset_Powerset_Uint16_Box_-
unconstrain_space_dimension, 1440
ppl_Pointset_Powerset_Uint16_Box_-
unconstrain_space_dimensions, 1440
ppl_Pointset_Powerset_Uint16_Box_upper_-
bound_assign, 1439
ppl_Pointset_Powerset_Uint16_Box_upper_-
bound_assign_if_exact, 1440
ppl_Pointset_Powerset_Uint16_Box_time_elapse_-
assign
ppl_Pointset_Powerset_Uint16_Box_tag,
1440
ppl_Pointset_Powerset_Uint16_Box_topological_-
closure_assign
ppl_Pointset_Powerset_Uint16_Box_tag,
1436
ppl_Pointset_Powerset_Uint16_Box_total_-
memory_in_bytes
ppl_Pointset_Powerset_Uint16_Box_tag,
1443
ppl_Pointset_Powerset_Uint16_Box_unconstrain_-
space_dimension
ppl_Pointset_Powerset_Uint16_Box_tag,
1440
ppl_Pointset_Powerset_Uint16_Box_unconstrain_-
space_dimensions
ppl_Pointset_Powerset_Uint16_Box_tag,
1440
ppl_Pointset_Powerset_Uint16_Box_upper_-
bound_assign
ppl_Pointset_Powerset_Uint16_Box_tag,
1439
ppl_Pointset_Powerset_Uint16_Box_upper_-
bound_assign_if_exact
ppl_Pointset_Powerset_Uint16_Box_tag,
1440
ppl_Pointset_Powerset_Uint32_Box_add_-
congruence
ppl_Pointset_Powerset_Uint32_Box_tag,
1456
ppl_Pointset_Powerset_Uint32_Box_add_-
congruences
ppl_Pointset_Powerset_Uint32_Box_tag,
1456
ppl_Pointset_Powerset_Uint32_Box_add_-
constraint
ppl_Pointset_Powerset_Uint32_Box_tag,
1456
ppl_Pointset_Powerset_Uint32_Box_add_-
constraints
ppl_Pointset_Powerset_Uint32_Box_tag,
1456
ppl_Pointset_Powerset_Uint32_Box_add_disjunct
ppl_Pointset_Powerset_Uint32_Box_tag,
1460
ppl_Pointset_Powerset_Uint32_Box_add_space_-
dimensions_and_embed
ppl_Pointset_Powerset_Uint32_Box_tag,
1459
ppl_Pointset_Powerset_Uint32_Box_add_space_-
dimensions_and_project
ppl_Pointset_Powerset_Uint32_Box_tag,
1459
ppl_Pointset_Powerset_Uint32_Box_affine_-
dimension
ppl_Pointset_Powerset_Uint32_Box_tag,
1452
ppl_Pointset_Powerset_Uint32_Box_affine_image
ppl_Pointset_Powerset_Uint32_Box_tag,
1458
ppl_Pointset_Powerset_Uint32_Box_affine_-
preimage
ppl_Pointset_Powerset_Uint32_Box_tag,
1458
ppl_Pointset_Powerset_Uint32_Box_ascii_dump
ppl_Pointset_Powerset_Uint32_Box_tag,
1461
ppl_Pointset_Powerset_Uint32_Box_ascii_load
ppl_Pointset_Powerset_Uint32_Box_tag,
1461
ppl_Pointset_Powerset_Uint32_Box_bounded_-
affine_image
ppl_Pointset_Powerset_Uint32_Box_tag,
1458
ppl_Pointset_Powerset_Uint32_Box_bounded_-
affine_preimage
ppl_Pointset_Powerset_Uint32_Box_tag,
1458
ppl_Pointset_Powerset_Uint32_Box_bounds_-
from_above
ppl_Pointset_Powerset_Uint32_Box_tag,
1454
ppl_Pointset_Powerset_Uint32_Box_bounds_-
from_below
ppl_Pointset_Powerset_Uint32_Box_tag,
1454
ppl_Pointset_Powerset_Uint32_Box_concatenate_-
assign
ppl_Pointset_Powerset_Uint32_Box_tag,
1457
ppl_Pointset_Powerset_Uint32_Box_const_-
iterator_begin
ppl_Pointset_Powerset_Uint32_Box_const_-
iterator_tag, 1445
ppl_Pointset_Powerset_Uint32_Box_const_-
iterator_decrement

ppl_Pointset_Powerset_Uint32_Box_const_-iterator_tag, 1445
ppl_Pointset_Powerset_Uint32_Box_const_-iterator_dereference
ppl_Pointset_Powerset_Uint32_Box_const_-iterator_tag, 1445
ppl_Pointset_Powerset_Uint32_Box_const_-iterator_end
ppl_Pointset_Powerset_Uint32_Box_const_-iterator_tag, 1445
ppl_Pointset_Powerset_Uint32_Box_const_-iterator_equal_test
ppl_Pointset_Powerset_Uint32_Box_const_-iterator_tag, 1445
ppl_Pointset_Powerset_Uint32_Box_const_-iterator_increment
ppl_Pointset_Powerset_Uint32_Box_const_-iterator_tag, 1445
ppl_Pointset_Powerset_Uint32_Box_const_-iterator_tag, 1444
ppl_delete_Pointset_Powerset_Uint32_Box_-const_iterator, 1446
ppl_new_Pointset_Powerset_Uint32_Box_-const_iterator, 1445
ppl_Pointset_Powerset_Uint32_Box_const_-iterator_begin, 1445
ppl_Pointset_Powerset_Uint32_Box_const_-iterator_decrement, 1445
ppl_Pointset_Powerset_Uint32_Box_const_-iterator_dereference, 1445
ppl_Pointset_Powerset_Uint32_Box_const_-iterator_end, 1445
ppl_Pointset_Powerset_Uint32_Box_const_-iterator_equal_test, 1445
ppl_Pointset_Powerset_Uint32_Box_const_-iterator_increment, 1445
ppl_Pointset_Powerset_Uint32_Box_constrains
ppl_Pointset_Powerset_Uint32_Box_tag, 1457
ppl_Pointset_Powerset_Uint32_Box_contains_-integer_point
ppl_Pointset_Powerset_Uint32_Box_tag, 1453
ppl_Pointset_Powerset_Uint32_Box_contains_-Pointset_Powerset_Uint32_Box
ppl_Pointset_Powerset_Uint32_Box_tag, 1455
ppl_Pointset_Powerset_Uint32_Box_difference_-assign
ppl_Pointset_Powerset_Uint32_Box_tag, 1457
ppl_Pointset_Powerset_Uint32_Box_drop_disjunct
ppl_Pointset_Powerset_Uint32_Box_tag, 1460
ppl_Pointset_Powerset_Uint32_Box_drop_-disjuncts
ppl_Pointset_Powerset_Uint32_Box_tag, 1460
ppl_Pointset_Powerset_Uint32_Box_drop_some_-non_integer_points
ppl_Pointset_Powerset_Uint32_Box_tag, 1460
ppl_Pointset_Powerset_Uint32_Box_drop_some_-non_integer_points_2
ppl_Pointset_Powerset_Uint32_Box_tag, 1460
ppl_Pointset_Powerset_Uint32_Box_equals_-Pointset_Powerset_Uint32_Box
ppl_Pointset_Powerset_Uint32_Box_tag, 1455
ppl_Pointset_Powerset_Uint32_Box_expand_-space_dimension
ppl_Pointset_Powerset_Uint32_Box_tag, 1459
ppl_Pointset_Powerset_Uint32_Box_external_-memory_in_bytes
ppl_Pointset_Powerset_Uint32_Box_tag, 1460
ppl_Pointset_Powerset_Uint32_Box_fold_space_-dimensions
ppl_Pointset_Powerset_Uint32_Box_tag, 1459
ppl_Pointset_Powerset_Uint32_Box_generalized_-affine_image
ppl_Pointset_Powerset_Uint32_Box_tag, 1458
ppl_Pointset_Powerset_Uint32_Box_generalized_-affine_image_lhs_rhs
ppl_Pointset_Powerset_Uint32_Box_tag, 1459
ppl_Pointset_Powerset_Uint32_Box_generalized_-affine_preimage
ppl_Pointset_Powerset_Uint32_Box_tag, 1458
ppl_Pointset_Powerset_Uint32_Box_generalized_-affine_preimage_lhs_rhs
ppl_Pointset_Powerset_Uint32_Box_tag, 1459
ppl_Pointset_Powerset_Uint32_Box_-geometrically_covers_Pointset_-Powerset_Uint32_Box
ppl_Pointset_Powerset_Uint32_Box_tag, 1455
ppl_Pointset_Powerset_Uint32_Box_-geometrically_equals_Pointset_-Powerset_Uint32_Box
ppl_Pointset_Powerset_Uint32_Box_tag, 1455

ppl_Pointset_Powerset_Uint32_Box_intersection_assign
ppl_Pointset_Powerset_Uint32_Box_tag, 1457
ppl_Pointset_Powerset_Uint32_Box_is_bounded
ppl_Pointset_Powerset_Uint32_Box_tag, 1453
ppl_Pointset_Powerset_Uint32_Box_is_discrete
ppl_Pointset_Powerset_Uint32_Box_tag, 1453
ppl_Pointset_Powerset_Uint32_Box_is_disjoint_from_Pointset_Powerset_Uint32_Box
ppl_Pointset_Powerset_Uint32_Box_tag, 1455
ppl_Pointset_Powerset_Uint32_Box_is_empty
ppl_Pointset_Powerset_Uint32_Box_tag, 1453
ppl_Pointset_Powerset_Uint32_Box_is_topologically_closed
ppl_Pointset_Powerset_Uint32_Box_tag, 1453
ppl_Pointset_Powerset_Uint32_Box_is_universe
ppl_Pointset_Powerset_Uint32_Box_tag, 1453
ppl_Pointset_Powerset_Uint32_Box_iterator_begin
ppl_Pointset_Powerset_Uint32_Box_iterator_tag, 1447
ppl_Pointset_Powerset_Uint32_Box_iterator_decrement
ppl_Pointset_Powerset_Uint32_Box_iterator_tag, 1447
ppl_Pointset_Powerset_Uint32_Box_iterator_dereference
ppl_Pointset_Powerset_Uint32_Box_iterator_tag, 1447
ppl_Pointset_Powerset_Uint32_Box_iterator_end
ppl_Pointset_Powerset_Uint32_Box_iterator_tag, 1447
ppl_Pointset_Powerset_Uint32_Box_iterator_equal_test
ppl_Pointset_Powerset_Uint32_Box_iterator_tag, 1447
ppl_Pointset_Powerset_Uint32_Box_iterator_increment
ppl_Pointset_Powerset_Uint32_Box_iterator_tag, 1447
ppl_Pointset_Powerset_Uint32_Box_iterator_tag, 1446
ppl_delete_Pointset_Powerset_Uint32_Box_iterator, 1447
ppl_new_Pointset_Powerset_Uint32_Box_iterator, 1447
ppl_new_Pointset_Powerset_Uint32_Box_iterator_from_iterator, 1447
ppl_Pointset_Powerset_Uint32_Box_iterator_begin, 1447
ppl_Pointset_Powerset_Uint32_Box_iterator_decrement, 1447
ppl_Pointset_Powerset_Uint32_Box_iterator_dereference, 1447
ppl_Pointset_Powerset_Uint32_Box_iterator_end, 1447
ppl_Pointset_Powerset_Uint32_Box_iterator_equal_test, 1447
ppl_Pointset_Powerset_Uint32_Box_iterator_increment, 1447
ppl_Pointset_Powerset_Uint32_Box_map_space_dimensions
ppl_Pointset_Powerset_Uint32_Box_tag, 1460
ppl_Pointset_Powerset_Uint32_Box_maximize
ppl_Pointset_Powerset_Uint32_Box_tag, 1454
ppl_Pointset_Powerset_Uint32_Box_maximize_with_point
ppl_Pointset_Powerset_Uint32_Box_tag, 1454
ppl_Pointset_Powerset_Uint32_Box_minimize
ppl_Pointset_Powerset_Uint32_Box_tag, 1454
ppl_Pointset_Powerset_Uint32_Box_minimize_with_point
ppl_Pointset_Powerset_Uint32_Box_tag, 1455
ppl_Pointset_Powerset_Uint32_Box_OK
ppl_Pointset_Powerset_Uint32_Box_tag, 1455
ppl_Pointset_Powerset_Uint32_Box_omega_reduce
ppl_Pointset_Powerset_Uint32_Box_tag, 1454
ppl_Pointset_Powerset_Uint32_Box_pairwise_reduce
ppl_Pointset_Powerset_Uint32_Box_tag, 1454
ppl_Pointset_Powerset_Uint32_Box_refine_with_congruence
ppl_Pointset_Powerset_Uint32_Box_tag, 1456
ppl_Pointset_Powerset_Uint32_Box_refine_with_congruences
ppl_Pointset_Powerset_Uint32_Box_tag, 1456
ppl_Pointset_Powerset_Uint32_Box_refine_with_constraint
ppl_Pointset_Powerset_Uint32_Box_tag, 1456

ppl_Pointset_Powerset_Uint32_Box_refine_with_-constraints ppl_Pointset_Powerset_Uint32_Box_tag, 1456
ppl_Pointset_Powerset_Uint32_Box_relation_-with_Congruence ppl_Pointset_Powerset_Uint32_Box_tag, 1453
ppl_Pointset_Powerset_Uint32_Box_relation_-with_Constraint ppl_Pointset_Powerset_Uint32_Box_tag, 1453
ppl_Pointset_Powerset_Uint32_Box_relation_-with_Generator ppl_Pointset_Powerset_Uint32_Box_tag, 1453
ppl_Pointset_Powerset_Uint32_Box_remove_-higher_space_dimensions ppl_Pointset_Powerset_Uint32_Box_tag, 1459
ppl_Pointset_Powerset_Uint32_Box_remove_-space_dimensions ppl_Pointset_Powerset_Uint32_Box_tag, 1459
ppl_Pointset_Powerset_Uint32_Box_simplify_-using_context_assign ppl_Pointset_Powerset_Uint32_Box_tag, 1457
ppl_Pointset_Powerset_Uint32_Box_size ppl_Pointset_Powerset_Uint32_Box_tag, 1460
ppl_Pointset_Powerset_Uint32_Box_space_-dimension ppl_Pointset_Powerset_Uint32_Box_tag, 1452
ppl_Pointset_Powerset_Uint32_Box_strictly_-contains_Pointset_Powerset_Uint32_Box ppl_Pointset_Powerset_Uint32_Box_tag, 1455
ppl_Pointset_Powerset_Uint32_Box_tag, 1448
ppl_delete_Pointset_Powerset_Uint32_Box, 1451
ppl_io_asprint_Pointset_Powerset_Uint32_-Box, 1461
ppl_io_fprint_Pointset_Powerset_Uint32_-Box, 1461
ppl_io_print_Pointset_Powerset_Uint32_Box, 1461
ppl_new_Pointset_Powerset_Uint32_Box_-from_Congruence_System, 1452
ppl_new_Pointset_Powerset_Uint32_Box_-from_Constraint_System, 1452
ppl_new_Pointset_Powerset_Uint32_Box_-from_Pointset_Powerset_Uint32_Box, 1452
ppl_new_Pointset_Powerset_Uint32_Box_-from_space_dimension, 1451
ppl_new_Pointset_Powerset_Uint32_Box_-from_Uint32_Box, 1452
ppl_new_Pointset_Powerset_Uint32_Box_-from_Uint32_Box_with_complexity, 1452
ppl_Pointset_Powerset_Uint32_Box_add_-congruence, 1456
ppl_Pointset_Powerset_Uint32_Box_add_-congruences, 1456
ppl_Pointset_Powerset_Uint32_Box_add_-constraint, 1456
ppl_Pointset_Powerset_Uint32_Box_add_-constraints, 1456
ppl_Pointset_Powerset_Uint32_Box_add_-disjunct, 1460
ppl_Pointset_Powerset_Uint32_Box_add_-space_dimensions_and_embed, 1459
ppl_Pointset_Powerset_Uint32_Box_add_-space_dimensions_and_project, 1459
ppl_Pointset_Powerset_Uint32_Box_affine_-dimension, 1452
ppl_Pointset_Powerset_Uint32_Box_affine_-image, 1458
ppl_Pointset_Powerset_Uint32_Box_affine_-preimage, 1458
ppl_Pointset_Powerset_Uint32_Box_ascii_-dump, 1461
ppl_Pointset_Powerset_Uint32_Box_ascii_-load, 1461
ppl_Pointset_Powerset_Uint32_Box_-bounded_affine_image, 1458
ppl_Pointset_Powerset_Uint32_Box_-bounded_affine_preimage, 1458
ppl_Pointset_Powerset_Uint32_Box_-bounds_from_above, 1454
ppl_Pointset_Powerset_Uint32_Box_-bounds_from_below, 1454
ppl_Pointset_Powerset_Uint32_Box_-concatenate_assign, 1457
ppl_Pointset_Powerset_Uint32_Box_-constrains, 1457
ppl_Pointset_Powerset_Uint32_Box_-contains_integer_point, 1453
ppl_Pointset_Powerset_Uint32_Box_-contains_Pointset_Powerset_Uint32_-Box, 1455
ppl_Pointset_Powerset_Uint32_Box_-difference_assign, 1457
ppl_Pointset_Powerset_Uint32_Box_drop_-disjunct, 1460
ppl_Pointset_Powerset_Uint32_Box_drop_-

disjuncts, 1460
ppl_Pointset_Powerset_Uint32_Box_drop_-some_non_integer_points, 1460
ppl_Pointset_Powerset_Uint32_Box_drop_-some_non_integer_points_2, 1460
ppl_Pointset_Powerset_Uint32_Box_equals_-Pointset_Powerset_Uint32_Box, 1455
ppl_Pointset_Powerset_Uint32_Box_-expand_space_dimension, 1459
ppl_Pointset_Powerset_Uint32_Box_-external_memory_in_bytes, 1460
ppl_Pointset_Powerset_Uint32_Box_fold_-space_dimensions, 1459
ppl_Pointset_Powerset_Uint32_Box_-generalized_affine_image, 1458
ppl_Pointset_Powerset_Uint32_Box_-generalized_affine_image_lhs_rhs, 1459
ppl_Pointset_Powerset_Uint32_Box_-generalized_affine_preimage, 1458
ppl_Pointset_Powerset_Uint32_Box_-generalized_affine_preimage_lhs_rhs, 1459
ppl_Pointset_Powerset_Uint32_Box_-geometrically_covers_Pointset_-Powerset_Uint32_Box, 1455
ppl_Pointset_Powerset_Uint32_Box_-geometrically_equals_Pointset_-Powerset_Uint32_Box, 1455
ppl_Pointset_Powerset_Uint32_Box_-intersection_assign, 1457
ppl_Pointset_Powerset_Uint32_Box_is_-bounded, 1453
ppl_Pointset_Powerset_Uint32_Box_is_-discrete, 1453
ppl_Pointset_Powerset_Uint32_Box_is_-disjoint_from_Pointset_Powerset_-Uint32_Box, 1455
ppl_Pointset_Powerset_Uint32_Box_is_-empty, 1453
ppl_Pointset_Powerset_Uint32_Box_is_-topologically_closed, 1453
ppl_Pointset_Powerset_Uint32_Box_is_-universe, 1453
ppl_Pointset_Powerset_Uint32_Box_map_-space_dimensions, 1460
ppl_Pointset_Powerset_Uint32_Box_-maximize, 1454
ppl_Pointset_Powerset_Uint32_Box_-maximize_with_point, 1454
ppl_Pointset_Powerset_Uint32_Box_-minimize, 1454
ppl_Pointset_Powerset_Uint32_Box_-minimize_with_point, 1455
ppl_Pointset_Powerset_Uint32_Box_OK, 1455
ppl_Pointset_Powerset_Uint32_Box_omega_-reduce, 1454
ppl_Pointset_Powerset_Uint32_Box_-pairwise_reduce, 1454
ppl_Pointset_Powerset_Uint32_Box_refine_-with_congruence, 1456
ppl_Pointset_Powerset_Uint32_Box_refine_-with_congruences, 1456
ppl_Pointset_Powerset_Uint32_Box_refine_-with_constraint, 1456
ppl_Pointset_Powerset_Uint32_Box_refine_-with_constraints, 1456
ppl_Pointset_Powerset_Uint32_Box_-relation_with_Congruence, 1453
ppl_Pointset_Powerset_Uint32_Box_-relation_with_Constraint, 1453
ppl_Pointset_Powerset_Uint32_Box_-relation_with_Generator, 1453
ppl_Pointset_Powerset_Uint32_Box_-remove_higher_space_dimensions, 1459
ppl_Pointset_Powerset_Uint32_Box_-remove_space_dimensions, 1459
ppl_Pointset_Powerset_Uint32_Box_-simplify_using_context_assign, 1457
ppl_Pointset_Powerset_Uint32_Box_size, 1460
ppl_Pointset_Powerset_Uint32_Box_space_-dimension, 1452
ppl_Pointset_Powerset_Uint32_Box_strictly_-contains_Pointset_Powerset_Uint32_-Box, 1455
ppl_Pointset_Powerset_Uint32_Box_time_-elapse_assign, 1457
ppl_Pointset_Powerset_Uint32_Box_-topological_closure_assign, 1454
ppl_Pointset_Powerset_Uint32_Box_total_-memory_in_bytes, 1460
ppl_Pointset_Powerset_Uint32_Box_-unconstrain_space_dimension, 1458
ppl_Pointset_Powerset_Uint32_Box_-unconstrain_space_dimensions, 1458
ppl_Pointset_Powerset_Uint32_Box_upper_-bound_assign, 1457
ppl_Pointset_Powerset_Uint32_Box_upper_-bound_assign_if_exact, 1457
ppl_Pointset_Powerset_Uint32_Box_time_elapse_-assign
ppl_Pointset_Powerset_Uint32_Box_tag, 1457
ppl_Pointset_Powerset_Uint32_Box_topological_-closure_assign

ppl_Pointset_Powerset_Uint32_Box_tag, 1454
ppl_Pointset_Powerset_Uint32_Box_total_memory_in_bytes
ppl_Pointset_Powerset_Uint32_Box_tag, 1460
ppl_Pointset_Powerset_Uint32_Box_unconstrain_space_dimension
ppl_Pointset_Powerset_Uint32_Box_tag, 1458
ppl_Pointset_Powerset_Uint32_Box_unconstrain_space_dimensions
ppl_Pointset_Powerset_Uint32_Box_tag, 1458
ppl_Pointset_Powerset_Uint32_Box_upper_bound_assign
ppl_Pointset_Powerset_Uint32_Box_tag, 1457
ppl_Pointset_Powerset_Uint32_Box_upper_bound_assign_if_exact
ppl_Pointset_Powerset_Uint32_Box_tag, 1457
ppl_Pointset_Powerset_Uint64_Box_add_congruence
ppl_Pointset_Powerset_Uint64_Box_tag, 1473
ppl_Pointset_Powerset_Uint64_Box_add_congruences
ppl_Pointset_Powerset_Uint64_Box_tag, 1473
ppl_Pointset_Powerset_Uint64_Box_add_constraint
ppl_Pointset_Powerset_Uint64_Box_tag, 1473
ppl_Pointset_Powerset_Uint64_Box_add_constraints
ppl_Pointset_Powerset_Uint64_Box_tag, 1473
ppl_Pointset_Powerset_Uint64_Box_add_disjunct
ppl_Pointset_Powerset_Uint64_Box_tag, 1477
ppl_Pointset_Powerset_Uint64_Box_add_space_dimensions_and_embed
ppl_Pointset_Powerset_Uint64_Box_tag, 1476
ppl_Pointset_Powerset_Uint64_Box_add_space_dimensions_and_project
ppl_Pointset_Powerset_Uint64_Box_tag, 1476
ppl_Pointset_Powerset_Uint64_Box_affine_dimension
ppl_Pointset_Powerset_Uint64_Box_tag, 1470
ppl_Pointset_Powerset_Uint64_Box_affine_image
ppl_Pointset_Powerset_Uint64_Box_tag, 1475
ppl_Pointset_Powerset_Uint64_Box_affine_preimage
ppl_Pointset_Powerset_Uint64_Box_tag, 1475
ppl_Pointset_Powerset_Uint64_Box_ascii_dump
ppl_Pointset_Powerset_Uint64_Box_tag, 1478
ppl_Pointset_Powerset_Uint64_Box_ascii_load
ppl_Pointset_Powerset_Uint64_Box_tag, 1478
ppl_Pointset_Powerset_Uint64_Box_bounded_affine_image
ppl_Pointset_Powerset_Uint64_Box_tag, 1475
ppl_Pointset_Powerset_Uint64_Box_bounded_affine_preimage
ppl_Pointset_Powerset_Uint64_Box_tag, 1475
ppl_Pointset_Powerset_Uint64_Box_bounds_from_above
ppl_Pointset_Powerset_Uint64_Box_tag, 1471
ppl_Pointset_Powerset_Uint64_Box_bounds_from_below
ppl_Pointset_Powerset_Uint64_Box_tag, 1471
ppl_Pointset_Powerset_Uint64_Box_concatenate_assign
ppl_Pointset_Powerset_Uint64_Box_tag, 1474
ppl_Pointset_Powerset_Uint64_Box_const_iterator_begin
ppl_Pointset_Powerset_Uint64_Box_const_iterator_tag, 1462
ppl_Pointset_Powerset_Uint64_Box_const_iterator_decrement
ppl_Pointset_Powerset_Uint64_Box_const_iterator_tag, 1463
ppl_Pointset_Powerset_Uint64_Box_const_iterator_dereference
ppl_Pointset_Powerset_Uint64_Box_const_iterator_tag, 1463
ppl_Pointset_Powerset_Uint64_Box_const_iterator_end
ppl_Pointset_Powerset_Uint64_Box_const_iterator_tag, 1462
ppl_Pointset_Powerset_Uint64_Box_const_iterator_equal_test
ppl_Pointset_Powerset_Uint64_Box_const_iterator_tag, 1462
ppl_Pointset_Powerset_Uint64_Box_const_iterator_increment

ppl_Pointset_Powerset_Uint64_Box_const_-iterator_tag, 1462
ppl_Pointset_Powerset_Uint64_Box_const_-iterator_tag, 1461
ppl_delete_Pointset_Powerset_Uint64_Box_-const_iterator, 1463
ppl_new_Pointset_Powerset_Uint64_Box_-const_iterator, 1462
ppl_Pointset_Powerset_Uint64_Box_const_-iterator_begin, 1462
ppl_Pointset_Powerset_Uint64_Box_const_-iterator_decrement, 1463
ppl_Pointset_Powerset_Uint64_Box_const_-iterator_dereference, 1463
ppl_Pointset_Powerset_Uint64_Box_const_-iterator_end, 1462
ppl_Pointset_Powerset_Uint64_Box_const_-iterator_equal_test, 1462
ppl_Pointset_Powerset_Uint64_Box_const_-iterator_increment, 1462
ppl_Pointset_Powerset_Uint64_Box_constrains
ppl_Pointset_Powerset_Uint64_Box_tag, 1475
ppl_Pointset_Powerset_Uint64_Box_contains_-integer_point
ppl_Pointset_Powerset_Uint64_Box_tag, 1470
ppl_Pointset_Powerset_Uint64_Box_contains_-Pointset_Powerset_Uint64_Box
ppl_Pointset_Powerset_Uint64_Box_tag, 1472
ppl_Pointset_Powerset_Uint64_Box_difference_-assign
ppl_Pointset_Powerset_Uint64_Box_tag, 1474
ppl_Pointset_Powerset_Uint64_Box_drop_disjunct
ppl_Pointset_Powerset_Uint64_Box_tag, 1477
ppl_Pointset_Powerset_Uint64_Box_drop_-disjuncts
ppl_Pointset_Powerset_Uint64_Box_tag, 1478
ppl_Pointset_Powerset_Uint64_Box_drop_some_-non_integer_points
ppl_Pointset_Powerset_Uint64_Box_tag, 1477
ppl_Pointset_Powerset_Uint64_Box_drop_some_-non_integer_points_2
ppl_Pointset_Powerset_Uint64_Box_tag, 1477
ppl_Pointset_Powerset_Uint64_Box_equals_-Pointset_Powerset_Uint64_Box
ppl_Pointset_Powerset_Uint64_Box_tag, 1472
ppl_Pointset_Powerset_Uint64_Box_expand_-space_dimension
ppl_Pointset_Powerset_Uint64_Box_tag, 1476
ppl_Pointset_Powerset_Uint64_Box_external_-memory_in_bytes
ppl_Pointset_Powerset_Uint64_Box_tag, 1477
ppl_Pointset_Powerset_Uint64_Box_fold_space_-dimensions
ppl_Pointset_Powerset_Uint64_Box_tag, 1477
ppl_Pointset_Powerset_Uint64_Box_generalized_-affine_image
ppl_Pointset_Powerset_Uint64_Box_tag, 1475
ppl_Pointset_Powerset_Uint64_Box_generalized_-affine_image_lhs_rhs
ppl_Pointset_Powerset_Uint64_Box_tag, 1476
ppl_Pointset_Powerset_Uint64_Box_generalized_-affine_preimage
ppl_Pointset_Powerset_Uint64_Box_tag, 1476
ppl_Pointset_Powerset_Uint64_Box_generalized_-affine_preimage_lhs_rhs
ppl_Pointset_Powerset_Uint64_Box_tag, 1476
ppl_Pointset_Powerset_Uint64_Box_-geometrically_covers_Pointset_-Powerset_Uint64_Box
ppl_Pointset_Powerset_Uint64_Box_tag, 1472
ppl_Pointset_Powerset_Uint64_Box_-geometrically_equals_Pointset_-Powerset_Uint64_Box
ppl_Pointset_Powerset_Uint64_Box_tag, 1472
ppl_Pointset_Powerset_Uint64_Box_intersection_-assign
ppl_Pointset_Powerset_Uint64_Box_tag, 1474
ppl_Pointset_Powerset_Uint64_Box_is_bounded
ppl_Pointset_Powerset_Uint64_Box_tag, 1470
ppl_Pointset_Powerset_Uint64_Box_is_discrete
ppl_Pointset_Powerset_Uint64_Box_tag, 1471
ppl_Pointset_Powerset_Uint64_Box_is_disjoint_-from_Pointset_Powerset_Uint64_Box
ppl_Pointset_Powerset_Uint64_Box_tag, 1472
ppl_Pointset_Powerset_Uint64_Box_is_empty
ppl_Pointset_Powerset_Uint64_Box_tag,

1470
ppl_Pointset_Powerset_Uint64_Box_is_-topologically_closed ppl_Pointset_Powerset_Uint64_Box_tag, 1471
ppl_Pointset_Powerset_Uint64_Box_is_universe ppl_Pointset_Powerset_Uint64_Box_tag, 1470
ppl_Pointset_Powerset_Uint64_Box_iterator_begin ppl_Pointset_Powerset_Uint64_Box_-iterator_tag, 1464
ppl_Pointset_Powerset_Uint64_Box_iterator_-decrement ppl_Pointset_Powerset_Uint64_Box_-iterator_tag, 1464
ppl_Pointset_Powerset_Uint64_Box_iterator_-dereference ppl_Pointset_Powerset_Uint64_Box_-iterator_tag, 1465
ppl_Pointset_Powerset_Uint64_Box_iterator_end ppl_Pointset_Powerset_Uint64_Box_-iterator_tag, 1464
ppl_Pointset_Powerset_Uint64_Box_iterator_-equal_test ppl_Pointset_Powerset_Uint64_Box_-iterator_tag, 1464
ppl_Pointset_Powerset_Uint64_Box_iterator_-increment ppl_Pointset_Powerset_Uint64_Box_-iterator_tag, 1464
ppl_Pointset_Powerset_Uint64_Box_iterator_tag, 1463
ppl_delete_Pointset_Powerset_Uint64_Box_-iterator, 1465
ppl_new_Pointset_Powerset_Uint64_Box_-iterator, 1464
ppl_new_Pointset_Powerset_Uint64_Box_-iterator_from_iterator, 1464
ppl_Pointset_Powerset_Uint64_Box_-iterator_begin, 1464
ppl_Pointset_Powerset_Uint64_Box_-iterator_decrement, 1464
ppl_Pointset_Powerset_Uint64_Box_-iterator_dereference, 1465
ppl_Pointset_Powerset_Uint64_Box_-iterator_end, 1464
ppl_Pointset_Powerset_Uint64_Box_-iterator_equal_test, 1464
ppl_Pointset_Powerset_Uint64_Box_-iterator_increment, 1464
ppl_Pointset_Powerset_Uint64_Box_map_space_-dimensions ppl_Pointset_Powerset_Uint64_Box_tag, 1477
ppl_Pointset_Powerset_Uint64_Box_maximize ppl_Pointset_Powerset_Uint64_Box_tag, 1471
ppl_Pointset_Powerset_Uint64_Box_maximize_-with_point ppl_Pointset_Powerset_Uint64_Box_tag, 1472
ppl_Pointset_Powerset_Uint64_Box_minimize ppl_Pointset_Powerset_Uint64_Box_tag, 1471
ppl_Pointset_Powerset_Uint64_Box_minimize_-with_point ppl_Pointset_Powerset_Uint64_Box_tag, 1472
ppl_Pointset_Powerset_Uint64_Box_OK ppl_Pointset_Powerset_Uint64_Box_tag, 1473
ppl_Pointset_Powerset_Uint64_Box_omega_-reduce ppl_Pointset_Powerset_Uint64_Box_tag, 1471
ppl_Pointset_Powerset_Uint64_Box_pairwise_-reduce ppl_Pointset_Powerset_Uint64_Box_tag, 1471
ppl_Pointset_Powerset_Uint64_Box_refine_with_-congruence ppl_Pointset_Powerset_Uint64_Box_tag, 1473
ppl_Pointset_Powerset_Uint64_Box_refine_with_-congruences ppl_Pointset_Powerset_Uint64_Box_tag, 1474
ppl_Pointset_Powerset_Uint64_Box_refine_with_-constraint ppl_Pointset_Powerset_Uint64_Box_tag, 1473
ppl_Pointset_Powerset_Uint64_Box_refine_with_-constraints ppl_Pointset_Powerset_Uint64_Box_tag, 1473
ppl_Pointset_Powerset_Uint64_Box_relation_-with_Congruence ppl_Pointset_Powerset_Uint64_Box_tag, 1470
ppl_Pointset_Powerset_Uint64_Box_relation_-with_Constraint ppl_Pointset_Powerset_Uint64_Box_tag, 1470
ppl_Pointset_Powerset_Uint64_Box_relation_-with_Generator ppl_Pointset_Powerset_Uint64_Box_tag, 1470

ppl_Pointset_Powerset_Uint64_Box_remove_-higher_space_dimensions
ppl_Pointset_Powerset_Uint64_Box_tag, 1476
ppl_Pointset_Powerset_Uint64_Box_remove_-space_dimensions
ppl_Pointset_Powerset_Uint64_Box_tag, 1476
ppl_Pointset_Powerset_Uint64_Box_simplify_-using_context_assign
ppl_Pointset_Powerset_Uint64_Box_tag, 1474
ppl_Pointset_Powerset_Uint64_Box_size
ppl_Pointset_Powerset_Uint64_Box_tag, 1477
ppl_Pointset_Powerset_Uint64_Box_space_-dimension
ppl_Pointset_Powerset_Uint64_Box_tag, 1469
ppl_Pointset_Powerset_Uint64_Box_strictly_-contains_Pointset_Powerset_Uint64_Box
ppl_Pointset_Powerset_Uint64_Box_tag, 1472
ppl_Pointset_Powerset_Uint64_Box_tag, 1465
ppl_delete_Pointset_Powerset_Uint64_Box, 1469
ppl_io_asprint_Pointset_Powerset_Uint64_-Box, 1478
ppl_io_fprint_Pointset_Powerset_Uint64_-Box, 1478
ppl_io_print_Pointset_Powerset_Uint64_Box, 1478
ppl_new_Pointset_Powerset_Uint64_Box_-from_Congruence_System, 1469
ppl_new_Pointset_Powerset_Uint64_Box_-from_Constraint_System, 1469
ppl_new_Pointset_Powerset_Uint64_Box_-from_Pointset_Powerset_Uint64_Box, 1469
ppl_new_Pointset_Powerset_Uint64_Box_-from_space_dimension, 1469
ppl_new_Pointset_Powerset_Uint64_Box_-from_Uint64_Box, 1469
ppl_new_Pointset_Powerset_Uint64_Box_-from_Uint64_Box_with_complexity, 1469
ppl_Pointset_Powerset_Uint64_Box_add_-congruence, 1473
ppl_Pointset_Powerset_Uint64_Box_add_-congruences, 1473
ppl_Pointset_Powerset_Uint64_Box_add_-constraint, 1473
ppl_Pointset_Powerset_Uint64_Box_add_-constraints, 1473
ppl_Pointset_Powerset_Uint64_Box_add_-disjunct, 1477
ppl_Pointset_Powerset_Uint64_Box_add_-space_dimensions_and_embed, 1476
ppl_Pointset_Powerset_Uint64_Box_add_-space_dimensions_and_project, 1476
ppl_Pointset_Powerset_Uint64_Box_affine_-dimension, 1470
ppl_Pointset_Powerset_Uint64_Box_affine_-image, 1475
ppl_Pointset_Powerset_Uint64_Box_affine_-preimage, 1475
ppl_Pointset_Powerset_Uint64_Box_ascii_-dump, 1478
ppl_Pointset_Powerset_Uint64_Box_ascii_-load, 1478
ppl_Pointset_Powerset_Uint64_Box_-bounded_affine_image, 1475
ppl_Pointset_Powerset_Uint64_Box_-bounded_affine_preimage, 1475
ppl_Pointset_Powerset_Uint64_Box_-bounds_from_above, 1471
ppl_Pointset_Powerset_Uint64_Box_-bounds_from_below, 1471
ppl_Pointset_Powerset_Uint64_Box_-concatenate_assign, 1474
ppl_Pointset_Powerset_Uint64_Box_-constrains, 1475
ppl_Pointset_Powerset_Uint64_Box_-contains_integer_point, 1470
ppl_Pointset_Powerset_Uint64_Box_-contains_Pointset_Powerset_Uint64_-Box, 1472
ppl_Pointset_Powerset_Uint64_Box_-difference_assign, 1474
ppl_Pointset_Powerset_Uint64_Box_drop_-disjunct, 1477
ppl_Pointset_Powerset_Uint64_Box_drop_-disjuncts, 1478
ppl_Pointset_Powerset_Uint64_Box_drop_-some_non_integer_points, 1477
ppl_Pointset_Powerset_Uint64_Box_drop_-some_non_integer_points_2, 1477
ppl_Pointset_Powerset_Uint64_Box_equals_-Pointset_Powerset_Uint64_Box, 1472
ppl_Pointset_Powerset_Uint64_Box_-expand_space_dimension, 1476
ppl_Pointset_Powerset_Uint64_Box_-external_memory_in_bytes, 1477
ppl_Pointset_Powerset_Uint64_Box_fold_-space_dimensions, 1477
ppl_Pointset_Powerset_Uint64_Box_-generalized_affine_image, 1475
ppl_Pointset_Powerset_Uint64_Box_-

generalized_affine_image_lhs_rhs, 1476
ppl_Pointset_Powerset_Uint64_Box_-generalized_affine_preimage, 1476
ppl_Pointset_Powerset_Uint64_Box_-generalized_affine_preimage_lhs_rhs, 1476
ppl_Pointset_Powerset_Uint64_Box_-geometrically_covers_Pointset_-Powerset_Uint64_Box, 1472
ppl_Pointset_Powerset_Uint64_Box_-geometrically_equals_Pointset_-Powerset_Uint64_Box, 1472
ppl_Pointset_Powerset_Uint64_Box_-intersection_assign, 1474
ppl_Pointset_Powerset_Uint64_Box_is_-bounded, 1470
ppl_Pointset_Powerset_Uint64_Box_is_-discrete, 1471
ppl_Pointset_Powerset_Uint64_Box_is_-disjoint_from_Pointset_Powerset_-Uint64_Box, 1472
ppl_Pointset_Powerset_Uint64_Box_is_-empty, 1470
ppl_Pointset_Powerset_Uint64_Box_is_-topologically_closed, 1471
ppl_Pointset_Powerset_Uint64_Box_is_-universe, 1470
ppl_Pointset_Powerset_Uint64_Box_map_-space_dimensions, 1477
ppl_Pointset_Powerset_Uint64_Box_-maximize, 1471
ppl_Pointset_Powerset_Uint64_Box_-maximize_with_point, 1472
ppl_Pointset_Powerset_Uint64_Box_-minimize, 1471
ppl_Pointset_Powerset_Uint64_Box_-minimize_with_point, 1472
ppl_Pointset_Powerset_Uint64_Box_OK, 1473
ppl_Pointset_Powerset_Uint64_Box_omega_-reduce, 1471
ppl_Pointset_Powerset_Uint64_Box_-pairwise_reduce, 1471
ppl_Pointset_Powerset_Uint64_Box_refine_-with_congruence, 1473
ppl_Pointset_Powerset_Uint64_Box_refine_-with_congruences, 1474
ppl_Pointset_Powerset_Uint64_Box_refine_-with_constraint, 1473
ppl_Pointset_Powerset_Uint64_Box_refine_-with_constraints, 1473
ppl_Pointset_Powerset_Uint64_Box_-relation_with_Congruence, 1470
ppl_Pointset_Powerset_Uint64_Box_-relation_with_Constraint, 1470
ppl_Pointset_Powerset_Uint64_Box_-relation_with_Generator, 1470
ppl_Pointset_Powerset_Uint64_Box_-remove_higher_space_dimensions, 1476
ppl_Pointset_Powerset_Uint64_Box_-remove_space_dimensions, 1476
ppl_Pointset_Powerset_Uint64_Box_-simplify_using_context_assign, 1474
ppl_Pointset_Powerset_Uint64_Box_size, 1477
ppl_Pointset_Powerset_Uint64_Box_space_-dimension, 1469
ppl_Pointset_Powerset_Uint64_Box_strictly_-contains_Pointset_Powerset_Uint64_-Box, 1472
ppl_Pointset_Powerset_Uint64_Box_time_-elapse_assign, 1474
ppl_Pointset_Powerset_Uint64_Box_-topological_closure_assign, 1471
ppl_Pointset_Powerset_Uint64_Box_total_-memory_in_bytes, 1477
ppl_Pointset_Powerset_Uint64_Box_-unconstrain_space_dimension, 1475
ppl_Pointset_Powerset_Uint64_Box_-unconstrain_space_dimensions, 1475
ppl_Pointset_Powerset_Uint64_Box_upper_-bound_assign, 1474
ppl_Pointset_Powerset_Uint64_Box_upper_-bound_assign_if_exact, 1474
ppl_Pointset_Powerset_Uint64_Box_time_elapse_-assign
ppl_Pointset_Powerset_Uint64_Box_tag, 1474
ppl_Pointset_Powerset_Uint64_Box_topological_-closure_assign
ppl_Pointset_Powerset_Uint64_Box_tag, 1471
ppl_Pointset_Powerset_Uint64_Box_total_-memory_in_bytes
ppl_Pointset_Powerset_Uint64_Box_tag, 1477
ppl_Pointset_Powerset_Uint64_Box_unconstrain_-space_dimension
ppl_Pointset_Powerset_Uint64_Box_tag, 1475
ppl_Pointset_Powerset_Uint64_Box_unconstrain_-space_dimensions
ppl_Pointset_Powerset_Uint64_Box_tag, 1475
ppl_Pointset_Powerset_Uint64_Box_upper_-bound_assign

ppl_Pointset_Powerset_Uint64_Box_tag, 1474
ppl_Pointset_Powerset_Uint64_Box_upper_bound_assign_if_exact
ppl_Pointset_Powerset_Uint64_Box_tag, 1474
ppl_Pointset_Powerset_Uint8_Box_add_congruence
ppl_Pointset_Powerset_Uint8_Box_tag, 1490
ppl_Pointset_Powerset_Uint8_Box_add_congruences
ppl_Pointset_Powerset_Uint8_Box_tag, 1490
ppl_Pointset_Powerset_Uint8_Box_add_constraint
ppl_Pointset_Powerset_Uint8_Box_tag, 1490
ppl_Pointset_Powerset_Uint8_Box_add_constraints
ppl_Pointset_Powerset_Uint8_Box_tag, 1490
ppl_Pointset_Powerset_Uint8_Box_add_disjunct
ppl_Pointset_Powerset_Uint8_Box_tag, 1495
ppl_Pointset_Powerset_Uint8_Box_add_space_dimensions_and_embed
ppl_Pointset_Powerset_Uint8_Box_tag, 1493
ppl_Pointset_Powerset_Uint8_Box_add_space_dimensions_and_project
ppl_Pointset_Powerset_Uint8_Box_tag, 1493
ppl_Pointset_Powerset_Uint8_Box_affine_dimension
ppl_Pointset_Powerset_Uint8_Box_tag, 1487
ppl_Pointset_Powerset_Uint8_Box_affine_image
ppl_Pointset_Powerset_Uint8_Box_tag, 1492
ppl_Pointset_Powerset_Uint8_Box_affine_preimage
ppl_Pointset_Powerset_Uint8_Box_tag, 1492
ppl_Pointset_Powerset_Uint8_Box_ascii_dump
ppl_Pointset_Powerset_Uint8_Box_tag, 1495
ppl_Pointset_Powerset_Uint8_Box_ascii_load
ppl_Pointset_Powerset_Uint8_Box_tag, 1496
ppl_Pointset_Powerset_Uint8_Box_bounded_affine_image
ppl_Pointset_Powerset_Uint8_Box_tag, 1492
ppl_Pointset_Powerset_Uint8_Box_bounded_affine_preimage
ppl_Pointset_Powerset_Uint8_Box_tag, 1493
ppl_Pointset_Powerset_Uint8_Box_bounds_from_above
ppl_Pointset_Powerset_Uint8_Box_tag, 1488
ppl_Pointset_Powerset_Uint8_Box_bounds_from_below
ppl_Pointset_Powerset_Uint8_Box_tag, 1488
ppl_Pointset_Powerset_Uint8_Box_concatenate_assign
ppl_Pointset_Powerset_Uint8_Box_tag, 1491
ppl_Pointset_Powerset_Uint8_Box_const_iterator_begin
ppl_Pointset_Powerset_Uint8_Box_const_iterator_tag, 1479
ppl_Pointset_Powerset_Uint8_Box_const_iterator_decrement
ppl_Pointset_Powerset_Uint8_Box_const_iterator_tag, 1480
ppl_Pointset_Powerset_Uint8_Box_const_iterator_dereference
ppl_Pointset_Powerset_Uint8_Box_const_iterator_tag, 1480
ppl_Pointset_Powerset_Uint8_Box_const_iterator_end
ppl_Pointset_Powerset_Uint8_Box_const_iterator_tag, 1479
ppl_Pointset_Powerset_Uint8_Box_const_iterator_equal_test
ppl_Pointset_Powerset_Uint8_Box_const_iterator_tag, 1480
ppl_Pointset_Powerset_Uint8_Box_const_iterator_increment
ppl_Pointset_Powerset_Uint8_Box_const_iterator_tag, 1480
ppl_Pointset_Powerset_Uint8_Box_const_iterator_tag, 1478
ppl_delete_Pointset_Powerset_Uint8_Box_const_iterator, 1480
ppl_new_Pointset_Powerset_Uint8_Box_const_iterator, 1479
ppl_Pointset_Powerset_Uint8_Box_const_iterator_begin, 1479
ppl_Pointset_Powerset_Uint8_Box_const_iterator_decrement, 1480
ppl_Pointset_Powerset_Uint8_Box_const_iterator_dereference, 1480
ppl_Pointset_Powerset_Uint8_Box_const_iterator_end, 1479
ppl_Pointset_Powerset_Uint8_Box_const_iterator_equal_test, 1480
ppl_Pointset_Powerset_Uint8_Box_const_iterator_increment, 1480
ppl_Pointset_Powerset_Uint8_Box_constrains
ppl_Pointset_Powerset_Uint8_Box_tag, 1492
ppl_Pointset_Powerset_Uint8_Box_contains_integer_point
ppl_Pointset_Powerset_Uint8_Box_tag, 1488
ppl_Pointset_Powerset_Uint8_Box_contains_Pointset_Powerset_Uint8_Box
ppl_Pointset_Powerset_Uint8_Box_tag, 1489
ppl_Pointset_Powerset_Uint8_Box_difference_assign
ppl_Pointset_Powerset_Uint8_Box_tag, 1491
ppl_Pointset_Powerset_Uint8_Box_drop_disjunct
ppl_Pointset_Powerset_Uint8_Box_tag, 1495
ppl_Pointset_Powerset_Uint8_Box_drop_disjuncts

ppl_Pointset_Powerset_Uint8_Box_tag, 1495
ppl_Pointset_Powerset_Uint8_Box_drop_some_non_integer_points
ppl_Pointset_Powerset_Uint8_Box_tag, 1494
ppl_Pointset_Powerset_Uint8_Box_drop_some_non_integer_points_2
ppl_Pointset_Powerset_Uint8_Box_tag, 1494
ppl_Pointset_Powerset_Uint8_Box_equals_Pointset_Powerset_Uint8_Box
ppl_Pointset_Powerset_Uint8_Box_tag, 1490
ppl_Pointset_Powerset_Uint8_Box_expand_space_dimension
ppl_Pointset_Powerset_Uint8_Box_tag, 1494
ppl_Pointset_Powerset_Uint8_Box_external_memory_in_bytes
ppl_Pointset_Powerset_Uint8_Box_tag, 1494
ppl_Pointset_Powerset_Uint8_Box_fold_space_dimensions
ppl_Pointset_Powerset_Uint8_Box_tag, 1494
ppl_Pointset_Powerset_Uint8_Box_generalized_affine_image
ppl_Pointset_Powerset_Uint8_Box_tag, 1493
ppl_Pointset_Powerset_Uint8_Box_generalized_affine_image_lhs_rhs
ppl_Pointset_Powerset_Uint8_Box_tag, 1493
ppl_Pointset_Powerset_Uint8_Box_generalized_affine_preimage
ppl_Pointset_Powerset_Uint8_Box_tag, 1493
ppl_Pointset_Powerset_Uint8_Box_generalized_affine_preimage_lhs_rhs
ppl_Pointset_Powerset_Uint8_Box_tag, 1493
ppl_Pointset_Powerset_Uint8_Box_geometrically_covers_Pointset_Powerset_Uint8_Box
ppl_Pointset_Powerset_Uint8_Box_tag, 1489
ppl_Pointset_Powerset_Uint8_Box_geometrically_equals_Pointset_Powerset_Uint8_Box
ppl_Pointset_Powerset_Uint8_Box_tag, 1490
ppl_Pointset_Powerset_Uint8_Box_intersection_assign
ppl_Pointset_Powerset_Uint8_Box_tag, 1491
ppl_Pointset_Powerset_Uint8_Box_is_bounded
ppl_Pointset_Powerset_Uint8_Box_tag, 1488
ppl_Pointset_Powerset_Uint8_Box_is_discrete
ppl_Pointset_Powerset_Uint8_Box_tag, 1488
ppl_Pointset_Powerset_Uint8_Box_is_disjoint_from_Pointset_Powerset_Uint8_Box
ppl_Pointset_Powerset_Uint8_Box_tag, 1489
ppl_Pointset_Powerset_Uint8_Box_is_empty
ppl_Pointset_Powerset_Uint8_Box_tag, 1487
ppl_Pointset_Powerset_Uint8_Box_is_topologically_closed
ppl_Pointset_Powerset_Uint8_Box_tag, 1488
ppl_Pointset_Powerset_Uint8_Box_is_universe
ppl_Pointset_Powerset_Uint8_Box_tag, 1487
ppl_Pointset_Powerset_Uint8_Box_iterator_begin
ppl_Pointset_Powerset_Uint8_Box_iterator_tag, 1481
ppl_Pointset_Powerset_Uint8_Box_iterator_decrement
ppl_Pointset_Powerset_Uint8_Box_iterator_tag, 1482
ppl_Pointset_Powerset_Uint8_Box_iterator_dereference
ppl_Pointset_Powerset_Uint8_Box_iterator_tag, 1482
ppl_Pointset_Powerset_Uint8_Box_iterator_end
ppl_Pointset_Powerset_Uint8_Box_iterator_tag, 1481
ppl_Pointset_Powerset_Uint8_Box_iterator_equal_test
ppl_Pointset_Powerset_Uint8_Box_iterator_tag, 1481
ppl_Pointset_Powerset_Uint8_Box_iterator_increment
ppl_Pointset_Powerset_Uint8_Box_iterator_tag, 1482
ppl_Pointset_Powerset_Uint8_Box_iterator_tag, 1480
ppl_delete_Pointset_Powerset_Uint8_Box_iterator, 1482
ppl_new_Pointset_Powerset_Uint8_Box_iterator, 1481
ppl_new_Pointset_Powerset_Uint8_Box_iterator_from_iterator, 1481
ppl_Pointset_Powerset_Uint8_Box_iterator_begin, 1481
ppl_Pointset_Powerset_Uint8_Box_iterator_decrement, 1482
ppl_Pointset_Powerset_Uint8_Box_iterator_dereference, 1482
ppl_Pointset_Powerset_Uint8_Box_iterator_end, 1481
ppl_Pointset_Powerset_Uint8_Box_iterator_equal_test, 1481
ppl_Pointset_Powerset_Uint8_Box_iterator_increment, 1482
ppl_Pointset_Powerset_Uint8_Box_map_space_dimensions
ppl_Pointset_Powerset_Uint8_Box_tag, 1494
ppl_Pointset_Powerset_Uint8_Box_maximize
ppl_Pointset_Powerset_Uint8_Box_tag, 1489
ppl_Pointset_Powerset_Uint8_Box_maximize_with_point
ppl_Pointset_Powerset_Uint8_Box_tag, 1489
ppl_Pointset_Powerset_Uint8_Box_minimize
ppl_Pointset_Powerset_Uint8_Box_tag, 1489

ppl_Pointset_Powerset_Uint8_Box_minimize_-with_point
ppl_Pointset_Powerset_Uint8_Box_tag, 1489
ppl_Pointset_Powerset_Uint8_Box_OK
ppl_Pointset_Powerset_Uint8_Box_tag, 1490
ppl_Pointset_Powerset_Uint8_Box_omega_reduce
ppl_Pointset_Powerset_Uint8_Box_tag, 1488
ppl_Pointset_Powerset_Uint8_Box_pairwise_-reduce
ppl_Pointset_Powerset_Uint8_Box_tag, 1488
ppl_Pointset_Powerset_Uint8_Box_refine_with_-congruence
ppl_Pointset_Powerset_Uint8_Box_tag, 1491
ppl_Pointset_Powerset_Uint8_Box_refine_with_-congruences
ppl_Pointset_Powerset_Uint8_Box_tag, 1491
ppl_Pointset_Powerset_Uint8_Box_refine_with_-constraint
ppl_Pointset_Powerset_Uint8_Box_tag, 1490
ppl_Pointset_Powerset_Uint8_Box_refine_with_-constraints
ppl_Pointset_Powerset_Uint8_Box_tag, 1491
ppl_Pointset_Powerset_Uint8_Box_relation_-with_Congruence
ppl_Pointset_Powerset_Uint8_Box_tag, 1487
ppl_Pointset_Powerset_Uint8_Box_relation_-with_Constraint
ppl_Pointset_Powerset_Uint8_Box_tag, 1487
ppl_Pointset_Powerset_Uint8_Box_relation_-with_Generator
ppl_Pointset_Powerset_Uint8_Box_tag, 1487
ppl_Pointset_Powerset_Uint8_Box_remove_-higher_space_dimensions
ppl_Pointset_Powerset_Uint8_Box_tag, 1494
ppl_Pointset_Powerset_Uint8_Box_remove_-space_dimensions
ppl_Pointset_Powerset_Uint8_Box_tag, 1494
ppl_Pointset_Powerset_Uint8_Box_simplify_-using_context_assign
ppl_Pointset_Powerset_Uint8_Box_tag, 1492
ppl_Pointset_Powerset_Uint8_Box_size
ppl_Pointset_Powerset_Uint8_Box_tag, 1495
ppl_Pointset_Powerset_Uint8_Box_space_-dimension
ppl_Pointset_Powerset_Uint8_Box_tag, 1487
ppl_Pointset_Powerset_Uint8_Box_strictly_-contains_Pointset_Powerset_Uint8_Box
ppl_Pointset_Powerset_Uint8_Box_tag, 1489
ppl_Pointset_Powerset_Uint8_Box_tag, 1482
ppl_delete_Pointset_Powerset_Uint8_Box, 1486
ppl_io_asprint_Pointset_Powerset_Uint8_-Box, 1495
ppl_io_fprint_Pointset_Powerset_Uint8_Box, 1495
ppl_io_print_Pointset_Powerset_Uint8_Box, 1495
ppl_new_Pointset_Powerset_Uint8_Box_-from_Congruence_System, 1487
ppl_new_Pointset_Powerset_Uint8_Box_-from_Constraint_System, 1486
ppl_new_Pointset_Powerset_Uint8_Box_-from_Pointset_Powerset_Uint8_Box, 1486
ppl_new_Pointset_Powerset_Uint8_Box_-from_space_dimension, 1486
ppl_new_Pointset_Powerset_Uint8_Box_-from_Uint8_Box, 1486
ppl_new_Pointset_Powerset_Uint8_Box_-from_Uint8_Box_with_complexity, 1486
ppl_Pointset_Powerset_Uint8_Box_add_-congruence, 1490
ppl_Pointset_Powerset_Uint8_Box_add_-congruences, 1490
ppl_Pointset_Powerset_Uint8_Box_add_-constraint, 1490
ppl_Pointset_Powerset_Uint8_Box_add_-constraints, 1490
ppl_Pointset_Powerset_Uint8_Box_add_-disjunct, 1495
ppl_Pointset_Powerset_Uint8_Box_add_-space_dimensions_and_embed, 1493
ppl_Pointset_Powerset_Uint8_Box_add_-space_dimensions_and_project, 1493
ppl_Pointset_Powerset_Uint8_Box_affine_-dimension, 1487
ppl_Pointset_Powerset_Uint8_Box_affine_-image, 1492
ppl_Pointset_Powerset_Uint8_Box_affine_-preimage, 1492
ppl_Pointset_Powerset_Uint8_Box_ascii_-dump, 1495
ppl_Pointset_Powerset_Uint8_Box_ascii_-load, 1496
ppl_Pointset_Powerset_Uint8_Box_-bounded_affine_image, 1492
ppl_Pointset_Powerset_Uint8_Box_-bounded_affine_preimage, 1493
ppl_Pointset_Powerset_Uint8_Box_bounds_-from_above, 1488
ppl_Pointset_Powerset_Uint8_Box_bounds_-from_below, 1488
ppl_Pointset_Powerset_Uint8_Box_-concatenate_assign, 1491
ppl_Pointset_Powerset_Uint8_Box_-constrains, 1492

ppl_Pointset_Powerset_Uint8_Box_-
contains_integer_point, 1488
ppl_Pointset_Powerset_Uint8_Box_-
contains_Pointset_Powerset_Uint8_Box,
1489
ppl_Pointset_Powerset_Uint8_Box_-
difference_assign, 1491
ppl_Pointset_Powerset_Uint8_Box_drop_-
disjunct, 1495
ppl_Pointset_Powerset_Uint8_Box_drop_-
disjuncts, 1495
ppl_Pointset_Powerset_Uint8_Box_drop_-
some_non_integer_points, 1494
ppl_Pointset_Powerset_Uint8_Box_drop_-
some_non_integer_points_2, 1494
ppl_Pointset_Powerset_Uint8_Box_equals_-
Pointset_Powerset_Uint8_Box, 1490
ppl_Pointset_Powerset_Uint8_Box_expand_-
space_dimension, 1494
ppl_Pointset_Powerset_Uint8_Box_external_-
memory_in_bytes, 1494
ppl_Pointset_Powerset_Uint8_Box_fold_-
space_dimensions, 1494
ppl_Pointset_Powerset_Uint8_Box_-
generalized_affine_image, 1493
ppl_Pointset_Powerset_Uint8_Box_-
generalized_affine_image_lhs_rhs,
1493
ppl_Pointset_Powerset_Uint8_Box_-
generalized_affine_preimage, 1493
ppl_Pointset_Powerset_Uint8_Box_-
generalized_affine_preimage_lhs_rhs,
1493
ppl_Pointset_Powerset_Uint8_Box_-
geometrically_covers_Pointset_-
Powerset_Uint8_Box, 1489
ppl_Pointset_Powerset_Uint8_Box_-
geometrically_equals_Pointset_-
Powerset_Uint8_Box, 1490
ppl_Pointset_Powerset_Uint8_Box_-
intersection_assign, 1491
ppl_Pointset_Powerset_Uint8_Box_is_-
bounded, 1488
ppl_Pointset_Powerset_Uint8_Box_is_-
discrete, 1488
ppl_Pointset_Powerset_Uint8_Box_is_-
disjoint_from_Pointset_Powerset_-
Uint8_Box, 1489
ppl_Pointset_Powerset_Uint8_Box_is_empty,
1487
ppl_Pointset_Powerset_Uint8_Box_is_-
topologically_closed, 1488
ppl_Pointset_Powerset_Uint8_Box_is_-
universe, 1487
ppl_Pointset_Powerset_Uint8_Box_map_-
space_dimensions, 1494
ppl_Pointset_Powerset_Uint8_Box_-
maximize, 1489
ppl_Pointset_Powerset_Uint8_Box_-
maximize_with_point, 1489
ppl_Pointset_Powerset_Uint8_Box_minimize,
1489
ppl_Pointset_Powerset_Uint8_Box_-
minimize_with_point, 1489
ppl_Pointset_Powerset_Uint8_Box_OK, 1490
ppl_Pointset_Powerset_Uint8_Box_omega_-
reduce, 1488
ppl_Pointset_Powerset_Uint8_Box_-
pairwise_reduce, 1488
ppl_Pointset_Powerset_Uint8_Box_refine_-
with_congruence, 1491
ppl_Pointset_Powerset_Uint8_Box_refine_-
with_congruences, 1491
ppl_Pointset_Powerset_Uint8_Box_refine_-
with_constraint, 1490
ppl_Pointset_Powerset_Uint8_Box_refine_-
with_constraints, 1491
ppl_Pointset_Powerset_Uint8_Box_relation_-
with_Congruence, 1487
ppl_Pointset_Powerset_Uint8_Box_relation_-
with_Constraint, 1487
ppl_Pointset_Powerset_Uint8_Box_relation_-
with_Generator, 1487
ppl_Pointset_Powerset_Uint8_Box_remove_-
higher_space_dimensions, 1494
ppl_Pointset_Powerset_Uint8_Box_remove_-
space_dimensions, 1494
ppl_Pointset_Powerset_Uint8_Box_-
simplify_using_context_assign, 1492
ppl_Pointset_Powerset_Uint8_Box_size, 1495
ppl_Pointset_Powerset_Uint8_Box_space_-
dimension, 1487
ppl_Pointset_Powerset_Uint8_Box_strictly_-
contains_Pointset_Powerset_Uint8_Box,
1489
ppl_Pointset_Powerset_Uint8_Box_time_-
elapse_assign, 1491
ppl_Pointset_Powerset_Uint8_Box_-
topological_closure_assign, 1488
ppl_Pointset_Powerset_Uint8_Box_total_-
memory_in_bytes, 1495
ppl_Pointset_Powerset_Uint8_Box_-
unconstrain_space_dimension, 1492
ppl_Pointset_Powerset_Uint8_Box_-
unconstrain_space_dimensions, 1492
ppl_Pointset_Powerset_Uint8_Box_upper_-
bound_assign, 1491

ppl_Pointset_Powerset_Uint8_Box_upper_-bound_assign_if_exact, 1492
ppl_Pointset_Powerset_Uint8_Box_time_elapse_-assign
ppl_Pointset_Powerset_Uint8_Box_tag, 1491
ppl_Pointset_Powerset_Uint8_Box_topological_-closure_assign
ppl_Pointset_Powerset_Uint8_Box_tag, 1488
ppl_Pointset_Powerset_Uint8_Box_total_-memory_in_bytes
ppl_Pointset_Powerset_Uint8_Box_tag, 1495
ppl_Pointset_Powerset_Uint8_Box_unconstrain_-space_dimension
ppl_Pointset_Powerset_Uint8_Box_tag, 1492
ppl_Pointset_Powerset_Uint8_Box_unconstrain_-space_dimensions
ppl_Pointset_Powerset_Uint8_Box_tag, 1492
ppl_Pointset_Powerset_Uint8_Box_upper_bound_-assign
ppl_Pointset_Powerset_Uint8_Box_tag, 1491
ppl_Pointset_Powerset_Uint8_Box_upper_bound_-assign_if_exact
ppl_Pointset_Powerset_Uint8_Box_tag, 1492
ppl_Pointset_Powerset_Z_Box_add_congruence
ppl_Pointset_Powerset_Z_Box_tag, 1507
ppl_Pointset_Powerset_Z_Box_add_congruences
ppl_Pointset_Powerset_Z_Box_tag, 1507
ppl_Pointset_Powerset_Z_Box_add_constraint
ppl_Pointset_Powerset_Z_Box_tag, 1507
ppl_Pointset_Powerset_Z_Box_add_constraints
ppl_Pointset_Powerset_Z_Box_tag, 1507
ppl_Pointset_Powerset_Z_Box_add_disjunct
ppl_Pointset_Powerset_Z_Box_tag, 1511
ppl_Pointset_Powerset_Z_Box_add_space_-dimensions_and_embed
ppl_Pointset_Powerset_Z_Box_tag, 1510
ppl_Pointset_Powerset_Z_Box_add_space_-dimensions_and_project
ppl_Pointset_Powerset_Z_Box_tag, 1510
ppl_Pointset_Powerset_Z_Box_affine_dimension
ppl_Pointset_Powerset_Z_Box_tag, 1504
ppl_Pointset_Powerset_Z_Box_affine_image
ppl_Pointset_Powerset_Z_Box_tag, 1509
ppl_Pointset_Powerset_Z_Box_affine_preimage
ppl_Pointset_Powerset_Z_Box_tag, 1509
ppl_Pointset_Powerset_Z_Box_ascii_dump
ppl_Pointset_Powerset_Z_Box_tag, 1512
ppl_Pointset_Powerset_Z_Box_ascii_load
ppl_Pointset_Powerset_Z_Box_tag, 1512
ppl_Pointset_Powerset_Z_Box_bounded_affine_-image
ppl_Pointset_Powerset_Z_Box_tag, 1509
ppl_Pointset_Powerset_Z_Box_bounded_affine_-preimage
ppl_Pointset_Powerset_Z_Box_tag, 1509
ppl_Pointset_Powerset_Z_Box_bounds_from_-above
ppl_Pointset_Powerset_Z_Box_tag, 1505
ppl_Pointset_Powerset_Z_Box_bounds_from_-below
ppl_Pointset_Powerset_Z_Box_tag, 1505
ppl_Pointset_Powerset_Z_Box_concatenate_assign
ppl_Pointset_Powerset_Z_Box_tag, 1508
ppl_Pointset_Powerset_Z_Box_const_iterator_-begin
ppl_Pointset_Powerset_Z_Box_const_-iterator_tag, 1497
ppl_Pointset_Powerset_Z_Box_const_iterator_-decrement
ppl_Pointset_Powerset_Z_Box_const_-iterator_tag, 1497
ppl_Pointset_Powerset_Z_Box_const_iterator_-dereference
ppl_Pointset_Powerset_Z_Box_const_-iterator_tag, 1497
ppl_Pointset_Powerset_Z_Box_const_iterator_end
ppl_Pointset_Powerset_Z_Box_const_-iterator_tag, 1497
ppl_Pointset_Powerset_Z_Box_const_iterator_-equal_test
ppl_Pointset_Powerset_Z_Box_const_-iterator_tag, 1497
ppl_Pointset_Powerset_Z_Box_const_iterator_-increment
ppl_Pointset_Powerset_Z_Box_const_-iterator_tag, 1497
ppl_Pointset_Powerset_Z_Box_const_iterator_tag, 1496
ppl_delete_Pointset_Powerset_Z_Box_-const_iterator, 1497
ppl_new_Pointset_Powerset_Z_Box_const_-iterator, 1497
ppl_new_Pointset_Powerset_Z_Box_const_-iterator_from_const_iterator, 1497
ppl_Pointset_Powerset_Z_Box_const_-iterator_begin, 1497
ppl_Pointset_Powerset_Z_Box_const_-iterator_decrement, 1497
ppl_Pointset_Powerset_Z_Box_const_-iterator_dereference, 1497
ppl_Pointset_Powerset_Z_Box_const_-iterator_end, 1497
ppl_Pointset_Powerset_Z_Box_const_-iterator_equal_test, 1497
ppl_Pointset_Powerset_Z_Box_const_-iterator_increment, 1497
ppl_Pointset_Powerset_Z_Box_constrains
ppl_Pointset_Powerset_Z_Box_tag, 1509

ppl_Pointset_Powerset_Z_Box_contains_integer_-point
ppl_Pointset_Powerset_Z_Box_tag, 1505
ppl_Pointset_Powerset_Z_Box_contains_-Pointset_Powerset_Z_Box
ppl_Pointset_Powerset_Z_Box_tag, 1506
ppl_Pointset_Powerset_Z_Box_difference_assign
ppl_Pointset_Powerset_Z_Box_tag, 1508
ppl_Pointset_Powerset_Z_Box_drop_disjunct
ppl_Pointset_Powerset_Z_Box_tag, 1512
ppl_Pointset_Powerset_Z_Box_drop_disjuncts
ppl_Pointset_Powerset_Z_Box_tag, 1512
ppl_Pointset_Powerset_Z_Box_drop_some_non_-integer_points
ppl_Pointset_Powerset_Z_Box_tag, 1511
ppl_Pointset_Powerset_Z_Box_drop_some_non_-integer_points_2
ppl_Pointset_Powerset_Z_Box_tag, 1511
ppl_Pointset_Powerset_Z_Box_equals_Pointset_-Powerset_Z_Box
ppl_Pointset_Powerset_Z_Box_tag, 1507
ppl_Pointset_Powerset_Z_Box_expand_space_-dimension
ppl_Pointset_Powerset_Z_Box_tag, 1511
ppl_Pointset_Powerset_Z_Box_external_-memory_in_bytes
ppl_Pointset_Powerset_Z_Box_tag, 1511
ppl_Pointset_Powerset_Z_Box_fold_space_-dimensions
ppl_Pointset_Powerset_Z_Box_tag, 1511
ppl_Pointset_Powerset_Z_Box_generalized_-affine_image
ppl_Pointset_Powerset_Z_Box_tag, 1510
ppl_Pointset_Powerset_Z_Box_generalized_-affine_image_lhs_rhs
ppl_Pointset_Powerset_Z_Box_tag, 1510
ppl_Pointset_Powerset_Z_Box_generalized_-affine_preimage
ppl_Pointset_Powerset_Z_Box_tag, 1510
ppl_Pointset_Powerset_Z_Box_generalized_-affine_preimage_lhs_rhs
ppl_Pointset_Powerset_Z_Box_tag, 1510
ppl_Pointset_Powerset_Z_Box_geometrically_-covers_Pointset_Powerset_Z_Box
ppl_Pointset_Powerset_Z_Box_tag, 1506
ppl_Pointset_Powerset_Z_Box_geometrically_-equals_Pointset_Powerset_Z_Box
ppl_Pointset_Powerset_Z_Box_tag, 1507
ppl_Pointset_Powerset_Z_Box_intersection_assign
ppl_Pointset_Powerset_Z_Box_tag, 1508
ppl_Pointset_Powerset_Z_Box_is_bounded
ppl_Pointset_Powerset_Z_Box_tag, 1505
ppl_Pointset_Powerset_Z_Box_is_discrete
ppl_Pointset_Powerset_Z_Box_tag, 1505
ppl_Pointset_Powerset_Z_Box_is_disjoint_from_-Pointset_Powerset_Z_Box
ppl_Pointset_Powerset_Z_Box_tag, 1506
ppl_Pointset_Powerset_Z_Box_is_empty
ppl_Pointset_Powerset_Z_Box_tag, 1504
ppl_Pointset_Powerset_Z_Box_is_topologically_-closed
ppl_Pointset_Powerset_Z_Box_tag, 1505
ppl_Pointset_Powerset_Z_Box_is_universe
ppl_Pointset_Powerset_Z_Box_tag, 1504
ppl_Pointset_Powerset_Z_Box_iterator_begin
ppl_Pointset_Powerset_Z_Box_iterator_tag, 1499
ppl_Pointset_Powerset_Z_Box_iterator_decrement
ppl_Pointset_Powerset_Z_Box_iterator_tag, 1499
ppl_Pointset_Powerset_Z_Box_iterator_-dereference
ppl_Pointset_Powerset_Z_Box_iterator_tag, 1499
ppl_Pointset_Powerset_Z_Box_iterator_end
ppl_Pointset_Powerset_Z_Box_iterator_tag, 1499
ppl_Pointset_Powerset_Z_Box_iterator_equal_test
ppl_Pointset_Powerset_Z_Box_iterator_tag, 1499
ppl_Pointset_Powerset_Z_Box_iterator_increment
ppl_Pointset_Powerset_Z_Box_iterator_tag, 1499
ppl_Pointset_Powerset_Z_Box_iterator_tag, 1498
ppl_delete_Pointset_Powerset_Z_Box_-iterator, 1499
ppl_new_Pointset_Powerset_Z_Box_iterator, 1498
ppl_new_Pointset_Powerset_Z_Box_-iterator_from_iterator, 1498
ppl_Pointset_Powerset_Z_Box_iterator_-begin, 1499
ppl_Pointset_Powerset_Z_Box_iterator_-decrement, 1499
ppl_Pointset_Powerset_Z_Box_iterator_-dereference, 1499
ppl_Pointset_Powerset_Z_Box_iterator_end, 1499
ppl_Pointset_Powerset_Z_Box_iterator_-equal_test, 1499
ppl_Pointset_Powerset_Z_Box_iterator_-increment, 1499
ppl_Pointset_Powerset_Z_Box_map_space_-dimensions
ppl_Pointset_Powerset_Z_Box_tag, 1511
ppl_Pointset_Powerset_Z_Box_maximize
ppl_Pointset_Powerset_Z_Box_tag, 1506

ppl_Pointset_Powerset_Z_Box_maximize_with_-point
ppl_Pointset_Powerset_Z_Box_tag, 1506
ppl_Pointset_Powerset_Z_Box_minimize
ppl_Pointset_Powerset_Z_Box_tag, 1506
ppl_Pointset_Powerset_Z_Box_minimize_with_-point
ppl_Pointset_Powerset_Z_Box_tag, 1506
ppl_Pointset_Powerset_Z_Box_OK
ppl_Pointset_Powerset_Z_Box_tag, 1507
ppl_Pointset_Powerset_Z_Box_omega_reduce
ppl_Pointset_Powerset_Z_Box_tag, 1505
ppl_Pointset_Powerset_Z_Box_pairwise_reduce
ppl_Pointset_Powerset_Z_Box_tag, 1505
ppl_Pointset_Powerset_Z_Box_refine_with_-congruence
ppl_Pointset_Powerset_Z_Box_tag, 1507
ppl_Pointset_Powerset_Z_Box_refine_with_-congruences
ppl_Pointset_Powerset_Z_Box_tag, 1508
ppl_Pointset_Powerset_Z_Box_refine_with_-constraint
ppl_Pointset_Powerset_Z_Box_tag, 1507
ppl_Pointset_Powerset_Z_Box_refine_with_-constraints
ppl_Pointset_Powerset_Z_Box_tag, 1508
ppl_Pointset_Powerset_Z_Box_relation_with_-Congruence
ppl_Pointset_Powerset_Z_Box_tag, 1504
ppl_Pointset_Powerset_Z_Box_relation_with_-Constraint
ppl_Pointset_Powerset_Z_Box_tag, 1504
ppl_Pointset_Powerset_Z_Box_relation_with_-Generator
ppl_Pointset_Powerset_Z_Box_tag, 1504
ppl_Pointset_Powerset_Z_Box_remove_higher_-space_dimensions
ppl_Pointset_Powerset_Z_Box_tag, 1510
ppl_Pointset_Powerset_Z_Box_remove_space_-dimensions
ppl_Pointset_Powerset_Z_Box_tag, 1510
ppl_Pointset_Powerset_Z_Box_simplify_using_-context_assign
ppl_Pointset_Powerset_Z_Box_tag, 1509
ppl_Pointset_Powerset_Z_Box_size
ppl_Pointset_Powerset_Z_Box_tag, 1511
ppl_Pointset_Powerset_Z_Box_space_dimension
ppl_Pointset_Powerset_Z_Box_tag, 1504
ppl_Pointset_Powerset_Z_Box_strictly_contains_-Pointset_Powerset_Z_Box
ppl_Pointset_Powerset_Z_Box_tag, 1506
ppl_Pointset_Powerset_Z_Box_tag, 1500
ppl_delete_Pointset_Powerset_Z_Box, 1503
ppl_io_asprint_Pointset_Powerset_Z_Box, 1512
ppl_io_fprint_Pointset_Powerset_Z_Box, 1512
ppl_io_print_Pointset_Powerset_Z_Box, 1512
ppl_new_Pointset_Powerset_Z_Box_from_-Congruence_System, 1504
ppl_new_Pointset_Powerset_Z_Box_from_-Constraint_System, 1504
ppl_new_Pointset_Powerset_Z_Box_from_-Pointset_Powerset_Z_Box, 1503
ppl_new_Pointset_Powerset_Z_Box_from_-Pointset_Powerset_Z_Box_with_-complexity, 1503
ppl_new_Pointset_Powerset_Z_Box_from_-space_dimension, 1503
ppl_new_Pointset_Powerset_Z_Box_from_-Z_Box, 1503
ppl_new_Pointset_Powerset_Z_Box_from_-Z_Box_with_complexity, 1503
ppl_Pointset_Powerset_Z_Box_add_-congruence, 1507
ppl_Pointset_Powerset_Z_Box_add_-congruences, 1507
ppl_Pointset_Powerset_Z_Box_add_-constraint, 1507
ppl_Pointset_Powerset_Z_Box_add_-constraints, 1507
ppl_Pointset_Powerset_Z_Box_add_disjunct, 1511
ppl_Pointset_Powerset_Z_Box_add_space_-dimensions_and_embed, 1510
ppl_Pointset_Powerset_Z_Box_add_space_-dimensions_and_project, 1510
ppl_Pointset_Powerset_Z_Box_affine_-dimension, 1504
ppl_Pointset_Powerset_Z_Box_affine_image, 1509
ppl_Pointset_Powerset_Z_Box_affine_-preimage, 1509
ppl_Pointset_Powerset_Z_Box_ascii_dump, 1512
ppl_Pointset_Powerset_Z_Box_ascii_load, 1512
ppl_Pointset_Powerset_Z_Box_bounded_-affine_image, 1509
ppl_Pointset_Powerset_Z_Box_bounded_-affine_preimage, 1509
ppl_Pointset_Powerset_Z_Box_bounds_-from_above, 1505
ppl_Pointset_Powerset_Z_Box_bounds_-from_below, 1505
ppl_Pointset_Powerset_Z_Box_concatenate_-assign, 1508

ppl_Pointset_Powerset_Z_Box_constrains, 1509
ppl_Pointset_Powerset_Z_Box_contains_integer_point, 1505
ppl_Pointset_Powerset_Z_Box_contains_Pointset_Powerset_Z_Box, 1506
ppl_Pointset_Powerset_Z_Box_difference_assign, 1508
ppl_Pointset_Powerset_Z_Box_drop_disjunct, 1512
ppl_Pointset_Powerset_Z_Box_drop_disjuncts, 1512
ppl_Pointset_Powerset_Z_Box_drop_some_non_integer_points, 1511
ppl_Pointset_Powerset_Z_Box_drop_some_non_integer_points_2, 1511
ppl_Pointset_Powerset_Z_Box_equals_Pointset_Powerset_Z_Box, 1507
ppl_Pointset_Powerset_Z_Box_expand_space_dimension, 1511
ppl_Pointset_Powerset_Z_Box_external_memory_in_bytes, 1511
ppl_Pointset_Powerset_Z_Box_fold_space_dimensions, 1511
ppl_Pointset_Powerset_Z_Box_generalized_affine_image, 1510
ppl_Pointset_Powerset_Z_Box_generalized_affine_image_lhs_rhs, 1510
ppl_Pointset_Powerset_Z_Box_generalized_affine_preimage, 1510
ppl_Pointset_Powerset_Z_Box_generalized_affine_preimage_lhs_rhs, 1510
ppl_Pointset_Powerset_Z_Box_geometrically_covers_Pointset_Powerset_Z_Box, 1506
ppl_Pointset_Powerset_Z_Box_geometrically_equals_Pointset_Powerset_Z_Box, 1507
ppl_Pointset_Powerset_Z_Box_intersection_assign, 1508
ppl_Pointset_Powerset_Z_Box_is_bounded, 1505
ppl_Pointset_Powerset_Z_Box_is_discrete, 1505
ppl_Pointset_Powerset_Z_Box_is_disjoint_from_Pointset_Powerset_Z_Box, 1506
ppl_Pointset_Powerset_Z_Box_is_empty, 1504
ppl_Pointset_Powerset_Z_Box_is_topologically_closed, 1505
ppl_Pointset_Powerset_Z_Box_is_universe, 1504
ppl_Pointset_Powerset_Z_Box_map_space_dimensions, 1511
ppl_Pointset_Powerset_Z_Box_maximize, 1506
ppl_Pointset_Powerset_Z_Box_maximize_with_point, 1506
ppl_Pointset_Powerset_Z_Box_minimize, 1506
ppl_Pointset_Powerset_Z_Box_minimize_with_point, 1506
ppl_Pointset_Powerset_Z_Box_OK, 1507
ppl_Pointset_Powerset_Z_Box_omega_reduce, 1505
ppl_Pointset_Powerset_Z_Box_pairwise_reduce, 1505
ppl_Pointset_Powerset_Z_Box_refine_with_congruence, 1507
ppl_Pointset_Powerset_Z_Box_refine_with_congruences, 1508
ppl_Pointset_Powerset_Z_Box_refine_with_constraint, 1507
ppl_Pointset_Powerset_Z_Box_refine_with_constraints, 1508
ppl_Pointset_Powerset_Z_Box_relation_with_Congruence, 1504
ppl_Pointset_Powerset_Z_Box_relation_with_Constraint, 1504
ppl_Pointset_Powerset_Z_Box_relation_with_Generator, 1504
ppl_Pointset_Powerset_Z_Box_remove_higher_space_dimensions, 1510
ppl_Pointset_Powerset_Z_Box_remove_space_dimensions, 1510
ppl_Pointset_Powerset_Z_Box_simplify_using_context_assign, 1509
ppl_Pointset_Powerset_Z_Box_size, 1511
ppl_Pointset_Powerset_Z_Box_space_dimension, 1504
ppl_Pointset_Powerset_Z_Box_strictly_contains_Pointset_Powerset_Z_Box, 1506
ppl_Pointset_Powerset_Z_Box_time_elapse_assign, 1508
ppl_Pointset_Powerset_Z_Box_topological_closure_assign, 1505
ppl_Pointset_Powerset_Z_Box_total_memory_in_bytes, 1511
ppl_Pointset_Powerset_Z_Box_unconstrain_space_dimension, 1509
ppl_Pointset_Powerset_Z_Box_unconstrain_space_dimensions, 1509
ppl_Pointset_Powerset_Z_Box_upper_bound_assign, 1508
ppl_Pointset_Powerset_Z_Box_upper_bound_assign_if_exact, 1508
ppl_Pointset_Powerset_Z_Box_time_elapse_assign

ppl_Pointset_Powerset_Z_Box_tag, 1508
ppl_Pointset_Powerset_Z_Box_topological_-closure_assign
ppl_Pointset_Powerset_Z_Box_tag, 1505
ppl_Pointset_Powerset_Z_Box_total_memory_in_-bytes
ppl_Pointset_Powerset_Z_Box_tag, 1511
ppl_Pointset_Powerset_Z_Box_unconstrain_-space_dimension
ppl_Pointset_Powerset_Z_Box_tag, 1509
ppl_Pointset_Powerset_Z_Box_unconstrain_-space_dimensions
ppl_Pointset_Powerset_Z_Box_tag, 1509
ppl_Pointset_Powerset_Z_Box_upper_bound_-assign
ppl_Pointset_Powerset_Z_Box_tag, 1508
ppl_Pointset_Powerset_Z_Box_upper_bound_-assign_if_exact
ppl_Pointset_Powerset_Z_Box_tag, 1508
ppl_Polyhedron_add_congruence
ppl_Polyhedron_tag, 1537
ppl_Polyhedron_add_congruences
ppl_Polyhedron_tag, 1537
ppl_Polyhedron_add_constraint
ppl_Polyhedron_tag, 1537
ppl_Polyhedron_add_constraints
ppl_Polyhedron_tag, 1537
ppl_Polyhedron_add_generator
ppl_Polyhedron_tag, 1545
ppl_Polyhedron_add_generators
ppl_Polyhedron_tag, 1545
ppl_Polyhedron_add_recycled_congruences
ppl_Polyhedron_tag, 1538
ppl_Polyhedron_add_recycled_constraints
ppl_Polyhedron_tag, 1537
ppl_Polyhedron_add_recycled_generators
ppl_Polyhedron_tag, 1545
ppl_Polyhedron_add_space_dimensions_and_-embed
ppl_Polyhedron_tag, 1542
ppl_Polyhedron_add_space_dimensions_and_-project
ppl_Polyhedron_tag, 1542
ppl_Polyhedron_affine_dimension
ppl_Polyhedron_tag, 1533
ppl_Polyhedron_affine_image
ppl_Polyhedron_tag, 1539
ppl_Polyhedron_affine_preimage
ppl_Polyhedron_tag, 1540
ppl_Polyhedron_ascii_dump
ppl_Polyhedron_tag, 1544
ppl_Polyhedron_ascii_load
ppl_Polyhedron_tag, 1544
ppl_Polyhedron_BHRZ03_widening_assign
ppl_Polyhedron_tag, 1547
ppl_Polyhedron_BHRZ03_widening_assign_-with_tokens
ppl_Polyhedron_tag, 1546
ppl_Polyhedron_bounded_affine_image
ppl_Polyhedron_tag, 1540
ppl_Polyhedron_bounded_affine_preimage
ppl_Polyhedron_tag, 1540
ppl_Polyhedron_bounded_BHRZ03_-extrapolation_assign
ppl_Polyhedron_tag, 1548
ppl_Polyhedron_bounded_BHRZ03_-extrapolation_assign_with_tokens
ppl_Polyhedron_tag, 1548
ppl_Polyhedron_bounded_H79_extrapolation_-assign
ppl_Polyhedron_tag, 1548
ppl_Polyhedron_bounded_H79_extrapolation_-assign_with_tokens
ppl_Polyhedron_tag, 1548
ppl_Polyhedron_bounds_from_above
ppl_Polyhedron_tag, 1535
ppl_Polyhedron_bounds_from_below
ppl_Polyhedron_tag, 1535
ppl_Polyhedron_concatenate_assign
ppl_Polyhedron_tag, 1542
ppl_Polyhedron_constrains
ppl_Polyhedron_tag, 1535
ppl_Polyhedron_contains_integer_point
ppl_Polyhedron_tag, 1534
ppl_Polyhedron_contains_Polyhedron
ppl_Polyhedron_tag, 1536
ppl_Polyhedron_difference_assign
ppl_Polyhedron_tag, 1539
ppl_Polyhedron_drop_some_non_integer_points
ppl_Polyhedron_tag, 1564
ppl_Polyhedron_drop_some_non_integer_points_2
ppl_Polyhedron_tag, 1564
ppl_Polyhedron_equals_Polyhedron
ppl_Polyhedron_tag, 1536
ppl_Polyhedron_expand_space_dimension
ppl_Polyhedron_tag, 1543
ppl_Polyhedron_external_memory_in_bytes
ppl_Polyhedron_tag, 1537
ppl_Polyhedron_fold_space_dimensions
ppl_Polyhedron_tag, 1543
ppl_Polyhedron_frequency
ppl_Polyhedron_tag, 1564
ppl_Polyhedron_generalized_affine_image
ppl_Polyhedron_tag, 1541
ppl_Polyhedron_generalized_affine_image_lhs_rhs
ppl_Polyhedron_tag, 1541
ppl_Polyhedron_generalized_affine_preimage
ppl_Polyhedron_tag, 1541

ppl_Polyhedron_generalized_affine_preimage_-
lhs_rhs
ppl_Polyhedron_tag, 1542
ppl_Polyhedron_get_congruences
ppl_Polyhedron_tag, 1533
ppl_Polyhedron_get_constraints
ppl_Polyhedron_tag, 1533
ppl_Polyhedron_get_generators
ppl_Polyhedron_tag, 1545
ppl_Polyhedron_get_minimized_congruences
ppl_Polyhedron_tag, 1534
ppl_Polyhedron_get_minimized_constraints
ppl_Polyhedron_tag, 1534
ppl_Polyhedron_get_minimized_generators
ppl_Polyhedron_tag, 1545
ppl_Polyhedron_H79_widening_assign
ppl_Polyhedron_tag, 1547
ppl_Polyhedron_H79_widening_assign_with_-
tokens
ppl_Polyhedron_tag, 1547
ppl_Polyhedron_intersection_assign
ppl_Polyhedron_tag, 1538
ppl_Polyhedron_is_bounded
ppl_Polyhedron_tag, 1534
ppl_Polyhedron_is_discrete
ppl_Polyhedron_tag, 1534
ppl_Polyhedron_is_disjoint_from_Polyhedron
ppl_Polyhedron_tag, 1536
ppl_Polyhedron_is_empty
ppl_Polyhedron_tag, 1534
ppl_Polyhedron_is_topologically_closed
ppl_Polyhedron_tag, 1534
ppl_Polyhedron_is_universe
ppl_Polyhedron_tag, 1534
ppl_Polyhedron_limited_BHRZ03_extrapolation_-
assign
ppl_Polyhedron_tag, 1547
ppl_Polyhedron_limited_BHRZ03_extrapolation_-
assign_with_tokens
ppl_Polyhedron_tag, 1547
ppl_Polyhedron_limited_H79_extrapolation_assign
ppl_Polyhedron_tag, 1548
ppl_Polyhedron_limited_H79_extrapolation_-
assign_with_tokens
ppl_Polyhedron_tag, 1547
ppl_Polyhedron_linear_partition
ppl_Polyhedron_tag, 1564
ppl_Polyhedron_map_space_dimensions
ppl_Polyhedron_tag, 1543
ppl_Polyhedron_maximize
ppl_Polyhedron_tag, 1535
ppl_Polyhedron_maximize_with_point
ppl_Polyhedron_tag, 1535
ppl_Polyhedron_minimize
ppl_Polyhedron_tag, 1563
ppl_Polyhedron_minimize_with_point
ppl_Polyhedron_tag, 1535
ppl_Polyhedron_OK
ppl_Polyhedron_tag, 1536
ppl_Polyhedron_poly_difference_assign
ppl_Polyhedron_tag, 1546
ppl_Polyhedron_poly_hull_assign
ppl_Polyhedron_tag, 1545
ppl_Polyhedron_poly_hull_assign_if_exact
ppl_Polyhedron_tag, 1564
ppl_Polyhedron_refine_with_congruence
ppl_Polyhedron_tag, 1538
ppl_Polyhedron_refine_with_congruences
ppl_Polyhedron_tag, 1538
ppl_Polyhedron_refine_with_constraint
ppl_Polyhedron_tag, 1538
ppl_Polyhedron_refine_with_constraints
ppl_Polyhedron_tag, 1538
ppl_Polyhedron_relation_with_Congruence
ppl_Polyhedron_tag, 1563
ppl_Polyhedron_relation_with_Constraint
ppl_Polyhedron_tag, 1533
ppl_Polyhedron_relation_with_Generator
ppl_Polyhedron_tag, 1533
ppl_Polyhedron_remove_higher_space_dimensions
ppl_Polyhedron_tag, 1542
ppl_Polyhedron_remove_space_dimensions
ppl_Polyhedron_tag, 1542
ppl_Polyhedron_simplify_using_context_assign
ppl_Polyhedron_tag, 1539
ppl_Polyhedron_space_dimension
ppl_Polyhedron_tag, 1533
ppl_Polyhedron_strictly_contains_Polyhedron
ppl_Polyhedron_tag, 1536
ppl_Polyhedron_tag, 1513
ppl_all_affine_ranking_functions_MS_C_-
Polyhedron, 1565
ppl_all_affine_ranking_functions_MS_C_-
Polyhedron_2, 1567
ppl_all_affine_ranking_functions_MS_NNC_-
Polyhedron, 1566
ppl_all_affine_ranking_functions_MS_NNC_-
Polyhedron_2, 1567
ppl_all_affine_ranking_functions_PR_C_-
Polyhedron, 1566
ppl_all_affine_ranking_functions_PR_C_-
Polyhedron_2, 1567
ppl_all_affine_ranking_functions_PR_NNC_-
Polyhedron, 1566
ppl_all_affine_ranking_functions_PR_NNC_-
Polyhedron_2, 1567
ppl_assign_C_Polyhedron_from_C_-
Polyhedron, 1530

ppl_assign_NNC_Polyhedron_from_NNC_-
Polyhedron, 1531
ppl_delete_Polyhedron, 1532
ppl_io_asprint_Polyhedron, 1543
ppl_io_fprint_Polyhedron, 1543
ppl_io_print_Polyhedron, 1543
ppl_new_C_Polyhedron_from_BD_Shape_-
double, 1554
ppl_new_C_Polyhedron_from_BD_Shape_-
double_with_complexity, 1562
ppl_new_C_Polyhedron_from_BD_Shape_-
float, 1554
ppl_new_C_Polyhedron_from_BD_Shape_-
float_with_complexity, 1561
ppl_new_C_Polyhedron_from_BD_Shape_-
int16_t, 1551
ppl_new_C_Polyhedron_from_BD_Shape_-
int16_t_with_complexity, 1558
ppl_new_C_Polyhedron_from_BD_Shape_-
int32_t, 1551
ppl_new_C_Polyhedron_from_BD_Shape_-
int32_t_with_complexity, 1558
ppl_new_C_Polyhedron_from_BD_Shape_-
int64_t, 1551
ppl_new_C_Polyhedron_from_BD_Shape_-
int64_t_with_complexity, 1559
ppl_new_C_Polyhedron_from_BD_Shape_-
int8_t, 1551
ppl_new_C_Polyhedron_from_BD_Shape_-
int8_t_with_complexity, 1558
ppl_new_C_Polyhedron_from_BD_Shape_-
long_double, 1555
ppl_new_C_Polyhedron_from_BD_Shape_-
long_double_with_complexity, 1563
ppl_new_C_Polyhedron_from_BD_Shape_-
mpq_class, 1552
ppl_new_C_Polyhedron_from_BD_Shape_-
mpq_class_with_complexity, 1559
ppl_new_C_Polyhedron_from_BD_Shape_-
mpz_class, 1552
ppl_new_C_Polyhedron_from_BD_Shape_-
mpz_class_with_complexity, 1559
ppl_new_C_Polyhedron_from_C_Polyhedron,
1529
ppl_new_C_Polyhedron_from_C_-
Polyhedron_with_complexity, 1529
ppl_new_C_Polyhedron_from_Congruence_-
System, 1529
ppl_new_C_Polyhedron_from_Constraint_-
System, 1529
ppl_new_C_Polyhedron_from_Double_Box,
1554
ppl_new_C_Polyhedron_from_Double_Box_-
with_complexity, 1562
ppl_new_C_Polyhedron_from_Float_Box,
1554
ppl_new_C_Polyhedron_from_Float_Box_-
with_complexity, 1561
ppl_new_C_Polyhedron_from_Generator_-
System, 1544
ppl_new_C_Polyhedron_from_Grid, 1553
ppl_new_C_Polyhedron_from_Grid_with_-
complexity, 1561
ppl_new_C_Polyhedron_from_Int16_Box,
1549
ppl_new_C_Polyhedron_from_Int16_Box_-
with_complexity, 1556
ppl_new_C_Polyhedron_from_Int32_Box,
1549
ppl_new_C_Polyhedron_from_Int32_Box_-
with_complexity, 1556
ppl_new_C_Polyhedron_from_Int64_Box,
1549
ppl_new_C_Polyhedron_from_Int64_Box_-
with_complexity, 1556
ppl_new_C_Polyhedron_from_Int8_Box,
1549
ppl_new_C_Polyhedron_from_Int8_Box_-
with_complexity, 1556
ppl_new_C_Polyhedron_from_Long_-
Double_Box, 1555
ppl_new_C_Polyhedron_from_Long_-
Double_Box_with_complexity, 1563
ppl_new_C_Polyhedron_from_NNC_-
Polyhedron, 1532
ppl_new_C_Polyhedron_from_NNC_-
Polyhedron_with_complexity, 1532
ppl_new_C_Polyhedron_from_Octagonal_-
Shape_double, 1555
ppl_new_C_Polyhedron_from_Octagonal_-
Shape_double_with_complexity, 1562
ppl_new_C_Polyhedron_from_Octagonal_-
Shape_float, 1554
ppl_new_C_Polyhedron_from_Octagonal_-
Shape_float_with_complexity, 1562
ppl_new_C_Polyhedron_from_Octagonal_-
Shape_int16_t, 1552
ppl_new_C_Polyhedron_from_Octagonal_-
Shape_int16_t_with_complexity, 1560
ppl_new_C_Polyhedron_from_Octagonal_-
Shape_int32_t, 1552
ppl_new_C_Polyhedron_from_Octagonal_-
Shape_int32_t_with_complexity, 1560
ppl_new_C_Polyhedron_from_Octagonal_-
Shape_int64_t, 1553
ppl_new_C_Polyhedron_from_Octagonal_-
Shape_int64_t_with_complexity, 1560

ppl_new_C_Polyhedron_from_Octagonal_-
Shape_int8_t, 1552
ppl_new_C_Polyhedron_from_Octagonal_-
Shape_int8_t_with_complexity, 1559
ppl_new_C_Polyhedron_from_Octagonal_-
Shape_long_double, 1555
ppl_new_C_Polyhedron_from_Octagonal_-
Shape_long_double_with_complexity,
1563
ppl_new_C_Polyhedron_from_Octagonal_-
Shape_mpq_class, 1553
ppl_new_C_Polyhedron_from_Octagonal_-
Shape_mpq_class_with_complexity,
1561
ppl_new_C_Polyhedron_from_Octagonal_-
Shape_mpz_class, 1553
ppl_new_C_Polyhedron_from_Octagonal_-
Shape_mpz_class_with_complexity,
1560
ppl_new_C_Polyhedron_from_Rational_Box,
1550
ppl_new_C_Polyhedron_from_Rational_-
Box_with_complexity, 1558
ppl_new_C_Polyhedron_from_space_-
dimension, 1529
ppl_new_C_Polyhedron_from_Uint16_Box,
1550
ppl_new_C_Polyhedron_from_Uint16_Box_-
with_complexity, 1557
ppl_new_C_Polyhedron_from_Uint32_Box,
1550
ppl_new_C_Polyhedron_from_Uint32_Box_-
with_complexity, 1557
ppl_new_C_Polyhedron_from_Uint64_Box,
1550
ppl_new_C_Polyhedron_from_Uint64_Box_-
with_complexity, 1557
ppl_new_C_Polyhedron_from_Uint8_Box,
1549
ppl_new_C_Polyhedron_from_Uint8_Box_-
with_complexity, 1556
ppl_new_C_Polyhedron_from_Z_Box, 1550
ppl_new_C_Polyhedron_from_Z_Box_with_-
complexity, 1557
ppl_new_C_Polyhedron_recycle_-
Congruence_System, 1530
ppl_new_C_Polyhedron_recycle_Constraint_-
System, 1529
ppl_new_C_Polyhedron_recycle_Generator_-
System, 1544
ppl_new_NNC_Polyhedron_from_BD_-
Shape_double, 1555
ppl_new_NNC_Polyhedron_from_BD_-
Shape_double_with_complexity, 1562
ppl_new_NNC_Polyhedron_from_BD_-
Shape_float, 1554
ppl_new_NNC_Polyhedron_from_BD_-
Shape_float_with_complexity, 1561
ppl_new_NNC_Polyhedron_from_BD_-
Shape_int16_t, 1551
ppl_new_NNC_Polyhedron_from_BD_-
Shape_int16_t_with_complexity, 1558
ppl_new_NNC_Polyhedron_from_BD_-
Shape_int32_t, 1551
ppl_new_NNC_Polyhedron_from_BD_-
Shape_int32_t_with_complexity, 1558
ppl_new_NNC_Polyhedron_from_BD_-
Shape_int64_t, 1551
ppl_new_NNC_Polyhedron_from_BD_-
Shape_int64_t_with_complexity, 1559
ppl_new_NNC_Polyhedron_from_BD_-
Shape_int8_t, 1551
ppl_new_NNC_Polyhedron_from_BD_-
Shape_int8_t_with_complexity, 1558
ppl_new_NNC_Polyhedron_from_BD_-
Shape_long_double, 1555
ppl_new_NNC_Polyhedron_from_BD_-
Shape_long_double_with_complexity,
1563
ppl_new_NNC_Polyhedron_from_BD_-
Shape_mpq_class, 1552
ppl_new_NNC_Polyhedron_from_BD_-
Shape_mpq_class_with_complexity,
1559
ppl_new_NNC_Polyhedron_from_BD_-
Shape_mpz_class, 1552
ppl_new_NNC_Polyhedron_from_BD_-
Shape_mpz_class_with_complexity,
1559
ppl_new_NNC_Polyhedron_from_C_-
Polyhedron, 1532
ppl_new_NNC_Polyhedron_from_C_-
Polyhedron_with_complexity, 1532
ppl_new_NNC_Polyhedron_from_-
Congruence_System, 1531
ppl_new_NNC_Polyhedron_from_-
Constraint_System, 1531
ppl_new_NNC_Polyhedron_from_Double_-
Box, 1554
ppl_new_NNC_Polyhedron_from_Double_-
Box_with_complexity, 1562
ppl_new_NNC_Polyhedron_from_Float_Box,
1554
ppl_new_NNC_Polyhedron_from_Float_-
Box_with_complexity, 1561
ppl_new_NNC_Polyhedron_from_-
Generator_System, 1544
ppl_new_NNC_Polyhedron_from_Grid, 1553

ppl_new_NNC_Polyhedron_from_Grid_-
with_complexity, 1561
ppl_new_NNC_Polyhedron_from_Int16_Box,
1549
ppl_new_NNC_Polyhedron_from_Int16_-
Box_with_complexity, 1556
ppl_new_NNC_Polyhedron_from_Int32_Box,
1549
ppl_new_NNC_Polyhedron_from_Int32_-
Box_with_complexity, 1556
ppl_new_NNC_Polyhedron_from_Int64_Box,
1549
ppl_new_NNC_Polyhedron_from_Int64_-
Box_with_complexity, 1556
ppl_new_NNC_Polyhedron_from_Int8_Box,
1549
ppl_new_NNC_Polyhedron_from_Int8_Box_-
with_complexity, 1556
ppl_new_NNC_Polyhedron_from_Long_-
Double_Box, 1555
ppl_new_NNC_Polyhedron_from_Long_-
Double_Box_with_complexity, 1563
ppl_new_NNC_Polyhedron_from_NNC_-
Polyhedron, 1530
ppl_new_NNC_Polyhedron_from_NNC_-
Polyhedron_with_complexity, 1530
ppl_new_NNC_Polyhedron_from_-
Octagonal_Shape_double, 1555
ppl_new_NNC_Polyhedron_from_-
Octagonal_Shape_double_with_-
complexity, 1562
ppl_new_NNC_Polyhedron_from_-
Octagonal_Shape_float, 1554
ppl_new_NNC_Polyhedron_from_-
Octagonal_Shape_float_with_-
complexity, 1562
ppl_new_NNC_Polyhedron_from_-
Octagonal_Shape_int16_t, 1552
ppl_new_NNC_Polyhedron_from_-
Octagonal_Shape_int16_t_with_-
complexity, 1560
ppl_new_NNC_Polyhedron_from_-
Octagonal_Shape_int32_t, 1553
ppl_new_NNC_Polyhedron_from_-
Octagonal_Shape_int32_t_with_-
complexity, 1560
ppl_new_NNC_Polyhedron_from_-
Octagonal_Shape_int64_t, 1553
ppl_new_NNC_Polyhedron_from_-
Octagonal_Shape_int64_t_with_-
complexity, 1560
ppl_new_NNC_Polyhedron_from_-
Octagonal_Shape_int8_t, 1552
ppl_new_NNC_Polyhedron_from_-
Octagonal_Shape_int8_t_with_-
complexity, 1559
ppl_new_NNC_Polyhedron_from_-
Octagonal_Shape_long_double, 1555
ppl_new_NNC_Polyhedron_from_-
Octagonal_Shape_long_double_with_-
complexity, 1563
ppl_new_NNC_Polyhedron_from_-
Octagonal_Shape_mpq_class, 1553
ppl_new_NNC_Polyhedron_from_-
Octagonal_Shape_mpq_class_with_-
complexity, 1561
ppl_new_NNC_Polyhedron_from_-
Octagonal_Shape_mpz_class, 1553
ppl_new_NNC_Polyhedron_from_-
Octagonal_Shape_mpz_class_with_-
complexity, 1560
ppl_new_NNC_Polyhedron_from_Rational_-
Box, 1551
ppl_new_NNC_Polyhedron_from_Rational_-
Box_with_complexity, 1558
ppl_new_NNC_Polyhedron_from_space_-
dimension, 1530
ppl_new_NNC_Polyhedron_from_Uint16_-
Box, 1550
ppl_new_NNC_Polyhedron_from_Uint16_-
Box_with_complexity, 1557
ppl_new_NNC_Polyhedron_from_Uint32_-
Box, 1550
ppl_new_NNC_Polyhedron_from_Uint32_-
Box_with_complexity, 1557
ppl_new_NNC_Polyhedron_from_Uint64_-
Box, 1550
ppl_new_NNC_Polyhedron_from_Uint64_-
Box_with_complexity, 1557
ppl_new_NNC_Polyhedron_from_Uint8_-
Box, 1549
ppl_new_NNC_Polyhedron_from_Uint8_-
Box_with_complexity, 1557
ppl_new_NNC_Polyhedron_from_Z_Box,
1550
ppl_new_NNC_Polyhedron_from_Z_Box_-
with_complexity, 1557
ppl_new_NNC_Polyhedron_recycle_-
Congruence_System, 1531
ppl_new_NNC_Polyhedron_recycle_-
Constraint_System, 1531
ppl_new_NNC_Polyhedron_recycle_-
Generator_System, 1544
ppl_one_affine_ranking_function_MS_C_-
Polyhedron, 1565
ppl_one_affine_ranking_function_MS_C_-
Polyhedron_2, 1566
ppl_one_affine_ranking_function_MS_-

NNC_Polyhedron, 1565
ppl_one_affine_ranking_function_MS_-NNC_Polyhedron_2, 1567
ppl_one_affine_ranking_function_PR_C_-Polyhedron, 1565
ppl_one_affine_ranking_function_PR_C_-Polyhedron_2, 1566
ppl_one_affine_ranking_function_PR_NNC_-Polyhedron, 1565
ppl_one_affine_ranking_function_PR_NNC_-Polyhedron_2, 1567
ppl_Polyhedron_add_congruence, 1537
ppl_Polyhedron_add_congruences, 1537
ppl_Polyhedron_add_constraint, 1537
ppl_Polyhedron_add_constraints, 1537
ppl_Polyhedron_add_generator, 1545
ppl_Polyhedron_add_generators, 1545
ppl_Polyhedron_add_recycled_congruences, 1538
ppl_Polyhedron_add_recycled_constraints, 1537
ppl_Polyhedron_add_recycled_generators, 1545
ppl_Polyhedron_add_space_dimensions_-and_embed, 1542
ppl_Polyhedron_add_space_dimensions_-and_project, 1542
ppl_Polyhedron_affine_dimension, 1533
ppl_Polyhedron_affine_image, 1539
ppl_Polyhedron_affine_preimage, 1540
ppl_Polyhedron_ascii_dump, 1544
ppl_Polyhedron_ascii_load, 1544
ppl_Polyhedron_BHRZ03_widening_assign, 1547
ppl_Polyhedron_BHRZ03_widening_assign_-with_tokens, 1546
ppl_Polyhedron_bounded_affine_image, 1540
ppl_Polyhedron_bounded_affine_preimage, 1540
ppl_Polyhedron_bounded_BHRZ03_-extrapolation_assign, 1548
ppl_Polyhedron_bounded_BHRZ03_-extrapolation_assign_with_tokens, 1548
ppl_Polyhedron_bounded_H79_-extrapolation_assign, 1548
ppl_Polyhedron_bounded_H79_-extrapolation_assign_with_tokens, 1548
ppl_Polyhedron_bounds_from_above, 1535
ppl_Polyhedron_bounds_from_below, 1535
ppl_Polyhedron_concatenate_assign, 1542
ppl_Polyhedron_constrains, 1535
ppl_Polyhedron_contains_integer_point, 1534
ppl_Polyhedron_contains_Polyhedron, 1536
ppl_Polyhedron_difference_assign, 1539
ppl_Polyhedron_drop_some_non_integer_-points, 1564
ppl_Polyhedron_drop_some_non_integer_-points_2, 1564
ppl_Polyhedron_equals_Polyhedron, 1536
ppl_Polyhedron_expand_space_dimension, 1543
ppl_Polyhedron_external_memory_in_bytes, 1537
ppl_Polyhedron_fold_space_dimensions, 1543
ppl_Polyhedron_frequency, 1564
ppl_Polyhedron_generalized_affine_image, 1541
ppl_Polyhedron_generalized_affine_image_-lhs_rhs, 1541
ppl_Polyhedron_generalized_affine_preimage, 1541
ppl_Polyhedron_generalized_affine_-preimage_lhs_rhs, 1542
ppl_Polyhedron_get_congruences, 1533
ppl_Polyhedron_get_constraints, 1533
ppl_Polyhedron_get_generators, 1545
ppl_Polyhedron_get_minimized_congruences, 1534
ppl_Polyhedron_get_minimized_constraints, 1534
ppl_Polyhedron_get_minimized_generators, 1545
ppl_Polyhedron_H79_widening_assign, 1547
ppl_Polyhedron_H79_widening_assign_-with_tokens, 1547
ppl_Polyhedron_intersection_assign, 1538
ppl_Polyhedron_is_bounded, 1534
ppl_Polyhedron_is_discrete, 1534
ppl_Polyhedron_is_disjoint_from_-Polyhedron, 1536
ppl_Polyhedron_is_empty, 1534
ppl_Polyhedron_is_topologically_closed, 1534
ppl_Polyhedron_is_universe, 1534
ppl_Polyhedron_limited_BHRZ03_-extrapolation_assign, 1547
ppl_Polyhedron_limited_BHRZ03_-extrapolation_assign_with_tokens, 1547
ppl_Polyhedron_limited_H79_extrapolation_-assign, 1548
ppl_Polyhedron_limited_H79_extrapolation_-assign_with_tokens, 1547
ppl_Polyhedron_linear_partition, 1564
ppl_Polyhedron_map_space_dimensions, 1543

ppl_Polyhedron_maximize, 1535
ppl_Polyhedron_maximize_with_point, 1535
ppl_Polyhedron_minimize, 1563
ppl_Polyhedron_minimize_with_point, 1535
ppl_Polyhedron_OK, 1536
ppl_Polyhedron_poly_difference_assign, 1546
ppl_Polyhedron_poly_hull_assign, 1545
ppl_Polyhedron_poly_hull_assign_if_exact, 1564
ppl_Polyhedron_refine_with_congruence, 1538
ppl_Polyhedron_refine_with_congruences, 1538
ppl_Polyhedron_refine_with_constraint, 1538
ppl_Polyhedron_refine_with_constraints, 1538
ppl_Polyhedron_relation_with_Congruence, 1563
ppl_Polyhedron_relation_with_Constraint, 1533
ppl_Polyhedron_relation_with_Generator, 1533
ppl_Polyhedron_remove_higher_space_dimensions, 1542
ppl_Polyhedron_remove_space_dimensions, 1542
ppl_Polyhedron_simplify_using_context_assign, 1539
ppl_Polyhedron_space_dimension, 1533
ppl_Polyhedron_strictly_contains_Polyhedron, 1536
ppl_Polyhedron_time_elapse_assign, 1539
ppl_Polyhedron_topological_closure_assign, 1539
ppl_Polyhedron_total_memory_in_bytes, 1537
ppl_Polyhedron_unconstrain_space_dimension, 1539
ppl_Polyhedron_unconstrain_space_dimensions, 1539
ppl_Polyhedron_upper_bound_assign, 1538
ppl_Polyhedron_upper_bound_assign_if_exact, 1564
ppl_Polyhedron_widening_assign, 1564
ppl_Polyhedron_widening_assign_with_tokens, 1564
ppl_Polyhedron_wrap_assign, 1564
ppl_termination_test_MS_C_Polyhedron, 1565
ppl_termination_test_MS_C_Polyhedron_2, 1566
ppl_termination_test_MS_NNC_Polyhedron, 1565
ppl_termination_test_MS_NNC_Polyhedron_2, 1566
ppl_termination_test_PR_C_Polyhedron, 1565
ppl_termination_test_PR_C_Polyhedron_2, 1566
ppl_termination_test_PR_NNC_Polyhedron, 1565
ppl_termination_test_PR_NNC_Polyhedron_2, 1566
wrap_assign, 1546
ppl_Polyhedron_time_elapse_assign
ppl_Polyhedron_tag, 1539
ppl_Polyhedron_topological_closure_assign
ppl_Polyhedron_tag, 1539
ppl_Polyhedron_total_memory_in_bytes
ppl_Polyhedron_tag, 1537
ppl_Polyhedron_unconstrain_space_dimension
ppl_Polyhedron_tag, 1539
ppl_Polyhedron_unconstrain_space_dimensions
ppl_Polyhedron_tag, 1539
ppl_Polyhedron_upper_bound_assign
ppl_Polyhedron_tag, 1538
ppl_Polyhedron_upper_bound_assign_if_exact
ppl_Polyhedron_tag, 1564
ppl_Polyhedron_widening_assign
ppl_Polyhedron_tag, 1564
ppl_Polyhedron_widening_assign_with_tokens
ppl_Polyhedron_tag, 1564
ppl_Polyhedron_wrap_assign
ppl_Polyhedron_tag, 1564
ppl_Rational_Box_add_congruence
ppl_Rational_Box_tag, 1585
ppl_Rational_Box_add_congruences
ppl_Rational_Box_tag, 1585
ppl_Rational_Box_add_constraint
ppl_Rational_Box_tag, 1585
ppl_Rational_Box_add_constraints
ppl_Rational_Box_tag, 1585
ppl_Rational_Box_add_recycled_congruences
ppl_Rational_Box_tag, 1591
ppl_Rational_Box_add_recycled_constraints
ppl_Rational_Box_tag, 1591
ppl_Rational_Box_add_space_dimensions_and_embed
ppl_Rational_Box_tag, 1588
ppl_Rational_Box_add_space_dimensions_and_project
ppl_Rational_Box_tag, 1588
ppl_Rational_Box_affine_dimension
ppl_Rational_Box_tag, 1582
ppl_Rational_Box_affine_image
ppl_Rational_Box_tag, 1587
ppl_Rational_Box_affine_preimage
ppl_Rational_Box_tag, 1587
ppl_Rational_Box_ascii_dump

ppl_Rational_Box_tag, 1593
ppl_Rational_Box_ascii_load
ppl_Rational_Box_tag, 1593
ppl_Rational_Box_bounded_affine_image
ppl_Rational_Box_tag, 1587
ppl_Rational_Box_bounded_affine_preimage
ppl_Rational_Box_tag, 1587
ppl_Rational_Box_bounds_from_above
ppl_Rational_Box_tag, 1584
ppl_Rational_Box_bounds_from_below
ppl_Rational_Box_tag, 1584
ppl_Rational_Box_CC76_widening_assign
ppl_Rational_Box_tag, 1589
ppl_Rational_Box_CC76_widening_assign_with_tokens
ppl_Rational_Box_tag, 1589
ppl_Rational_Box_concatenate_assign
ppl_Rational_Box_tag, 1586
ppl_Rational_Box_constrains
ppl_Rational_Box_tag, 1587
ppl_Rational_Box_contains_integer_point
ppl_Rational_Box_tag, 1583
ppl_Rational_Box_contains_Rational_Box
ppl_Rational_Box_tag, 1585
ppl_Rational_Box_difference_assign
ppl_Rational_Box_tag, 1586
ppl_Rational_Box_drop_some_non_integer_points
ppl_Rational_Box_tag, 1589
ppl_Rational_Box_drop_some_non_integer_points_2
ppl_Rational_Box_tag, 1589
ppl_Rational_Box_equals_Rational_Box
ppl_Rational_Box_tag, 1585
ppl_Rational_Box_expand_space_dimension
ppl_Rational_Box_tag, 1589
ppl_Rational_Box_external_memory_in_bytes
ppl_Rational_Box_tag, 1589
ppl_Rational_Box_fold_space_dimensions
ppl_Rational_Box_tag, 1589
ppl_Rational_Box_frequency
ppl_Rational_Box_tag, 1584
ppl_Rational_Box_generalized_affine_image
ppl_Rational_Box_tag, 1588
ppl_Rational_Box_generalized_affine_image_lhs_rhs
ppl_Rational_Box_tag, 1588
ppl_Rational_Box_generalized_affine_preimage
ppl_Rational_Box_tag, 1588
ppl_Rational_Box_generalized_affine_preimage_lhs_rhs
ppl_Rational_Box_tag, 1588
ppl_Rational_Box_get_congruences
ppl_Rational_Box_tag, 1583
ppl_Rational_Box_get_constraints
ppl_Rational_Box_tag, 1583
ppl_Rational_Box_get_minimized_congruences
ppl_Rational_Box_tag, 1583
ppl_Rational_Box_get_minimized_constraints
ppl_Rational_Box_tag, 1583
ppl_Rational_Box_intersection_assign
ppl_Rational_Box_tag, 1586
ppl_Rational_Box_is_bounded
ppl_Rational_Box_tag, 1583
ppl_Rational_Box_is_discrete
ppl_Rational_Box_tag, 1584
ppl_Rational_Box_is_disjoint_from_Rational_Box
ppl_Rational_Box_tag, 1585
ppl_Rational_Box_is_empty
ppl_Rational_Box_tag, 1583
ppl_Rational_Box_is_topologically_closed
ppl_Rational_Box_tag, 1583
ppl_Rational_Box_is_universe
ppl_Rational_Box_tag, 1583
ppl_Rational_Box_limited_CC76_extrapolation_assign
ppl_Rational_Box_tag, 1590
ppl_Rational_Box_limited_CC76_extrapolation_assign_with_tokens
ppl_Rational_Box_tag, 1590
ppl_Rational_Box_linear_partition
ppl_Rational_Box_tag, 1590
ppl_Rational_Box_map_space_dimensions
ppl_Rational_Box_tag, 1589
ppl_Rational_Box_maximize
ppl_Rational_Box_tag, 1584
ppl_Rational_Box_maximize_with_point
ppl_Rational_Box_tag, 1584
ppl_Rational_Box_minimize
ppl_Rational_Box_tag, 1584
ppl_Rational_Box_minimize_with_point
ppl_Rational_Box_tag, 1584
ppl_Rational_Box_OK
ppl_Rational_Box_tag, 1585
ppl_Rational_Box_refine_with_congruence
ppl_Rational_Box_tag, 1586
ppl_Rational_Box_refine_with_congruences
ppl_Rational_Box_tag, 1586
ppl_Rational_Box_refine_with_constraint
ppl_Rational_Box_tag, 1586
ppl_Rational_Box_refine_with_constraints
ppl_Rational_Box_tag, 1586
ppl_Rational_Box_relation_with_Congruence
ppl_Rational_Box_tag, 1583
ppl_Rational_Box_relation_with_Constraint
ppl_Rational_Box_tag, 1582
ppl_Rational_Box_relation_with_Generator
ppl_Rational_Box_tag, 1582

ppl_Rational_Box_remove_higher_space_-dimensions
ppl_Rational_Box_tag, 1588
ppl_Rational_Box_remove_space_dimensions
ppl_Rational_Box_tag, 1588
ppl_Rational_Box_simplify_using_context_assign
ppl_Rational_Box_tag, 1587
ppl_Rational_Box_space_dimension
ppl_Rational_Box_tag, 1582
ppl_Rational_Box_strictly_contains_Rational_Box
ppl_Rational_Box_tag, 1585
ppl_Rational_Box_tag, 1567
ppl_all_affine_ranking_functions_MS_-Rational_Box, 1591
ppl_all_affine_ranking_functions_MS_-Rational_Box_2, 1592
ppl_all_affine_ranking_functions_PR_-Rational_Box, 1592
ppl_all_affine_ranking_functions_PR_-Rational_Box_2, 1592
ppl_assign_Rational_Box_from_Rational_-Box, 1591
ppl_delete_Rational_Box, 1574
ppl_io_asprint_Rational_Box, 1593
ppl_io_fprint_Rational_Box, 1592
ppl_io_print_Rational_Box, 1592
ppl_new_Rational_Box_from_BD_Shape_-double, 1577
ppl_new_Rational_Box_from_BD_Shape_-double_with_complexity, 1581
ppl_new_Rational_Box_from_BD_Shape_-float, 1577
ppl_new_Rational_Box_from_BD_Shape_-float_with_complexity, 1581
ppl_new_Rational_Box_from_BD_Shape_-int16_t, 1575
ppl_new_Rational_Box_from_BD_Shape_-int16_t_with_complexity, 1579
ppl_new_Rational_Box_from_BD_Shape_-int32_t, 1575
ppl_new_Rational_Box_from_BD_Shape_-int32_t_with_complexity, 1579
ppl_new_Rational_Box_from_BD_Shape_-int64_t, 1575
ppl_new_Rational_Box_from_BD_Shape_-int64_t_with_complexity, 1579
ppl_new_Rational_Box_from_BD_Shape_-int8_t, 1575
ppl_new_Rational_Box_from_BD_Shape_-int8_t_with_complexity, 1579
ppl_new_Rational_Box_from_BD_Shape_-long_double, 1578
ppl_new_Rational_Box_from_BD_Shape_-long_double_with_complexity, 1582
ppl_new_Rational_Box_from_BD_Shape_-mpq_class, 1576
ppl_new_Rational_Box_from_BD_Shape_-mpq_class_with_complexity, 1580
ppl_new_Rational_Box_from_BD_Shape_-mpz_class, 1576
ppl_new_Rational_Box_from_BD_Shape_-mpz_class_with_complexity, 1579
ppl_new_Rational_Box_from_C_Polyhedron, 1576
ppl_new_Rational_Box_from_C_-Polyhedron_with_complexity, 1580
ppl_new_Rational_Box_from_Congruence_-System, 1582
ppl_new_Rational_Box_from_Constraint_-System, 1582
ppl_new_Rational_Box_from_Double_Box, 1577
ppl_new_Rational_Box_from_Double_Box_-with_complexity, 1581
ppl_new_Rational_Box_from_Float_Box, 1577
ppl_new_Rational_Box_from_Float_Box_-with_complexity, 1581
ppl_new_Rational_Box_from_Generator_-System, 1582
ppl_new_Rational_Box_from_Grid, 1577
ppl_new_Rational_Box_from_Grid_with_-complexity, 1581
ppl_new_Rational_Box_from_Int16_Box, 1574
ppl_new_Rational_Box_from_Int16_Box_-with_complexity, 1578
ppl_new_Rational_Box_from_Int32_Box, 1574
ppl_new_Rational_Box_from_Int32_Box_-with_complexity, 1578
ppl_new_Rational_Box_from_Int64_Box, 1574
ppl_new_Rational_Box_from_Int64_Box_-with_complexity, 1578
ppl_new_Rational_Box_from_Int8_Box, 1574
ppl_new_Rational_Box_from_Int8_Box_-with_complexity, 1578
ppl_new_Rational_Box_from_Long_-Double_Box, 1577
ppl_new_Rational_Box_from_Long_-Double_Box_with_complexity, 1581
ppl_new_Rational_Box_from_NNC_-Polyhedron, 1577
ppl_new_Rational_Box_from_NNC_-Polyhedron_with_complexity, 1581
ppl_new_Rational_Box_from_Octagonal_-Shape_double, 1577

ppl_new_Rational_Box_from_Octagonal_-Shape_double_with_complexity, 1581
ppl_new_Rational_Box_from_Octagonal_-Shape_float, 1577
ppl_new_Rational_Box_from_Octagonal_-Shape_float_with_complexity, 1581
ppl_new_Rational_Box_from_Octagonal_-Shape_int16_t, 1576
ppl_new_Rational_Box_from_Octagonal_-Shape_int16_t_with_complexity, 1580
ppl_new_Rational_Box_from_Octagonal_-Shape_int32_t, 1576
ppl_new_Rational_Box_from_Octagonal_-Shape_int32_t_with_complexity, 1580
ppl_new_Rational_Box_from_Octagonal_-Shape_int64_t, 1576
ppl_new_Rational_Box_from_Octagonal_-Shape_int64_t_with_complexity, 1580
ppl_new_Rational_Box_from_Octagonal_-Shape_int8_t, 1576
ppl_new_Rational_Box_from_Octagonal_-Shape_int8_t_with_complexity, 1580
ppl_new_Rational_Box_from_Octagonal_-Shape_long_double, 1578
ppl_new_Rational_Box_from_Octagonal_-Shape_long_double_with_complexity, 1582
ppl_new_Rational_Box_from_Octagonal_-Shape_mpq_class, 1576
ppl_new_Rational_Box_from_Octagonal_-Shape_mpq_class_with_complexity, 1580
ppl_new_Rational_Box_from_Octagonal_-Shape_mpz_class, 1576
ppl_new_Rational_Box_from_Octagonal_-Shape_mpz_class_with_complexity, 1580
ppl_new_Rational_Box_from_Rational_Box, 1575
ppl_new_Rational_Box_from_Rational_-Box_with_complexity, 1579
ppl_new_Rational_Box_from_space_-dimension, 1574
ppl_new_Rational_Box_from_Uint16_Box, 1575
ppl_new_Rational_Box_from_Uint16_Box_-with_complexity, 1578
ppl_new_Rational_Box_from_Uint32_Box, 1575
ppl_new_Rational_Box_from_Uint32_Box_-with_complexity, 1578
ppl_new_Rational_Box_from_Uint64_Box, 1575
ppl_new_Rational_Box_from_Uint64_Box_-with_complexity, 1579
ppl_new_Rational_Box_from_Uint8_Box, 1574
ppl_new_Rational_Box_from_Uint8_Box_-with_complexity, 1578
ppl_new_Rational_Box_from_Z_Box, 1575
ppl_new_Rational_Box_from_Z_Box_with_-complexity, 1579
ppl_new_Rational_Box_recycle_-Congruence_System, 1590
ppl_new_Rational_Box_recycle_Constraint_-System, 1590
ppl_new_Rational_Box_recycle_Generator_-System, 1591
ppl_one_affine_ranking_function_MS_-Rational_Box, 1591
ppl_one_affine_ranking_function_MS_-Rational_Box_2, 1592
ppl_one_affine_ranking_function_PR_-Rational_Box, 1591
ppl_one_affine_ranking_function_PR_-Rational_Box_2, 1592
ppl_Rational_Box_add_congruence, 1585
ppl_Rational_Box_add_congruences, 1585
ppl_Rational_Box_add_constraint, 1585
ppl_Rational_Box_add_constraints, 1585
ppl_Rational_Box_add_recycled_-congruences, 1591
ppl_Rational_Box_add_recycled_constraints, 1591
ppl_Rational_Box_add_space_dimensions_-and_embed, 1588
ppl_Rational_Box_add_space_dimensions_-and_project, 1588
ppl_Rational_Box_affine_dimension, 1582
ppl_Rational_Box_affine_image, 1587
ppl_Rational_Box_affine_preimage, 1587
ppl_Rational_Box_ascii_dump, 1593
ppl_Rational_Box_ascii_load, 1593
ppl_Rational_Box_bounded_affine_image, 1587
ppl_Rational_Box_bounded_affine_preimage, 1587
ppl_Rational_Box_bounds_from_above, 1584
ppl_Rational_Box_bounds_from_below, 1584
ppl_Rational_Box_CC76_widening_assign, 1589
ppl_Rational_Box_CC76_widening_assign_-with_tokens, 1589
ppl_Rational_Box_concatenate_assign, 1586
ppl_Rational_Box_constrains, 1587
ppl_Rational_Box_contains_integer_point, 1583

ppl_Rational_Box_contains_Rational_Box, 1585
ppl_Rational_Box_difference_assign, 1586
ppl_Rational_Box_drop_some_non_integer_-points, 1589
ppl_Rational_Box_drop_some_non_integer_-points_2, 1589
ppl_Rational_Box_equals_Rational_Box, 1585
ppl_Rational_Box_expand_space_dimension, 1589
ppl_Rational_Box_external_memory_in_-bytes, 1589
ppl_Rational_Box_fold_space_dimensions, 1589
ppl_Rational_Box_frequency, 1584
ppl_Rational_Box_generalized_affine_image, 1588
ppl_Rational_Box_generalized_affine_-image_lhs_rhs, 1588
ppl_Rational_Box_generalized_affine_-preimage, 1588
ppl_Rational_Box_generalized_affine_-preimage_lhs_rhs, 1588
ppl_Rational_Box_get_congruences, 1583
ppl_Rational_Box_get_constraints, 1583
ppl_Rational_Box_get_minimized_-congruences, 1583
ppl_Rational_Box_get_minimized_-constraints, 1583
ppl_Rational_Box_intersection_assign, 1586
ppl_Rational_Box_is_bounded, 1583
ppl_Rational_Box_is_discrete, 1584
ppl_Rational_Box_is_disjoint_from_-Rational_Box, 1585
ppl_Rational_Box_is_empty, 1583
ppl_Rational_Box_is_topologically_closed, 1583
ppl_Rational_Box_is_universe, 1583
ppl_Rational_Box_limited_CC76_-extrapolation_assign, 1590
ppl_Rational_Box_limited_CC76_-extrapolation_assign_with_tokens, 1590
ppl_Rational_Box_linear_partition, 1590
ppl_Rational_Box_map_space_dimensions, 1589
ppl_Rational_Box_maximize, 1584
ppl_Rational_Box_maximize_with_point, 1584
ppl_Rational_Box_minimize, 1584
ppl_Rational_Box_minimize_with_point, 1584
ppl_Rational_Box_OK, 1585
ppl_Rational_Box_refine_with_congruence, 1586
ppl_Rational_Box_refine_with_congruences, 1586
ppl_Rational_Box_refine_with_constraint, 1586
ppl_Rational_Box_refine_with_constraints, 1586
ppl_Rational_Box_relation_with_-Congruence, 1583
ppl_Rational_Box_relation_with_Constraint, 1582
ppl_Rational_Box_relation_with_Generator, 1582
ppl_Rational_Box_remove_higher_space_-dimensions, 1588
ppl_Rational_Box_remove_space_-dimensions, 1588
ppl_Rational_Box_simplify_using_context_-assign, 1587
ppl_Rational_Box_space_dimension, 1582
ppl_Rational_Box_strictly_contains_-Rational_Box, 1585
ppl_Rational_Box_time_elapse_assign, 1586
ppl_Rational_Box_topological_closure_-assign, 1584
ppl_Rational_Box_total_memory_in_bytes, 1589
ppl_Rational_Box_unconstrain_space_-dimension, 1587
ppl_Rational_Box_unconstrain_space_-dimensions, 1587
ppl_Rational_Box_upper_bound_assign, 1586
ppl_Rational_Box_upper_bound_assign_if_-exact, 1587
ppl_Rational_Box_widening_assign, 1590
ppl_Rational_Box_widening_assign_with_-tokens, 1590
ppl_Rational_Box_wrap_assign, 1590
ppl_termination_test_MS_Rational_Box, 1591
ppl_termination_test_MS_Rational_Box_2, 1592
ppl_termination_test_PR_Rational_Box, 1591
ppl_termination_test_PR_Rational_Box_2, 1592
ppl_Rational_Box_time_elapse_assign
ppl_Rational_Box_tag, 1586
ppl_Rational_Box_topological_closure_assign
ppl_Rational_Box_tag, 1584
ppl_Rational_Box_total_memory_in_bytes
ppl_Rational_Box_tag, 1589
ppl_Rational_Box_unconstrain_space_dimension
ppl_Rational_Box_tag, 1587

ppl_Rational_Box_unconstrain_space_dimensions
ppl_Rational_Box_tag, 1587
ppl_Rational_Box_upper_bound_assign
ppl_Rational_Box_tag, 1586
ppl_Rational_Box_upper_bound_assign_if_exact
ppl_Rational_Box_tag, 1587
ppl_Rational_Box_widening_assign
ppl_Rational_Box_tag, 1590
ppl_Rational_Box_widening_assign_with_tokens
ppl_Rational_Box_tag, 1590
ppl_Rational_Box_wrap_assign
ppl_Rational_Box_tag, 1590
ppl_restore_pre_PPL_rounding
Init, 26
ppl_set_deterministic_timeout
Timeout, 30
ppl_set_error_handler
Error, 30
ppl_set_irrational_precision
Init, 27
ppl_set_rounding_for_PPL
Init, 26
ppl_set_timeout
Timeout, 30
ppl_termination_test_MS_BD_Shape_double
ppl_BD_Shape_double_tag, 87
ppl_termination_test_MS_BD_Shape_double_2
ppl_BD_Shape_double_tag, 88
ppl_termination_test_MS_BD_Shape_float
ppl_BD_Shape_float_tag, 114
ppl_termination_test_MS_BD_Shape_float_2
ppl_BD_Shape_float_tag, 115
ppl_termination_test_MS_BD_Shape_int16_t
ppl_BD_Shape_int16_t_tag, 142
ppl_termination_test_MS_BD_Shape_int16_t_2
ppl_BD_Shape_int16_t_tag, 142
ppl_termination_test_MS_BD_Shape_int32_t
ppl_BD_Shape_int32_t_tag, 169
ppl_termination_test_MS_BD_Shape_int32_t_2
ppl_BD_Shape_int32_t_tag, 170
ppl_termination_test_MS_BD_Shape_int64_t
ppl_BD_Shape_int64_t_tag, 197
ppl_termination_test_MS_BD_Shape_int64_t_2
ppl_BD_Shape_int64_t_tag, 198
ppl_termination_test_MS_BD_Shape_int8_t
ppl_BD_Shape_int8_t_tag, 224
ppl_termination_test_MS_BD_Shape_int8_t_2
ppl_BD_Shape_int8_t_tag, 225
ppl_termination_test_MS_BD_Shape_long_double
ppl_BD_Shape_long_double_tag, 253
ppl_termination_test_MS_BD_Shape_long_-
double_2
ppl_BD_Shape_long_double_tag, 253
ppl_termination_test_MS_BD_Shape_mpq_class
ppl_BD_Shape_mpq_class_tag, 281
ppl_termination_test_MS_BD_Shape_mpq_class_-
2
ppl_BD_Shape_mpq_class_tag, 281
ppl_termination_test_MS_BD_Shape_mpz_class
ppl_BD_Shape_mpz_class_tag, 309
ppl_termination_test_MS_BD_Shape_mpz_class_2
ppl_BD_Shape_mpz_class_tag, 310
ppl_termination_test_MS_C_Polyhedron
ppl_Polyhedron_tag, 1565
ppl_termination_test_MS_C_Polyhedron_2
ppl_Polyhedron_tag, 1566
ppl_termination_test_MS_Double_Box
ppl_Double_Box_tag, 441
ppl_termination_test_MS_Double_Box_2
ppl_Double_Box_tag, 442
ppl_termination_test_MS_Float_Box
ppl_Float_Box_tag, 466
ppl_termination_test_MS_Float_Box_2
ppl_Float_Box_tag, 467
ppl_termination_test_MS_Grid
ppl_Grid_tag, 500
ppl_termination_test_MS_Grid_2
ppl_Grid_tag, 500
ppl_termination_test_MS_Int16_Box
ppl_Int16_Box_tag, 524
ppl_termination_test_MS_Int16_Box_2
ppl_Int16_Box_tag, 525
ppl_termination_test_MS_Int32_Box
ppl_Int32_Box_tag, 549
ppl_termination_test_MS_Int32_Box_2
ppl_Int32_Box_tag, 550
ppl_termination_test_MS_Int64_Box
ppl_Int64_Box_tag, 573
ppl_termination_test_MS_Int64_Box_2
ppl_Int64_Box_tag, 574
ppl_termination_test_MS_Int8_Box
ppl_Int8_Box_tag, 598
ppl_termination_test_MS_Int8_Box_2
ppl_Int8_Box_tag, 599
ppl_termination_test_MS_Long_Double_Box
ppl_Long_Double_Box_tag, 627
ppl_termination_test_MS_Long_Double_Box_2
ppl_Long_Double_Box_tag, 627
ppl_termination_test_MS_NNC_Polyhedron
ppl_Polyhedron_tag, 1565
ppl_termination_test_MS_NNC_Polyhedron_2
ppl_Polyhedron_tag, 1566
ppl_termination_test_MS_Octagonal_Shape_-
double
ppl_Octagonal_Shape_double_tag, 659
ppl_termination_test_MS_Octagonal_Shape_-
double_2
ppl_Octagonal_Shape_double_tag, 660

ppl_termination_test_MS_Octagonal_Shape_float
ppl_Octagonal_Shape_float_tag, 687
ppl_termination_test_MS_Octagonal_Shape_-
float_2
ppl_Octagonal_Shape_float_tag, 688
ppl_termination_test_MS_Octagonal_Shape_-
int16_t
ppl_Octagonal_Shape_int16_t_tag, 715
ppl_termination_test_MS_Octagonal_Shape_-
int16_t_2
ppl_Octagonal_Shape_int16_t_tag, 716
ppl_termination_test_MS_Octagonal_Shape_-
int32_t
ppl_Octagonal_Shape_int32_t_tag, 744
ppl_termination_test_MS_Octagonal_Shape_-
int32_t_2
ppl_Octagonal_Shape_int32_t_tag, 744
ppl_termination_test_MS_Octagonal_Shape_-
int64_t
ppl_Octagonal_Shape_int64_t_tag, 772
ppl_termination_test_MS_Octagonal_Shape_-
int64_t_2
ppl_Octagonal_Shape_int64_t_tag, 772
ppl_termination_test_MS_Octagonal_Shape_int8_t
ppl_Octagonal_Shape_int8_t_tag, 800
ppl_termination_test_MS_Octagonal_Shape_int8_-
t_2
ppl_Octagonal_Shape_int8_t_tag, 800
ppl_termination_test_MS_Octagonal_Shape_-
long_double
ppl_Octagonal_Shape_long_double_tag, 829
ppl_termination_test_MS_Octagonal_Shape_-
long_double_2
ppl_Octagonal_Shape_long_double_tag, 829
ppl_termination_test_MS_Octagonal_Shape_-
mpq_class
ppl_Octagonal_Shape_mpq_class_tag, 858
ppl_termination_test_MS_Octagonal_Shape_-
mpq_class_2
ppl_Octagonal_Shape_mpq_class_tag, 859
ppl_termination_test_MS_Octagonal_Shape_-
mpz_class
ppl_Octagonal_Shape_mpz_class_tag, 887
ppl_termination_test_MS_Octagonal_Shape_-
mpz_class_2
ppl_Octagonal_Shape_mpz_class_tag, 887
ppl_termination_test_MS_Rational_Box
ppl_Rational_Box_tag, 1591
ppl_termination_test_MS_Rational_Box_2
ppl_Rational_Box_tag, 1592
ppl_termination_test_MS_Uint16_Box
ppl_Uint16_Box_tag, 1616
ppl_termination_test_MS_Uint16_Box_2
ppl_Uint16_Box_tag, 1617
ppl_termination_test_MS_Uint32_Box
ppl_Uint32_Box_tag, 1641
ppl_termination_test_MS_Uint32_Box_2
ppl_Uint32_Box_tag, 1642
ppl_termination_test_MS_Uint64_Box
ppl_Uint64_Box_tag, 1666
ppl_termination_test_MS_Uint64_Box_2
ppl_Uint64_Box_tag, 1667
ppl_termination_test_MS_Uint8_Box
ppl_Uint8_Box_tag, 1691
ppl_termination_test_MS_Uint8_Box_2
ppl_Uint8_Box_tag, 1692
ppl_termination_test_MS_Z_Box
ppl_Z_Box_tag, 1715
ppl_termination_test_MS_Z_Box_2
ppl_Z_Box_tag, 1716
ppl_termination_test_PR_BD_Shape_double
ppl_BD_Shape_double_tag, 87
ppl_termination_test_PR_BD_Shape_double_2
ppl_BD_Shape_double_tag, 88
ppl_termination_test_PR_BD_Shape_float
ppl_BD_Shape_float_tag, 114
ppl_termination_test_PR_BD_Shape_float_2
ppl_BD_Shape_float_tag, 115
ppl_termination_test_PR_BD_Shape_int16_t
ppl_BD_Shape_int16_t_tag, 142
ppl_termination_test_PR_BD_Shape_int16_t_2
ppl_BD_Shape_int16_t_tag, 142
ppl_termination_test_PR_BD_Shape_int32_t
ppl_BD_Shape_int32_t_tag, 169
ppl_termination_test_PR_BD_Shape_int32_t_2
ppl_BD_Shape_int32_t_tag, 170
ppl_termination_test_PR_BD_Shape_int64_t
ppl_BD_Shape_int64_t_tag, 197
ppl_termination_test_PR_BD_Shape_int64_t_2
ppl_BD_Shape_int64_t_tag, 198
ppl_termination_test_PR_BD_Shape_int8_t
ppl_BD_Shape_int8_t_tag, 224
ppl_termination_test_PR_BD_Shape_int8_t_2
ppl_BD_Shape_int8_t_tag, 225
ppl_termination_test_PR_BD_Shape_long_double
ppl_BD_Shape_long_double_tag, 253
ppl_termination_test_PR_BD_Shape_long_-
double_2
ppl_BD_Shape_long_double_tag, 253
ppl_termination_test_PR_BD_Shape_mpq_class
ppl_BD_Shape_mpq_class_tag, 281
ppl_termination_test_PR_BD_Shape_mpq_class_2
ppl_BD_Shape_mpq_class_tag, 282
ppl_termination_test_PR_BD_Shape_mpz_class
ppl_BD_Shape_mpz_class_tag, 309
ppl_termination_test_PR_BD_Shape_mpz_class_2
ppl_BD_Shape_mpz_class_tag, 310
ppl_termination_test_PR_C_Polyhedron

ppl_Polyhedron_tag, 1565
ppl_termination_test_PR_C_Polyhedron_2
ppl_Polyhedron_tag, 1566
ppl_termination_test_PR_Double_Box
ppl_Double_Box_tag, 442
ppl_termination_test_PR_Double_Box_2
ppl_Double_Box_tag, 442
ppl_termination_test_PR_Float_Box
ppl_Float_Box_tag, 466
ppl_termination_test_PR_Float_Box_2
ppl_Float_Box_tag, 467
ppl_termination_test_PR_Grid
ppl_Grid_tag, 500
ppl_termination_test_PR_Grid_2
ppl_Grid_tag, 501
ppl_termination_test_PR_Int16_Box
ppl_Int16_Box_tag, 524
ppl_termination_test_PR_Int16_Box_2
ppl_Int16_Box_tag, 525
ppl_termination_test_PR_Int32_Box
ppl_Int32_Box_tag, 549
ppl_termination_test_PR_Int32_Box_2
ppl_Int32_Box_tag, 550
ppl_termination_test_PR_Int64_Box
ppl_Int64_Box_tag, 574
ppl_termination_test_PR_Int64_Box_2
ppl_Int64_Box_tag, 574
ppl_termination_test_PR_Int8_Box
ppl_Int8_Box_tag, 598
ppl_termination_test_PR_Int8_Box_2
ppl_Int8_Box_tag, 599
ppl_termination_test_PR_Long_Double_Box
ppl_Long_Double_Box_tag, 627
ppl_termination_test_PR_Long_Double_Box_2
ppl_Long_Double_Box_tag, 627
ppl_termination_test_PR_NNC_Polyhedron
ppl_Polyhedron_tag, 1565
ppl_termination_test_PR_NNC_Polyhedron_2
ppl_Polyhedron_tag, 1566
ppl_termination_test_PR_Octagonal_Shape_-
double
ppl_Octagonal_Shape_double_tag, 660
ppl_termination_test_PR_Octagonal_Shape_-
double_2
ppl_Octagonal_Shape_double_tag, 660
ppl_termination_test_PR_Octagonal_Shape_float
ppl_Octagonal_Shape_float_tag, 687
ppl_termination_test_PR_Octagonal_Shape_float_-
2
ppl_Octagonal_Shape_float_tag, 688
ppl_termination_test_PR_Octagonal_Shape_-
int16_t
ppl_Octagonal_Shape_int16_t_tag, 715
ppl_termination_test_PR_Octagonal_Shape_-
int16_t_2
ppl_Octagonal_Shape_int16_t_tag, 716
ppl_termination_test_PR_Octagonal_Shape_-
int32_t
ppl_Octagonal_Shape_int32_t_tag, 744
ppl_termination_test_PR_Octagonal_Shape_-
int32_t_2
ppl_Octagonal_Shape_int32_t_tag, 744
ppl_termination_test_PR_Octagonal_Shape_-
int64_t
ppl_Octagonal_Shape_int64_t_tag, 772
ppl_termination_test_PR_Octagonal_Shape_-
int64_t_2
ppl_Octagonal_Shape_int64_t_tag, 773
ppl_termination_test_PR_Octagonal_Shape_int8_t
ppl_Octagonal_Shape_int8_t_tag, 800
ppl_termination_test_PR_Octagonal_Shape_int8_-
t_2
ppl_Octagonal_Shape_int8_t_tag, 801
ppl_termination_test_PR_Octagonal_Shape_long_-
double
ppl_Octagonal_Shape_long_double_tag, 829
ppl_termination_test_PR_Octagonal_Shape_long_-
double_2
ppl_Octagonal_Shape_long_double_tag, 830
ppl_termination_test_PR_Octagonal_Shape_mpq_-
class
ppl_Octagonal_Shape_mpq_class_tag, 858
ppl_termination_test_PR_Octagonal_Shape_mpq_-
class_2
ppl_Octagonal_Shape_mpq_class_tag, 859
ppl_termination_test_PR_Octagonal_Shape_mpz_-
class
ppl_Octagonal_Shape_mpz_class_tag, 887
ppl_termination_test_PR_Octagonal_Shape_mpz_-
class_2
ppl_Octagonal_Shape_mpz_class_tag, 888
ppl_termination_test_PR_Rational_Box
ppl_Rational_Box_tag, 1591
ppl_termination_test_PR_Rational_Box_2
ppl_Rational_Box_tag, 1592
ppl_termination_test_PR_Uint16_Box
ppl_Uint16_Box_tag, 1616
ppl_termination_test_PR_Uint16_Box_2
ppl_Uint16_Box_tag, 1617
ppl_termination_test_PR_Uint32_Box
ppl_Uint32_Box_tag, 1641
ppl_termination_test_PR_Uint32_Box_2
ppl_Uint32_Box_tag, 1642
ppl_termination_test_PR_Uint64_Box
ppl_Uint64_Box_tag, 1667
ppl_termination_test_PR_Uint64_Box_2
ppl_Uint64_Box_tag, 1667

ppl_termination_test_PR_Uint8_Box
ppl_Uint8_Box_tag, 1691
ppl_termination_test_PR_Uint8_Box_2
ppl_Uint8_Box_tag, 1692
ppl_termination_test_PR_Z_Box
ppl_Z_Box_tag, 1715
ppl_termination_test_PR_Z_Box_2
ppl_Z_Box_tag, 1716
ppl_Uint16_Box_add_congruence
ppl_Uint16_Box_tag, 1610
ppl_Uint16_Box_add_congruences
ppl_Uint16_Box_tag, 1611
ppl_Uint16_Box_add_constraint
ppl_Uint16_Box_tag, 1610
ppl_Uint16_Box_add_constraints
ppl_Uint16_Box_tag, 1611
ppl_Uint16_Box_add_recycled_congruences
ppl_Uint16_Box_tag, 1616
ppl_Uint16_Box_add_recycled_constraints
ppl_Uint16_Box_tag, 1616
ppl_Uint16_Box_add_space_dimensions_and_-
embed
ppl_Uint16_Box_tag, 1613
ppl_Uint16_Box_add_space_dimensions_and_-
project
ppl_Uint16_Box_tag, 1613
ppl_Uint16_Box_affine_dimension
ppl_Uint16_Box_tag, 1608
ppl_Uint16_Box_affine_image
ppl_Uint16_Box_tag, 1612
ppl_Uint16_Box_affine_preimage
ppl_Uint16_Box_tag, 1612
ppl_Uint16_Box_ascii_dump
ppl_Uint16_Box_tag, 1618
ppl_Uint16_Box_ascii_load
ppl_Uint16_Box_tag, 1618
ppl_Uint16_Box_bounded_affine_image
ppl_Uint16_Box_tag, 1613
ppl_Uint16_Box_bounded_affine_preimage
ppl_Uint16_Box_tag, 1613
ppl_Uint16_Box_bounds_from_above
ppl_Uint16_Box_tag, 1609
ppl_Uint16_Box_bounds_from_below
ppl_Uint16_Box_tag, 1609
ppl_Uint16_Box_CC76_widening_assign
ppl_Uint16_Box_tag, 1615
ppl_Uint16_Box_CC76_widening_assign_with_-
tokens
ppl_Uint16_Box_tag, 1615
ppl_Uint16_Box_concatenate_assign
ppl_Uint16_Box_tag, 1612
ppl_Uint16_Box_constrains
ppl_Uint16_Box_tag, 1612
ppl_Uint16_Box_contains_integer_point
ppl_Uint16_Box_tag, 1609
ppl_Uint16_Box_contains_Uint16_Box
ppl_Uint16_Box_tag, 1610
ppl_Uint16_Box_difference_assign
ppl_Uint16_Box_tag, 1611
ppl_Uint16_Box_drop_some_non_integer_points
ppl_Uint16_Box_tag, 1614
ppl_Uint16_Box_drop_some_non_integer_points_-
2
ppl_Uint16_Box_tag, 1614
ppl_Uint16_Box_equals_Uint16_Box
ppl_Uint16_Box_tag, 1610
ppl_Uint16_Box_expand_space_dimension
ppl_Uint16_Box_tag, 1614
ppl_Uint16_Box_external_memory_in_bytes
ppl_Uint16_Box_tag, 1614
ppl_Uint16_Box_fold_space_dimensions
ppl_Uint16_Box_tag, 1614
ppl_Uint16_Box_frequency
ppl_Uint16_Box_tag, 1610
ppl_Uint16_Box_generalized_affine_image
ppl_Uint16_Box_tag, 1613
ppl_Uint16_Box_generalized_affine_image_lhs_-
rhs
ppl_Uint16_Box_tag, 1613
ppl_Uint16_Box_generalized_affine_preimage
ppl_Uint16_Box_tag, 1613
ppl_Uint16_Box_generalized_affine_preimage_-
lhs_rhs
ppl_Uint16_Box_tag, 1613
ppl_Uint16_Box_get_congruences
ppl_Uint16_Box_tag, 1608
ppl_Uint16_Box_get_constraints
ppl_Uint16_Box_tag, 1608
ppl_Uint16_Box_get_minimized_congruences
ppl_Uint16_Box_tag, 1608
ppl_Uint16_Box_get_minimized_constraints
ppl_Uint16_Box_tag, 1608
ppl_Uint16_Box_intersection_assign
ppl_Uint16_Box_tag, 1611
ppl_Uint16_Box_is_bounded
ppl_Uint16_Box_tag, 1609
ppl_Uint16_Box_is_discrete
ppl_Uint16_Box_tag, 1609
ppl_Uint16_Box_is_disjoint_from_Uint16_Box
ppl_Uint16_Box_tag, 1610
ppl_Uint16_Box_is_empty
ppl_Uint16_Box_tag, 1608
ppl_Uint16_Box_is_topologically_closed
ppl_Uint16_Box_tag, 1609
ppl_Uint16_Box_is_universe
ppl_Uint16_Box_tag, 1608
ppl_Uint16_Box_limited_CC76_extrapolation_-
assign

ppl_Uint16_Box_tag, 1615
ppl_Uint16_Box_limited_CC76_extrapolation_-assign_with_tokens
ppl_Uint16_Box_tag, 1615
ppl_Uint16_Box_linear_partition
ppl_Uint16_Box_tag, 1615
ppl_Uint16_Box_map_space_dimensions
ppl_Uint16_Box_tag, 1614
ppl_Uint16_Box_maximize
ppl_Uint16_Box_tag, 1609
ppl_Uint16_Box_maximize_with_point
ppl_Uint16_Box_tag, 1609
ppl_Uint16_Box_minimize
ppl_Uint16_Box_tag, 1609
ppl_Uint16_Box_minimize_with_point
ppl_Uint16_Box_tag, 1610
ppl_Uint16_Box_OK
ppl_Uint16_Box_tag, 1610
ppl_Uint16_Box_refine_with_congruence
ppl_Uint16_Box_tag, 1611
ppl_Uint16_Box_refine_with_congruences
ppl_Uint16_Box_tag, 1611
ppl_Uint16_Box_refine_with_constraint
ppl_Uint16_Box_tag, 1611
ppl_Uint16_Box_refine_with_constraints
ppl_Uint16_Box_tag, 1611
ppl_Uint16_Box_relation_with_Congruence
ppl_Uint16_Box_tag, 1608
ppl_Uint16_Box_relation_with_Constraint
ppl_Uint16_Box_tag, 1608
ppl_Uint16_Box_relation_with_Generator
ppl_Uint16_Box_tag, 1608
ppl_Uint16_Box_remove_higher_space_-dimensions
ppl_Uint16_Box_tag, 1614
ppl_Uint16_Box_remove_space_dimensions
ppl_Uint16_Box_tag, 1614
ppl_Uint16_Box_simplify_using_context_assign
ppl_Uint16_Box_tag, 1612
ppl_Uint16_Box_space_dimension
ppl_Uint16_Box_tag, 1607
ppl_Uint16_Box_strictly_contains_Uint16_Box
ppl_Uint16_Box_tag, 1610
ppl_Uint16_Box_tag, 1593
ppl_all_affine_ranking_functions_MS_-Uint16_Box, 1617
ppl_all_affine_ranking_functions_MS_-Uint16_Box_2, 1617
ppl_all_affine_ranking_functions_PR_-Uint16_Box, 1617
ppl_all_affine_ranking_functions_PR_-Uint16_Box_2, 1617
ppl_assign_Uint16_Box_from_Uint16_Box, 1616
ppl_delete_Uint16_Box, 1599
ppl_io_asprint_Uint16_Box, 1618
ppl_io_fprint_Uint16_Box, 1618
ppl_io_print_Uint16_Box, 1618
ppl_new_Uint16_Box_from_BD_Shape_-double, 1603
ppl_new_Uint16_Box_from_BD_Shape_-double_with_complexity, 1606
ppl_new_Uint16_Box_from_BD_Shape_float, 1602
ppl_new_Uint16_Box_from_BD_Shape_-float_with_complexity, 1606
ppl_new_Uint16_Box_from_BD_Shape_-int16_t, 1601
ppl_new_Uint16_Box_from_BD_Shape_-int16_t_with_complexity, 1604
ppl_new_Uint16_Box_from_BD_Shape_-int32_t, 1601
ppl_new_Uint16_Box_from_BD_Shape_-int32_t_with_complexity, 1604
ppl_new_Uint16_Box_from_BD_Shape_-int64_t, 1601
ppl_new_Uint16_Box_from_BD_Shape_-int64_t_with_complexity, 1605
ppl_new_Uint16_Box_from_BD_Shape_-int8_t, 1600
ppl_new_Uint16_Box_from_BD_Shape_-int8_t_with_complexity, 1604
ppl_new_Uint16_Box_from_BD_Shape_-long_double, 1603
ppl_new_Uint16_Box_from_BD_Shape_-long_double_with_complexity, 1607
ppl_new_Uint16_Box_from_BD_Shape_-mpq_class, 1601
ppl_new_Uint16_Box_from_BD_Shape_-mpq_class_with_complexity, 1605
ppl_new_Uint16_Box_from_BD_Shape_-mpz_class, 1601
ppl_new_Uint16_Box_from_BD_Shape_-mpz_class_with_complexity, 1605
ppl_new_Uint16_Box_from_C_Polyhedron, 1602
ppl_new_Uint16_Box_from_C_Polyhedron_-with_complexity, 1606
ppl_new_Uint16_Box_from_Congruence_-System, 1607
ppl_new_Uint16_Box_from_Constraint_-System, 1607
ppl_new_Uint16_Box_from_Double_Box, 1602
ppl_new_Uint16_Box_from_Double_Box_-with_complexity, 1606
ppl_new_Uint16_Box_from_Float_Box, 1602

ppl_new_Uint16_Box_from_Float_Box_-
with_complexity, 1606
ppl_new_Uint16_Box_from_Generator_-
System, 1607
ppl_new_Uint16_Box_from_Grid, 1602
ppl_new_Uint16_Box_from_Grid_with_-
complexity, 1606
ppl_new_Uint16_Box_from_Int16_Box, 1599
ppl_new_Uint16_Box_from_Int16_Box_-
with_complexity, 1603
ppl_new_Uint16_Box_from_Int32_Box, 1600
ppl_new_Uint16_Box_from_Int32_Box_-
with_complexity, 1603
ppl_new_Uint16_Box_from_Int64_Box, 1600
ppl_new_Uint16_Box_from_Int64_Box_-
with_complexity, 1603
ppl_new_Uint16_Box_from_Int8_Box, 1599
ppl_new_Uint16_Box_from_Int8_Box_with_-
complexity, 1603
ppl_new_Uint16_Box_from_Long_Double_-
Box, 1603
ppl_new_Uint16_Box_from_Long_Double_-
Box_with_complexity, 1607
ppl_new_Uint16_Box_from_NNC_-
Polyhedron, 1602
ppl_new_Uint16_Box_from_NNC_-
Polyhedron_with_complexity, 1606
ppl_new_Uint16_Box_from_Octagonal_-
Shape_double, 1603
ppl_new_Uint16_Box_from_Octagonal_-
Shape_double_with_complexity, 1607
ppl_new_Uint16_Box_from_Octagonal_-
Shape_float, 1602
ppl_new_Uint16_Box_from_Octagonal_-
Shape_float_with_complexity, 1606
ppl_new_Uint16_Box_from_Octagonal_-
Shape_int16_t, 1601
ppl_new_Uint16_Box_from_Octagonal_-
Shape_int16_t_with_complexity, 1605
ppl_new_Uint16_Box_from_Octagonal_-
Shape_int32_t, 1601
ppl_new_Uint16_Box_from_Octagonal_-
Shape_int32_t_with_complexity, 1605
ppl_new_Uint16_Box_from_Octagonal_-
Shape_int64_t, 1601
ppl_new_Uint16_Box_from_Octagonal_-
Shape_int64_t_with_complexity, 1605
ppl_new_Uint16_Box_from_Octagonal_-
Shape_int8_t, 1601
ppl_new_Uint16_Box_from_Octagonal_-
Shape_int8_t_with_complexity, 1605
ppl_new_Uint16_Box_from_Octagonal_-
Shape_long_double, 1603
ppl_new_Uint16_Box_from_Octagonal_-
Shape_long_double_with_complexity,
1607
ppl_new_Uint16_Box_from_Octagonal_-
Shape_mpq_class, 1602
ppl_new_Uint16_Box_from_Octagonal_-
Shape_mpq_class_with_complexity,
1606
ppl_new_Uint16_Box_from_Octagonal_-
Shape_mpz_class, 1602
ppl_new_Uint16_Box_from_Octagonal_-
Shape_mpz_class_with_complexity,
1605
ppl_new_Uint16_Box_from_Rational_Box,
1600
ppl_new_Uint16_Box_from_Rational_Box_-
with_complexity, 1604
ppl_new_Uint16_Box_from_space_-
dimension, 1599
ppl_new_Uint16_Box_from_Uint16_Box,
1600
ppl_new_Uint16_Box_from_Uint16_Box_-
with_complexity, 1604
ppl_new_Uint16_Box_from_Uint32_Box,
1600
ppl_new_Uint16_Box_from_Uint32_Box_-
with_complexity, 1604
ppl_new_Uint16_Box_from_Uint64_Box,
1600
ppl_new_Uint16_Box_from_Uint64_Box_-
with_complexity, 1604
ppl_new_Uint16_Box_from_Uint8_Box, 1600
ppl_new_Uint16_Box_from_Uint8_Box_-
with_complexity, 1604
ppl_new_Uint16_Box_from_Z_Box, 1600
ppl_new_Uint16_Box_from_Z_Box_with_-
complexity, 1604
ppl_new_Uint16_Box_recycle_Congruence_-
System, 1616
ppl_new_Uint16_Box_recycle_Constraint_-
System, 1616
ppl_new_Uint16_Box_recycle_Generator_-
System, 1616
ppl_one_affine_ranking_function_MS_-
Uint16_Box, 1616
ppl_one_affine_ranking_function_MS_-
Uint16_Box_2, 1617
ppl_one_affine_ranking_function_PR_-
Uint16_Box, 1617
ppl_one_affine_ranking_function_PR_-
Uint16_Box_2, 1617
ppl_termination_test_MS_Uint16_Box, 1616
ppl_termination_test_MS_Uint16_Box_2,
1617
ppl_termination_test_PR_Uint16_Box, 1616

ppl_termination_test_PR_Uint16_Box_2, 1617
ppl_Uint16_Box_add_congruence, 1610
ppl_Uint16_Box_add_congruences, 1611
ppl_Uint16_Box_add_constraint, 1610
ppl_Uint16_Box_add_constraints, 1611
ppl_Uint16_Box_add_recycled_congruences, 1616
ppl_Uint16_Box_add_recycled_constraints, 1616
ppl_Uint16_Box_add_space_dimensions_and_embed, 1613
ppl_Uint16_Box_add_space_dimensions_and_project, 1613
ppl_Uint16_Box_affine_dimension, 1608
ppl_Uint16_Box_affine_image, 1612
ppl_Uint16_Box_affine_preimage, 1612
ppl_Uint16_Box_ascii_dump, 1618
ppl_Uint16_Box_ascii_load, 1618
ppl_Uint16_Box_bounded_affine_image, 1613
ppl_Uint16_Box_bounded_affine_preimage, 1613
ppl_Uint16_Box_bounds_from_above, 1609
ppl_Uint16_Box_bounds_from_below, 1609
ppl_Uint16_Box_CC76_widening_assign, 1615
ppl_Uint16_Box_CC76_widening_assign_with_tokens, 1615
ppl_Uint16_Box_concatenate_assign, 1612
ppl_Uint16_Box_constrains, 1612
ppl_Uint16_Box_contains_integer_point, 1609
ppl_Uint16_Box_contains_Uint16_Box, 1610
ppl_Uint16_Box_difference_assign, 1611
ppl_Uint16_Box_drop_some_non_integer_points, 1614
ppl_Uint16_Box_drop_some_non_integer_points_2, 1614
ppl_Uint16_Box_equals_Uint16_Box, 1610
ppl_Uint16_Box_expand_space_dimension, 1614
ppl_Uint16_Box_external_memory_in_bytes, 1614
ppl_Uint16_Box_fold_space_dimensions, 1614
ppl_Uint16_Box_frequency, 1610
ppl_Uint16_Box_generalized_affine_image, 1613
ppl_Uint16_Box_generalized_affine_image_lhs_rhs, 1613
ppl_Uint16_Box_generalized_affine_preimage, 1613
ppl_Uint16_Box_generalized_affine_preimage_lhs_rhs, 1613
ppl_Uint16_Box_get_congruences, 1608
ppl_Uint16_Box_get_constraints, 1608
ppl_Uint16_Box_get_minimized_congruences, 1608
ppl_Uint16_Box_get_minimized_constraints, 1608
ppl_Uint16_Box_intersection_assign, 1611
ppl_Uint16_Box_is_bounded, 1609
ppl_Uint16_Box_is_discrete, 1609
ppl_Uint16_Box_is_disjoint_from_Uint16_Box, 1610
ppl_Uint16_Box_is_empty, 1608
ppl_Uint16_Box_is_topologically_closed, 1609
ppl_Uint16_Box_is_universe, 1608
ppl_Uint16_Box_limited_CC76_extrapolation_assign, 1615
ppl_Uint16_Box_limited_CC76_extrapolation_assign_with_tokens, 1615
ppl_Uint16_Box_linear_partition, 1615
ppl_Uint16_Box_map_space_dimensions, 1614
ppl_Uint16_Box_maximize, 1609
ppl_Uint16_Box_maximize_with_point, 1609
ppl_Uint16_Box_minimize, 1609
ppl_Uint16_Box_minimize_with_point, 1610
ppl_Uint16_Box_OK, 1610
ppl_Uint16_Box_refine_with_congruence, 1611
ppl_Uint16_Box_refine_with_congruences, 1611
ppl_Uint16_Box_refine_with_constraint, 1611
ppl_Uint16_Box_refine_with_constraints, 1611
ppl_Uint16_Box_relation_with_Congruence, 1608
ppl_Uint16_Box_relation_with_Constraint, 1608
ppl_Uint16_Box_relation_with_Generator, 1608
ppl_Uint16_Box_remove_higher_space_dimensions, 1614
ppl_Uint16_Box_remove_space_dimensions, 1614
ppl_Uint16_Box_simplify_using_context_assign, 1612
ppl_Uint16_Box_space_dimension, 1607
ppl_Uint16_Box_strictly_contains_Uint16_Box, 1610
ppl_Uint16_Box_time_elapse_assign, 1612

ppl_Uint16_Box_topological_closure_assign, 1609
ppl_Uint16_Box_total_memory_in_bytes, 1614
ppl_Uint16_Box_unconstrain_space_dimension, 1612
ppl_Uint16_Box_unconstrain_space_dimensions, 1612
ppl_Uint16_Box_upper_bound_assign, 1611
ppl_Uint16_Box_upper_bound_assign_if_exact, 1612
ppl_Uint16_Box_widening_assign, 1615
ppl_Uint16_Box_widening_assign_with_tokens, 1615
ppl_Uint16_Box_wrap_assign, 1615
ppl_Uint16_Box_time_elapse_assign
ppl_Uint16_Box_tag, 1612
ppl_Uint16_Box_topological_closure_assign
ppl_Uint16_Box_tag, 1609
ppl_Uint16_Box_total_memory_in_bytes
ppl_Uint16_Box_tag, 1614
ppl_Uint16_Box_unconstrain_space_dimension
ppl_Uint16_Box_tag, 1612
ppl_Uint16_Box_unconstrain_space_dimensions
ppl_Uint16_Box_tag, 1612
ppl_Uint16_Box_upper_bound_assign
ppl_Uint16_Box_tag, 1611
ppl_Uint16_Box_upper_bound_assign_if_exact
ppl_Uint16_Box_tag, 1612
ppl_Uint16_Box_widening_assign
ppl_Uint16_Box_tag, 1615
ppl_Uint16_Box_widening_assign_with_tokens
ppl_Uint16_Box_tag, 1615
ppl_Uint16_Box_wrap_assign
ppl_Uint16_Box_tag, 1615
ppl_Uint32_Box_add_congruence
ppl_Uint32_Box_tag, 1636
ppl_Uint32_Box_add_congruences
ppl_Uint32_Box_tag, 1636
ppl_Uint32_Box_add_constraint
ppl_Uint32_Box_tag, 1636
ppl_Uint32_Box_add_constraints
ppl_Uint32_Box_tag, 1636
ppl_Uint32_Box_add_recycled_congruences
ppl_Uint32_Box_tag, 1641
ppl_Uint32_Box_add_recycled_constraints
ppl_Uint32_Box_tag, 1641
ppl_Uint32_Box_add_space_dimensions_and_embed
ppl_Uint32_Box_tag, 1639
ppl_Uint32_Box_add_space_dimensions_and_project
ppl_Uint32_Box_tag, 1639
ppl_Uint32_Box_affine_dimension
ppl_Uint32_Box_tag, 1633
ppl_Uint32_Box_affine_image
ppl_Uint32_Box_tag, 1638
ppl_Uint32_Box_affine_preimage
ppl_Uint32_Box_tag, 1638
ppl_Uint32_Box_ascii_dump
ppl_Uint32_Box_tag, 1643
ppl_Uint32_Box_ascii_load
ppl_Uint32_Box_tag, 1643
ppl_Uint32_Box_bounded_affine_image
ppl_Uint32_Box_tag, 1638
ppl_Uint32_Box_bounded_affine_preimage
ppl_Uint32_Box_tag, 1638
ppl_Uint32_Box_bounds_from_above
ppl_Uint32_Box_tag, 1634
ppl_Uint32_Box_bounds_from_below
ppl_Uint32_Box_tag, 1634
ppl_Uint32_Box_CC76_widening_assign
ppl_Uint32_Box_tag, 1640
ppl_Uint32_Box_CC76_widening_assign_with_tokens
ppl_Uint32_Box_tag, 1640
ppl_Uint32_Box_concatenate_assign
ppl_Uint32_Box_tag, 1637
ppl_Uint32_Box_constrains
ppl_Uint32_Box_tag, 1637
ppl_Uint32_Box_contains_integer_point
ppl_Uint32_Box_tag, 1634
ppl_Uint32_Box_contains_Uint32_Box
ppl_Uint32_Box_tag, 1635
ppl_Uint32_Box_difference_assign
ppl_Uint32_Box_tag, 1637
ppl_Uint32_Box_drop_some_non_integer_points
ppl_Uint32_Box_tag, 1639
ppl_Uint32_Box_drop_some_non_integer_points_2
ppl_Uint32_Box_tag, 1639
ppl_Uint32_Box_equals_Uint32_Box
ppl_Uint32_Box_tag, 1635
ppl_Uint32_Box_expand_space_dimension
ppl_Uint32_Box_tag, 1639
ppl_Uint32_Box_external_memory_in_bytes
ppl_Uint32_Box_tag, 1640
ppl_Uint32_Box_fold_space_dimensions
ppl_Uint32_Box_tag, 1639
ppl_Uint32_Box_frequency
ppl_Uint32_Box_tag, 1635
ppl_Uint32_Box_generalized_affine_image
ppl_Uint32_Box_tag, 1638
ppl_Uint32_Box_generalized_affine_image_lhs_rhs
ppl_Uint32_Box_tag, 1638
ppl_Uint32_Box_generalized_affine_preimage
ppl_Uint32_Box_tag, 1638

ppl_Uint32_Box_generalized_affine_preimage_-
lhs_rhs
ppl_Uint32_Box_tag, 1638
ppl_Uint32_Box_get_congruences
ppl_Uint32_Box_tag, 1633
ppl_Uint32_Box_get_constraints
ppl_Uint32_Box_tag, 1633
ppl_Uint32_Box_get_minimized_congruences
ppl_Uint32_Box_tag, 1633
ppl_Uint32_Box_get_minimized_constraints
ppl_Uint32_Box_tag, 1633
ppl_Uint32_Box_intersection_assign
ppl_Uint32_Box_tag, 1636
ppl_Uint32_Box_is_bounded
ppl_Uint32_Box_tag, 1634
ppl_Uint32_Box_is_discrete
ppl_Uint32_Box_tag, 1634
ppl_Uint32_Box_is_disjoint_from_Uint32_Box
ppl_Uint32_Box_tag, 1635
ppl_Uint32_Box_is_empty
ppl_Uint32_Box_tag, 1634
ppl_Uint32_Box_is_topologically_closed
ppl_Uint32_Box_tag, 1634
ppl_Uint32_Box_is_universe
ppl_Uint32_Box_tag, 1634
ppl_Uint32_Box_limited_CC76_extrapolation_-
assign
ppl_Uint32_Box_tag, 1640
ppl_Uint32_Box_limited_CC76_extrapolation_-
assign_with_tokens
ppl_Uint32_Box_tag, 1640
ppl_Uint32_Box_linear_partition
ppl_Uint32_Box_tag, 1640
ppl_Uint32_Box_map_space_dimensions
ppl_Uint32_Box_tag, 1639
ppl_Uint32_Box_maximize
ppl_Uint32_Box_tag, 1634
ppl_Uint32_Box_maximize_with_point
ppl_Uint32_Box_tag, 1635
ppl_Uint32_Box_minimize
ppl_Uint32_Box_tag, 1635
ppl_Uint32_Box_minimize_with_point
ppl_Uint32_Box_tag, 1635
ppl_Uint32_Box_OK
ppl_Uint32_Box_tag, 1636
ppl_Uint32_Box_refine_with_congruence
ppl_Uint32_Box_tag, 1636
ppl_Uint32_Box_refine_with_congruences
ppl_Uint32_Box_tag, 1636
ppl_Uint32_Box_refine_with_constraint
ppl_Uint32_Box_tag, 1636
ppl_Uint32_Box_refine_with_constraints
ppl_Uint32_Box_tag, 1636
ppl_Uint32_Box_relation_with_Congruence
ppl_Uint32_Box_tag, 1633
ppl_Uint32_Box_relation_with_Constraint
ppl_Uint32_Box_tag, 1633
ppl_Uint32_Box_relation_with_Generator
ppl_Uint32_Box_tag, 1633
ppl_Uint32_Box_remove_higher_space_-
dimensions
ppl_Uint32_Box_tag, 1639
ppl_Uint32_Box_remove_space_dimensions
ppl_Uint32_Box_tag, 1639
ppl_Uint32_Box_simplify_using_context_assign
ppl_Uint32_Box_tag, 1637
ppl_Uint32_Box_space_dimension
ppl_Uint32_Box_tag, 1633
ppl_Uint32_Box_strictly_contains_Uint32_Box
ppl_Uint32_Box_tag, 1635
ppl_Uint32_Box_tag, 1618
ppl_all_affine_ranking_functions_MS_-
Uint32_Box, 1642
ppl_all_affine_ranking_functions_MS_-
Uint32_Box_2, 1642
ppl_all_affine_ranking_functions_PR_-
Uint32_Box, 1642
ppl_all_affine_ranking_functions_PR_-
Uint32_Box_2, 1643
ppl_assign_Uint32_Box_from_Uint32_Box,
1641
ppl_delete_Uint32_Box, 1624
ppl_io_asprint_Uint32_Box, 1643
ppl_io_fprint_Uint32_Box, 1643
ppl_io_print_Uint32_Box, 1643
ppl_new_Uint32_Box_from_BD_Shape_-
double, 1628
ppl_new_Uint32_Box_from_BD_Shape_-
double_with_complexity, 1632
ppl_new_Uint32_Box_from_BD_Shape_float,
1627
ppl_new_Uint32_Box_from_BD_Shape_-
float_with_complexity, 1631
ppl_new_Uint32_Box_from_BD_Shape_-
int16_t, 1626
ppl_new_Uint32_Box_from_BD_Shape_-
int16_t_with_complexity, 1629
ppl_new_Uint32_Box_from_BD_Shape_-
int32_t, 1626
ppl_new_Uint32_Box_from_BD_Shape_-
int32_t_with_complexity, 1630
ppl_new_Uint32_Box_from_BD_Shape_-
int64_t, 1626
ppl_new_Uint32_Box_from_BD_Shape_-
int64_t_with_complexity, 1630
ppl_new_Uint32_Box_from_BD_Shape_-
int8_t, 1626

ppl_new_Uint32_Box_from_BD_Shape_-
int8_t_with_complexity, 1629
ppl_new_Uint32_Box_from_BD_Shape_-
long_double, 1628
ppl_new_Uint32_Box_from_BD_Shape_-
long_double_with_complexity, 1632
ppl_new_Uint32_Box_from_BD_Shape_-
mpq_class, 1626
ppl_new_Uint32_Box_from_BD_Shape_-
mpq_class_with_complexity, 1630
ppl_new_Uint32_Box_from_BD_Shape_-
mpz_class, 1626
ppl_new_Uint32_Box_from_BD_Shape_-
mpz_class_with_complexity, 1630
ppl_new_Uint32_Box_from_C_Polyhedron,
1627
ppl_new_Uint32_Box_from_C_Polyhedron_-
with_complexity, 1631
ppl_new_Uint32_Box_from_Congruence_-
System, 1632
ppl_new_Uint32_Box_from_Constraint_-
System, 1632
ppl_new_Uint32_Box_from_Double_Box,
1628
ppl_new_Uint32_Box_from_Double_Box_-
with_complexity, 1631
ppl_new_Uint32_Box_from_Float_Box, 1627
ppl_new_Uint32_Box_from_Float_Box_-
with_complexity, 1631
ppl_new_Uint32_Box_from_Generator_-
System, 1632
ppl_new_Uint32_Box_from_Grid, 1627
ppl_new_Uint32_Box_from_Grid_with_-
complexity, 1631
ppl_new_Uint32_Box_from_Int16_Box, 1625
ppl_new_Uint32_Box_from_Int16_Box_-
with_complexity, 1628
ppl_new_Uint32_Box_from_Int32_Box, 1625
ppl_new_Uint32_Box_from_Int32_Box_-
with_complexity, 1628
ppl_new_Uint32_Box_from_Int64_Box, 1625
ppl_new_Uint32_Box_from_Int64_Box_-
with_complexity, 1629
ppl_new_Uint32_Box_from_Int8_Box, 1624
ppl_new_Uint32_Box_from_Int8_Box_with_-
complexity, 1628
ppl_new_Uint32_Box_from_Long_Double_-
Box, 1628
ppl_new_Uint32_Box_from_Long_Double_-
Box_with_complexity, 1632
ppl_new_Uint32_Box_from_NNC_-
Polyhedron, 1627
ppl_new_Uint32_Box_from_NNC_-
Polyhedron_with_complexity, 1631
ppl_new_Uint32_Box_from_Octagonal_-
Shape_double, 1628
ppl_new_Uint32_Box_from_Octagonal_-
Shape_double_with_complexity, 1632
ppl_new_Uint32_Box_from_Octagonal_-
Shape_float, 1627
ppl_new_Uint32_Box_from_Octagonal_-
Shape_float_with_complexity, 1631
ppl_new_Uint32_Box_from_Octagonal_-
Shape_int16_t, 1626
ppl_new_Uint32_Box_from_Octagonal_-
Shape_int16_t_with_complexity, 1630
ppl_new_Uint32_Box_from_Octagonal_-
Shape_int32_t, 1626
ppl_new_Uint32_Box_from_Octagonal_-
Shape_int32_t_with_complexity, 1630
ppl_new_Uint32_Box_from_Octagonal_-
Shape_int64_t, 1627
ppl_new_Uint32_Box_from_Octagonal_-
Shape_int64_t_with_complexity, 1630
ppl_new_Uint32_Box_from_Octagonal_-
Shape_int8_t, 1626
ppl_new_Uint32_Box_from_Octagonal_-
Shape_int8_t_with_complexity, 1630
ppl_new_Uint32_Box_from_Octagonal_-
Shape_long_double, 1628
ppl_new_Uint32_Box_from_Octagonal_-
Shape_long_double_with_complexity,
1632
ppl_new_Uint32_Box_from_Octagonal_-
Shape_mpq_class, 1627
ppl_new_Uint32_Box_from_Octagonal_-
Shape_mpq_class_with_complexity,
1631
ppl_new_Uint32_Box_from_Octagonal_-
Shape_mpz_class, 1627
ppl_new_Uint32_Box_from_Octagonal_-
Shape_mpz_class_with_complexity,
1631
ppl_new_Uint32_Box_from_Rational_Box,
1625
ppl_new_Uint32_Box_from_Rational_Box_-
with_complexity, 1629
ppl_new_Uint32_Box_from_space_-
dimension, 1624
ppl_new_Uint32_Box_from_Uint16_Box,
1625
ppl_new_Uint32_Box_from_Uint16_Box_-
with_complexity, 1629
ppl_new_Uint32_Box_from_Uint32_Box,
1625
ppl_new_Uint32_Box_from_Uint32_Box_-
with_complexity, 1629
ppl_new_Uint32_Box_from_Uint64_Box,

1625
ppl_new_Uint32_Box_from_Uint64_Box_-with_complexity, 1629
ppl_new_Uint32_Box_from_Uint8_Box, 1625
ppl_new_Uint32_Box_from_Uint8_Box_-with_complexity, 1629
ppl_new_Uint32_Box_from_Z_Box, 1625
ppl_new_Uint32_Box_from_Z_Box_with_-complexity, 1629
ppl_new_Uint32_Box_recycle_Congruence_-System, 1641
ppl_new_Uint32_Box_recycle_Constraint_-System, 1641
ppl_new_Uint32_Box_recycle_Generator_-System, 1641
ppl_one_affine_ranking_function_MS_-Uint32_Box, 1642
ppl_one_affine_ranking_function_MS_-Uint32_Box_2, 1642
ppl_one_affine_ranking_function_PR_-Uint32_Box, 1642
ppl_one_affine_ranking_function_PR_-Uint32_Box_2, 1642
ppl_termination_test_MS_Uint32_Box, 1641
ppl_termination_test_MS_Uint32_Box_2, 1642
ppl_termination_test_PR_Uint32_Box, 1641
ppl_termination_test_PR_Uint32_Box_2, 1642
ppl_Uint32_Box_add_congruence, 1636
ppl_Uint32_Box_add_congruences, 1636
ppl_Uint32_Box_add_constraint, 1636
ppl_Uint32_Box_add_constraints, 1636
ppl_Uint32_Box_add_recycled_congruences, 1641
ppl_Uint32_Box_add_recycled_constraints, 1641
ppl_Uint32_Box_add_space_dimensions_-and_embed, 1639
ppl_Uint32_Box_add_space_dimensions_-and_project, 1639
ppl_Uint32_Box_affine_dimension, 1633
ppl_Uint32_Box_affine_image, 1638
ppl_Uint32_Box_affine_preimage, 1638
ppl_Uint32_Box_ascii_dump, 1643
ppl_Uint32_Box_ascii_load, 1643
ppl_Uint32_Box_bounded_affine_image, 1638
ppl_Uint32_Box_bounded_affine_preimage, 1638
ppl_Uint32_Box_bounds_from_above, 1634
ppl_Uint32_Box_bounds_from_below, 1634
ppl_Uint32_Box_CC76_widening_assign, 1640
ppl_Uint32_Box_CC76_widening_assign_-with_tokens, 1640
ppl_Uint32_Box_concatenate_assign, 1637
ppl_Uint32_Box_constrains, 1637
ppl_Uint32_Box_contains_integer_point, 1634
ppl_Uint32_Box_contains_Uint32_Box, 1635
ppl_Uint32_Box_difference_assign, 1637
ppl_Uint32_Box_drop_some_non_integer_-points, 1639
ppl_Uint32_Box_drop_some_non_integer_-points_2, 1639
ppl_Uint32_Box_equals_Uint32_Box, 1635
ppl_Uint32_Box_expand_space_dimension, 1639
ppl_Uint32_Box_external_memory_in_bytes, 1640
ppl_Uint32_Box_fold_space_dimensions, 1639
ppl_Uint32_Box_frequency, 1635
ppl_Uint32_Box_generalized_affine_image, 1638
ppl_Uint32_Box_generalized_affine_image_-lhs_rhs, 1638
ppl_Uint32_Box_generalized_affine_-preimage, 1638
ppl_Uint32_Box_generalized_affine_-preimage_lhs_rhs, 1638
ppl_Uint32_Box_get_congruences, 1633
ppl_Uint32_Box_get_constraints, 1633
ppl_Uint32_Box_get_minimized_-congruences, 1633
ppl_Uint32_Box_get_minimized_constraints, 1633
ppl_Uint32_Box_intersection_assign, 1636
ppl_Uint32_Box_is_bounded, 1634
ppl_Uint32_Box_is_discrete, 1634
ppl_Uint32_Box_is_disjoint_from_Uint32_-Box, 1635
ppl_Uint32_Box_is_empty, 1634
ppl_Uint32_Box_is_topologically_closed, 1634
ppl_Uint32_Box_is_universe, 1634
ppl_Uint32_Box_limited_CC76_-extrapolation_assign, 1640
ppl_Uint32_Box_limited_CC76_-extrapolation_assign_with_tokens, 1640
ppl_Uint32_Box_linear_partition, 1640
ppl_Uint32_Box_map_space_dimensions, 1639
ppl_Uint32_Box_maximize, 1634
ppl_Uint32_Box_maximize_with_point, 1635
ppl_Uint32_Box_minimize, 1635

ppl_Uint32_Box_minimize_with_point, 1635
ppl_Uint32_Box_OK, 1636
ppl_Uint32_Box_refine_with_congruence, 1636
ppl_Uint32_Box_refine_with_congruences, 1636
ppl_Uint32_Box_refine_with_constraint, 1636
ppl_Uint32_Box_refine_with_constraints, 1636
ppl_Uint32_Box_relation_with_Congruence, 1633
ppl_Uint32_Box_relation_with_Constraint, 1633
ppl_Uint32_Box_relation_with_Generator, 1633
ppl_Uint32_Box_remove_higher_space_dimensions, 1639
ppl_Uint32_Box_remove_space_dimensions, 1639
ppl_Uint32_Box_simplify_using_context_assign, 1637
ppl_Uint32_Box_space_dimension, 1633
ppl_Uint32_Box_strictly_contains_Uint32_Box, 1635
ppl_Uint32_Box_time_elapse_assign, 1637
ppl_Uint32_Box_topological_closure_assign, 1634
ppl_Uint32_Box_total_memory_in_bytes, 1640
ppl_Uint32_Box_unconstrain_space_dimension, 1637
ppl_Uint32_Box_unconstrain_space_dimensions, 1637
ppl_Uint32_Box_upper_bound_assign, 1637
ppl_Uint32_Box_upper_bound_assign_if_exact, 1637
ppl_Uint32_Box_widening_assign, 1640
ppl_Uint32_Box_widening_assign_with_tokens, 1640
ppl_Uint32_Box_wrap_assign, 1641
ppl_Uint32_Box_time_elapse_assign
ppl_Uint32_Box_tag, 1637
ppl_Uint32_Box_topological_closure_assign
ppl_Uint32_Box_tag, 1634
ppl_Uint32_Box_total_memory_in_bytes
ppl_Uint32_Box_tag, 1640
ppl_Uint32_Box_unconstrain_space_dimension
ppl_Uint32_Box_tag, 1637
ppl_Uint32_Box_unconstrain_space_dimensions
ppl_Uint32_Box_tag, 1637
ppl_Uint32_Box_upper_bound_assign
ppl_Uint32_Box_tag, 1637
ppl_Uint32_Box_upper_bound_assign_if_exact
ppl_Uint32_Box_tag, 1637
ppl_Uint32_Box_widening_assign
ppl_Uint32_Box_tag, 1640
ppl_Uint32_Box_widening_assign_with_tokens
ppl_Uint32_Box_tag, 1640
ppl_Uint32_Box_wrap_assign
ppl_Uint32_Box_tag, 1641
ppl_Uint64_Box_add_congruence
ppl_Uint64_Box_tag, 1661
ppl_Uint64_Box_add_congruences
ppl_Uint64_Box_tag, 1661
ppl_Uint64_Box_add_constraint
ppl_Uint64_Box_tag, 1661
ppl_Uint64_Box_add_constraints
ppl_Uint64_Box_tag, 1661
ppl_Uint64_Box_add_recycled_congruences
ppl_Uint64_Box_tag, 1666
ppl_Uint64_Box_add_recycled_constraints
ppl_Uint64_Box_tag, 1666
ppl_Uint64_Box_add_space_dimensions_and_embed
ppl_Uint64_Box_tag, 1664
ppl_Uint64_Box_add_space_dimensions_and_project
ppl_Uint64_Box_tag, 1664
ppl_Uint64_Box_affine_dimension
ppl_Uint64_Box_tag, 1658
ppl_Uint64_Box_affine_image
ppl_Uint64_Box_tag, 1663
ppl_Uint64_Box_affine_preimage
ppl_Uint64_Box_tag, 1663
ppl_Uint64_Box_ascii_dump
ppl_Uint64_Box_tag, 1668
ppl_Uint64_Box_ascii_load
ppl_Uint64_Box_tag, 1668
ppl_Uint64_Box_bounded_affine_image
ppl_Uint64_Box_tag, 1663
ppl_Uint64_Box_bounded_affine_preimage
ppl_Uint64_Box_tag, 1663
ppl_Uint64_Box_bounds_from_above
ppl_Uint64_Box_tag, 1659
ppl_Uint64_Box_bounds_from_below
ppl_Uint64_Box_tag, 1659
ppl_Uint64_Box_CC76_widening_assign
ppl_Uint64_Box_tag, 1665
ppl_Uint64_Box_CC76_widening_assign_with_tokens
ppl_Uint64_Box_tag, 1665
ppl_Uint64_Box_concatenate_assign
ppl_Uint64_Box_tag, 1662
ppl_Uint64_Box_constrains
ppl_Uint64_Box_tag, 1662
ppl_Uint64_Box_contains_integer_point
ppl_Uint64_Box_tag, 1659
ppl_Uint64_Box_contains_Uint64_Box

ppl_Uint64_Box_tag, 1660
ppl_Uint64_Box_difference_assign
ppl_Uint64_Box_tag, 1662
ppl_Uint64_Box_drop_some_non_integer_points
ppl_Uint64_Box_tag, 1664
ppl_Uint64_Box_drop_some_non_integer_points_-2
ppl_Uint64_Box_tag, 1665
ppl_Uint64_Box_equals_Uint64_Box
ppl_Uint64_Box_tag, 1661
ppl_Uint64_Box_expand_space_dimension
ppl_Uint64_Box_tag, 1664
ppl_Uint64_Box_external_memory_in_bytes
ppl_Uint64_Box_tag, 1665
ppl_Uint64_Box_fold_space_dimensions
ppl_Uint64_Box_tag, 1664
ppl_Uint64_Box_frequency
ppl_Uint64_Box_tag, 1660
ppl_Uint64_Box_generalized_affine_image
ppl_Uint64_Box_tag, 1663
ppl_Uint64_Box_generalized_affine_image_lhs_-rhs
ppl_Uint64_Box_tag, 1663
ppl_Uint64_Box_generalized_affine_preimage
ppl_Uint64_Box_tag, 1663
ppl_Uint64_Box_generalized_affine_preimage_-lhs_rhs
ppl_Uint64_Box_tag, 1664
ppl_Uint64_Box_get_congruences
ppl_Uint64_Box_tag, 1658
ppl_Uint64_Box_get_constraints
ppl_Uint64_Box_tag, 1658
ppl_Uint64_Box_get_minimized_congruences
ppl_Uint64_Box_tag, 1659
ppl_Uint64_Box_get_minimized_constraints
ppl_Uint64_Box_tag, 1658
ppl_Uint64_Box_intersection_assign
ppl_Uint64_Box_tag, 1662
ppl_Uint64_Box_is_bounded
ppl_Uint64_Box_tag, 1659
ppl_Uint64_Box_is_discrete
ppl_Uint64_Box_tag, 1659
ppl_Uint64_Box_is_disjoint_from_Uint64_Box
ppl_Uint64_Box_tag, 1660
ppl_Uint64_Box_is_empty
ppl_Uint64_Box_tag, 1659
ppl_Uint64_Box_is_topologically_closed
ppl_Uint64_Box_tag, 1659
ppl_Uint64_Box_is_universe
ppl_Uint64_Box_tag, 1659
ppl_Uint64_Box_limited_CC76_extrapolation_-assign
ppl_Uint64_Box_tag, 1665
ppl_Uint64_Box_limited_CC76_extrapolation_-assign_with_tokens
ppl_Uint64_Box_tag, 1665
ppl_Uint64_Box_linear_partition
ppl_Uint64_Box_tag, 1666
ppl_Uint64_Box_map_space_dimensions
ppl_Uint64_Box_tag, 1664
ppl_Uint64_Box_maximize
ppl_Uint64_Box_tag, 1660
ppl_Uint64_Box_maximize_with_point
ppl_Uint64_Box_tag, 1660
ppl_Uint64_Box_minimize
ppl_Uint64_Box_tag, 1660
ppl_Uint64_Box_minimize_with_point
ppl_Uint64_Box_tag, 1660
ppl_Uint64_Box_OK
ppl_Uint64_Box_tag, 1661
ppl_Uint64_Box_refine_with_congruence
ppl_Uint64_Box_tag, 1661
ppl_Uint64_Box_refine_with_congruences
ppl_Uint64_Box_tag, 1661
ppl_Uint64_Box_refine_with_constraint
ppl_Uint64_Box_tag, 1661
ppl_Uint64_Box_refine_with_constraints
ppl_Uint64_Box_tag, 1661
ppl_Uint64_Box_relation_with_Congruence
ppl_Uint64_Box_tag, 1658
ppl_Uint64_Box_relation_with_Constraint
ppl_Uint64_Box_tag, 1658
ppl_Uint64_Box_relation_with_Generator
ppl_Uint64_Box_tag, 1658
ppl_Uint64_Box_remove_higher_space_-dimensions
ppl_Uint64_Box_tag, 1664
ppl_Uint64_Box_remove_space_dimensions
ppl_Uint64_Box_tag, 1664
ppl_Uint64_Box_simplify_using_context_assign
ppl_Uint64_Box_tag, 1662
ppl_Uint64_Box_space_dimension
ppl_Uint64_Box_tag, 1658
ppl_Uint64_Box_strictly_contains_Uint64_Box
ppl_Uint64_Box_tag, 1660
ppl_Uint64_Box_tag, 1643
ppl_all_affine_ranking_functions_MS_-Uint64_Box, 1667
ppl_all_affine_ranking_functions_MS_-Uint64_Box_2, 1668
ppl_all_affine_ranking_functions_PR_-Uint64_Box, 1667
ppl_all_affine_ranking_functions_PR_-Uint64_Box_2, 1668
ppl_assign_Uint64_Box_from_Uint64_Box, 1666
ppl_delete_Uint64_Box, 1649

ppl_io_asprint_Uint64_Box, 1668
ppl_io_fprint_Uint64_Box, 1668
ppl_io_print_Uint64_Box, 1668
ppl_new_Uint64_Box_from_BD_Shape_-double, 1653
ppl_new_Uint64_Box_from_BD_Shape_-double_with_complexity, 1657
ppl_new_Uint64_Box_from_BD_Shape_float, 1652
ppl_new_Uint64_Box_from_BD_Shape_-float_with_complexity, 1656
ppl_new_Uint64_Box_from_BD_Shape_-int16_t, 1651
ppl_new_Uint64_Box_from_BD_Shape_-int16_t_with_complexity, 1655
ppl_new_Uint64_Box_from_BD_Shape_-int32_t, 1651
ppl_new_Uint64_Box_from_BD_Shape_-int32_t_with_complexity, 1655
ppl_new_Uint64_Box_from_BD_Shape_-int64_t, 1651
ppl_new_Uint64_Box_from_BD_Shape_-int64_t_with_complexity, 1655
ppl_new_Uint64_Box_from_BD_Shape_-int8_t, 1651
ppl_new_Uint64_Box_from_BD_Shape_-int8_t_with_complexity, 1654
ppl_new_Uint64_Box_from_BD_Shape_-long_double, 1653
ppl_new_Uint64_Box_from_BD_Shape_-long_double_with_complexity, 1657
ppl_new_Uint64_Box_from_BD_Shape_-mpq_class, 1651
ppl_new_Uint64_Box_from_BD_Shape_-mpq_class_with_complexity, 1655
ppl_new_Uint64_Box_from_BD_Shape_-mpz_class, 1651
ppl_new_Uint64_Box_from_BD_Shape_-mpz_class_with_complexity, 1655
ppl_new_Uint64_Box_from_C_Polyhedron, 1652
ppl_new_Uint64_Box_from_C_Polyhedron_-with_complexity, 1656
ppl_new_Uint64_Box_from_Congruence_-System, 1657
ppl_new_Uint64_Box_from_Constraint_-System, 1657
ppl_new_Uint64_Box_from_Double_Box, 1653
ppl_new_Uint64_Box_from_Double_Box_-with_complexity, 1657
ppl_new_Uint64_Box_from_Float_Box, 1652
ppl_new_Uint64_Box_from_Float_Box_-with_complexity, 1656
ppl_new_Uint64_Box_from_Generator_-System, 1658
ppl_new_Uint64_Box_from_Grid, 1652
ppl_new_Uint64_Box_from_Grid_with_-complexity, 1656
ppl_new_Uint64_Box_from_Int16_Box, 1650
ppl_new_Uint64_Box_from_Int16_Box_-with_complexity, 1653
ppl_new_Uint64_Box_from_Int32_Box, 1650
ppl_new_Uint64_Box_from_Int32_Box_-with_complexity, 1654
ppl_new_Uint64_Box_from_Int64_Box, 1650
ppl_new_Uint64_Box_from_Int64_Box_-with_complexity, 1654
ppl_new_Uint64_Box_from_Int8_Box, 1650
ppl_new_Uint64_Box_from_Int8_Box_with_-complexity, 1653
ppl_new_Uint64_Box_from_Long_Double_-Box, 1653
ppl_new_Uint64_Box_from_Long_Double_-Box_with_complexity, 1657
ppl_new_Uint64_Box_from_NNC_-Polyhedron, 1652
ppl_new_Uint64_Box_from_NNC_-Polyhedron_with_complexity, 1656
ppl_new_Uint64_Box_from_Octagonal_-Shape_double, 1653
ppl_new_Uint64_Box_from_Octagonal_-Shape_double_with_complexity, 1657
ppl_new_Uint64_Box_from_Octagonal_-Shape_float, 1653
ppl_new_Uint64_Box_from_Octagonal_-Shape_float_with_complexity, 1656
ppl_new_Uint64_Box_from_Octagonal_-Shape_int16_t, 1651
ppl_new_Uint64_Box_from_Octagonal_-Shape_int16_t_with_complexity, 1655
ppl_new_Uint64_Box_from_Octagonal_-Shape_int32_t, 1652
ppl_new_Uint64_Box_from_Octagonal_-Shape_int32_t_with_complexity, 1655
ppl_new_Uint64_Box_from_Octagonal_-Shape_int64_t, 1652
ppl_new_Uint64_Box_from_Octagonal_-Shape_int64_t_with_complexity, 1656
ppl_new_Uint64_Box_from_Octagonal_-Shape_int8_t, 1651
ppl_new_Uint64_Box_from_Octagonal_-Shape_int8_t_with_complexity, 1655
ppl_new_Uint64_Box_from_Octagonal_-Shape_long_double, 1653
ppl_new_Uint64_Box_from_Octagonal_-Shape_long_double_with_complexity, 1657

ppl_new_Uint64_Box_from_Octagonal_-
Shape_mpq_class, 1652
ppl_new_Uint64_Box_from_Octagonal_-
Shape_mpq_class_with_complexity,
1656
ppl_new_Uint64_Box_from_Octagonal_-
Shape_mpz_class, 1652
ppl_new_Uint64_Box_from_Octagonal_-
Shape_mpz_class_with_complexity,
1656
ppl_new_Uint64_Box_from_Rational_Box,
1651
ppl_new_Uint64_Box_from_Rational_Box_-
with_complexity, 1654
ppl_new_Uint64_Box_from_space_-
dimension, 1649
ppl_new_Uint64_Box_from_Uint16_Box,
1650
ppl_new_Uint64_Box_from_Uint16_Box_-
with_complexity, 1654
ppl_new_Uint64_Box_from_Uint32_Box,
1650
ppl_new_Uint64_Box_from_Uint32_Box_-
with_complexity, 1654
ppl_new_Uint64_Box_from_Uint64_Box,
1650
ppl_new_Uint64_Box_from_Uint64_Box_-
with_complexity, 1654
ppl_new_Uint64_Box_from_Uint8_Box, 1650
ppl_new_Uint64_Box_from_Uint8_Box_-
with_complexity, 1654
ppl_new_Uint64_Box_from_Z_Box, 1650
ppl_new_Uint64_Box_from_Z_Box_with_-
complexity, 1654
ppl_new_Uint64_Box_recycle_Congruence_-
System, 1666
ppl_new_Uint64_Box_recycle_Constraint_-
System, 1666
ppl_new_Uint64_Box_recycle_Generator_-
System, 1666
ppl_one_affine_ranking_function_MS_-
Uint64_Box, 1667
ppl_one_affine_ranking_function_MS_-
Uint64_Box_2, 1667
ppl_one_affine_ranking_function_PR_-
Uint64_Box, 1667
ppl_one_affine_ranking_function_PR_-
Uint64_Box_2, 1667
ppl_termination_test_MS_Uint64_Box, 1666
ppl_termination_test_MS_Uint64_Box_2,
1667
ppl_termination_test_PR_Uint64_Box, 1667
ppl_termination_test_PR_Uint64_Box_2,
1667
ppl_Uint64_Box_add_congruence, 1661
ppl_Uint64_Box_add_congruences, 1661
ppl_Uint64_Box_add_constraint, 1661
ppl_Uint64_Box_add_constraints, 1661
ppl_Uint64_Box_add_recycled_congruences,
1666
ppl_Uint64_Box_add_recycled_constraints,
1666
ppl_Uint64_Box_add_space_dimensions_-
and_embed, 1664
ppl_Uint64_Box_add_space_dimensions_-
and_project, 1664
ppl_Uint64_Box_affine_dimension, 1658
ppl_Uint64_Box_affine_image, 1663
ppl_Uint64_Box_affine_preimage, 1663
ppl_Uint64_Box_ascii_dump, 1668
ppl_Uint64_Box_ascii_load, 1668
ppl_Uint64_Box_bounded_affine_image,
1663
ppl_Uint64_Box_bounded_affine_preimage,
1663
ppl_Uint64_Box_bounds_from_above, 1659
ppl_Uint64_Box_bounds_from_below, 1659
ppl_Uint64_Box_CC76_widening_assign,
1665
ppl_Uint64_Box_CC76_widening_assign_-
with_tokens, 1665
ppl_Uint64_Box_concatenate_assign, 1662
ppl_Uint64_Box_constrains, 1662
ppl_Uint64_Box_contains_integer_point,
1659
ppl_Uint64_Box_contains_Uint64_Box, 1660
ppl_Uint64_Box_difference_assign, 1662
ppl_Uint64_Box_drop_some_non_integer_-
points, 1664
ppl_Uint64_Box_drop_some_non_integer_-
points_2, 1665
ppl_Uint64_Box_equals_Uint64_Box, 1661
ppl_Uint64_Box_expand_space_dimension,
1664
ppl_Uint64_Box_external_memory_in_bytes,
1665
ppl_Uint64_Box_fold_space_dimensions,
1664
ppl_Uint64_Box_frequency, 1660
ppl_Uint64_Box_generalized_affine_image,
1663
ppl_Uint64_Box_generalized_affine_image_-
lhs_rhs, 1663
ppl_Uint64_Box_generalized_affine_-
preimage, 1663
ppl_Uint64_Box_generalized_affine_-
preimage_lhs_rhs, 1664
ppl_Uint64_Box_get_congruences, 1658

ppl_Uint64_Box_get_constraints, 1658
ppl_Uint64_Box_get_minimized_congruences, 1659
ppl_Uint64_Box_get_minimized_constraints, 1658
ppl_Uint64_Box_intersection_assign, 1662
ppl_Uint64_Box_is_bounded, 1659
ppl_Uint64_Box_is_discrete, 1659
ppl_Uint64_Box_is_disjoint_from_Uint64_Box, 1660
ppl_Uint64_Box_is_empty, 1659
ppl_Uint64_Box_is_topologically_closed, 1659
ppl_Uint64_Box_is_universe, 1659
ppl_Uint64_Box_limited_CC76_extrapolation_assign, 1665
ppl_Uint64_Box_limited_CC76_extrapolation_assign_with_tokens, 1665
ppl_Uint64_Box_linear_partition, 1666
ppl_Uint64_Box_map_space_dimensions, 1664
ppl_Uint64_Box_maximize, 1660
ppl_Uint64_Box_maximize_with_point, 1660
ppl_Uint64_Box_minimize, 1660
ppl_Uint64_Box_minimize_with_point, 1660
ppl_Uint64_Box_OK, 1661
ppl_Uint64_Box_refine_with_congruence, 1661
ppl_Uint64_Box_refine_with_congruences, 1661
ppl_Uint64_Box_refine_with_constraint, 1661
ppl_Uint64_Box_refine_with_constraints, 1661
ppl_Uint64_Box_relation_with_Congruence, 1658
ppl_Uint64_Box_relation_with_Constraint, 1658
ppl_Uint64_Box_relation_with_Generator, 1658
ppl_Uint64_Box_remove_higher_space_dimensions, 1664
ppl_Uint64_Box_remove_space_dimensions, 1664
ppl_Uint64_Box_simplify_using_context_assign, 1662
ppl_Uint64_Box_space_dimension, 1658
ppl_Uint64_Box_strictly_contains_Uint64_Box, 1660
ppl_Uint64_Box_time_elapse_assign, 1662
ppl_Uint64_Box_topological_closure_assign, 1659
ppl_Uint64_Box_total_memory_in_bytes, 1665
ppl_Uint64_Box_unconstrain_space_dimension, 1662
ppl_Uint64_Box_unconstrain_space_dimensions, 1663
ppl_Uint64_Box_upper_bound_assign, 1662
ppl_Uint64_Box_upper_bound_assign_if_exact, 1662
ppl_Uint64_Box_widening_assign, 1665
ppl_Uint64_Box_widening_assign_with_tokens, 1665
ppl_Uint64_Box_wrap_assign, 1666
ppl_Uint64_Box_time_elapse_assign
ppl_Uint64_Box_tag, 1662
ppl_Uint64_Box_topological_closure_assign
ppl_Uint64_Box_tag, 1659
ppl_Uint64_Box_total_memory_in_bytes
ppl_Uint64_Box_tag, 1665
ppl_Uint64_Box_unconstrain_space_dimension
ppl_Uint64_Box_tag, 1662
ppl_Uint64_Box_unconstrain_space_dimensions
ppl_Uint64_Box_tag, 1663
ppl_Uint64_Box_upper_bound_assign
ppl_Uint64_Box_tag, 1662
ppl_Uint64_Box_upper_bound_assign_if_exact
ppl_Uint64_Box_tag, 1662
ppl_Uint64_Box_widening_assign
ppl_Uint64_Box_tag, 1665
ppl_Uint64_Box_widening_assign_with_tokens
ppl_Uint64_Box_tag, 1665
ppl_Uint64_Box_wrap_assign
ppl_Uint64_Box_tag, 1666
ppl_Uint8_Box_add_congruence
ppl_Uint8_Box_tag, 1685
ppl_Uint8_Box_add_congruences
ppl_Uint8_Box_tag, 1686
ppl_Uint8_Box_add_constraint
ppl_Uint8_Box_tag, 1685
ppl_Uint8_Box_add_constraints
ppl_Uint8_Box_tag, 1686
ppl_Uint8_Box_add_recycled_congruences
ppl_Uint8_Box_tag, 1691
ppl_Uint8_Box_add_recycled_constraints
ppl_Uint8_Box_tag, 1691
ppl_Uint8_Box_add_space_dimensions_and_embed
ppl_Uint8_Box_tag, 1688
ppl_Uint8_Box_add_space_dimensions_and_project
ppl_Uint8_Box_tag, 1688
ppl_Uint8_Box_affine_dimension
ppl_Uint8_Box_tag, 1683
ppl_Uint8_Box_affine_image
ppl_Uint8_Box_tag, 1687
ppl_Uint8_Box_affine_preimage

ppl_Uint8_Box_tag, 1687
ppl_Uint8_Box_ascii_dump
ppl_Uint8_Box_tag, 1693
ppl_Uint8_Box_ascii_load
ppl_Uint8_Box_tag, 1693
ppl_Uint8_Box_bounded_affine_image
ppl_Uint8_Box_tag, 1688
ppl_Uint8_Box_bounded_affine_preimage
ppl_Uint8_Box_tag, 1688
ppl_Uint8_Box_bounds_from_above
ppl_Uint8_Box_tag, 1684
ppl_Uint8_Box_bounds_from_below
ppl_Uint8_Box_tag, 1684
ppl_Uint8_Box_CC76_widening_assign
ppl_Uint8_Box_tag, 1690
ppl_Uint8_Box_CC76_widening_assign_with_-
tokens
ppl_Uint8_Box_tag, 1690
ppl_Uint8_Box_concatenate_assign
ppl_Uint8_Box_tag, 1687
ppl_Uint8_Box_constrains
ppl_Uint8_Box_tag, 1687
ppl_Uint8_Box_contains_integer_point
ppl_Uint8_Box_tag, 1684
ppl_Uint8_Box_contains_Uint8_Box
ppl_Uint8_Box_tag, 1685
ppl_Uint8_Box_difference_assign
ppl_Uint8_Box_tag, 1686
ppl_Uint8_Box_drop_some_non_integer_points
ppl_Uint8_Box_tag, 1689
ppl_Uint8_Box_drop_some_non_integer_points_2
ppl_Uint8_Box_tag, 1689
ppl_Uint8_Box_equals_Uint8_Box
ppl_Uint8_Box_tag, 1685
ppl_Uint8_Box_expand_space_dimension
ppl_Uint8_Box_tag, 1689
ppl_Uint8_Box_external_memory_in_bytes
ppl_Uint8_Box_tag, 1689
ppl_Uint8_Box_fold_space_dimensions
ppl_Uint8_Box_tag, 1689
ppl_Uint8_Box_frequency
ppl_Uint8_Box_tag, 1685
ppl_Uint8_Box_generalized_affine_image
ppl_Uint8_Box_tag, 1688
ppl_Uint8_Box_generalized_affine_image_lhs_rhs
ppl_Uint8_Box_tag, 1688
ppl_Uint8_Box_generalized_affine_preimage
ppl_Uint8_Box_tag, 1688
ppl_Uint8_Box_generalized_affine_preimage_-
lhs_rhs
ppl_Uint8_Box_tag, 1688
ppl_Uint8_Box_get_congruences
ppl_Uint8_Box_tag, 1683
ppl_Uint8_Box_get_constraints
ppl_Uint8_Box_tag, 1683
ppl_Uint8_Box_get_minimized_congruences
ppl_Uint8_Box_tag, 1683
ppl_Uint8_Box_get_minimized_constraints
ppl_Uint8_Box_tag, 1683
ppl_Uint8_Box_intersection_assign
ppl_Uint8_Box_tag, 1686
ppl_Uint8_Box_is_bounded
ppl_Uint8_Box_tag, 1684
ppl_Uint8_Box_is_discrete
ppl_Uint8_Box_tag, 1684
ppl_Uint8_Box_is_disjoint_from_Uint8_Box
ppl_Uint8_Box_tag, 1685
ppl_Uint8_Box_is_empty
ppl_Uint8_Box_tag, 1683
ppl_Uint8_Box_is_topologically_closed
ppl_Uint8_Box_tag, 1684
ppl_Uint8_Box_is_universe
ppl_Uint8_Box_tag, 1683
ppl_Uint8_Box_limited_CC76_extrapolation_-
assign
ppl_Uint8_Box_tag, 1690
ppl_Uint8_Box_limited_CC76_extrapolation_-
assign_with_tokens
ppl_Uint8_Box_tag, 1690
ppl_Uint8_Box_linear_partition
ppl_Uint8_Box_tag, 1690
ppl_Uint8_Box_map_space_dimensions
ppl_Uint8_Box_tag, 1689
ppl_Uint8_Box_maximize
ppl_Uint8_Box_tag, 1684
ppl_Uint8_Box_maximize_with_point
ppl_Uint8_Box_tag, 1684
ppl_Uint8_Box_minimize
ppl_Uint8_Box_tag, 1684
ppl_Uint8_Box_minimize_with_point
ppl_Uint8_Box_tag, 1685
ppl_Uint8_Box_OK
ppl_Uint8_Box_tag, 1685
ppl_Uint8_Box_refine_with_congruence
ppl_Uint8_Box_tag, 1686
ppl_Uint8_Box_refine_with_congruences
ppl_Uint8_Box_tag, 1686
ppl_Uint8_Box_refine_with_constraint
ppl_Uint8_Box_tag, 1686
ppl_Uint8_Box_refine_with_constraints
ppl_Uint8_Box_tag, 1686
ppl_Uint8_Box_relation_with_Congruence
ppl_Uint8_Box_tag, 1683
ppl_Uint8_Box_relation_with_Constraint
ppl_Uint8_Box_tag, 1683
ppl_Uint8_Box_relation_with_Generator
ppl_Uint8_Box_tag, 1683
ppl_Uint8_Box_remove_higher_space_dimensions

ppl_Uint8_Box_tag, 1689
ppl_Uint8_Box_remove_space_dimensions
ppl_Uint8_Box_tag, 1689
ppl_Uint8_Box_simplify_using_context_assign
ppl_Uint8_Box_tag, 1687
ppl_Uint8_Box_space_dimension
ppl_Uint8_Box_tag, 1682
ppl_Uint8_Box_strictly_contains_Uint8_Box
ppl_Uint8_Box_tag, 1685
ppl_Uint8_Box_tag, 1668
ppl_all_affine_ranking_functions_MS_-Uint8_Box, 1692
ppl_all_affine_ranking_functions_MS_-Uint8_Box_2, 1692
ppl_all_affine_ranking_functions_PR_Uint8_-Box, 1692
ppl_all_affine_ranking_functions_PR_Uint8_-Box_2, 1692
ppl_assign_Uint8_Box_from_Uint8_Box, 1691
ppl_delete_Uint8_Box, 1674
ppl_io_asprint_Uint8_Box, 1693
ppl_io_fprint_Uint8_Box, 1693
ppl_io_print_Uint8_Box, 1693
ppl_new_Uint8_Box_from_BD_Shape_-double, 1678
ppl_new_Uint8_Box_from_BD_Shape_-double_with_complexity, 1682
ppl_new_Uint8_Box_from_BD_Shape_float, 1677
ppl_new_Uint8_Box_from_BD_Shape_-float_with_complexity, 1681
ppl_new_Uint8_Box_from_BD_Shape_-int16_t, 1676
ppl_new_Uint8_Box_from_BD_Shape_-int16_t_with_complexity, 1679
ppl_new_Uint8_Box_from_BD_Shape_-int32_t, 1676
ppl_new_Uint8_Box_from_BD_Shape_-int32_t_with_complexity, 1680
ppl_new_Uint8_Box_from_BD_Shape_-int64_t, 1676
ppl_new_Uint8_Box_from_BD_Shape_-int64_t_with_complexity, 1680
ppl_new_Uint8_Box_from_BD_Shape_int8_t, 1676
ppl_new_Uint8_Box_from_BD_Shape_int8_-t_with_complexity, 1679
ppl_new_Uint8_Box_from_BD_Shape_-long_double, 1678
ppl_new_Uint8_Box_from_BD_Shape_-long_double_with_complexity, 1682
ppl_new_Uint8_Box_from_BD_Shape_-mpq_class, 1676
ppl_new_Uint8_Box_from_BD_Shape_-mpq_class_with_complexity, 1680
ppl_new_Uint8_Box_from_BD_Shape_mpz_-class, 1676
ppl_new_Uint8_Box_from_BD_Shape_mpz_-class_with_complexity, 1680
ppl_new_Uint8_Box_from_C_Polyhedron, 1677
ppl_new_Uint8_Box_from_C_Polyhedron_-with_complexity, 1681
ppl_new_Uint8_Box_from_Congruence_-System, 1682
ppl_new_Uint8_Box_from_Constraint_-System, 1682
ppl_new_Uint8_Box_from_Double_Box, 1678
ppl_new_Uint8_Box_from_Double_Box_-with_complexity, 1681
ppl_new_Uint8_Box_from_Float_Box, 1677
ppl_new_Uint8_Box_from_Float_Box_with_-complexity, 1681
ppl_new_Uint8_Box_from_Generator_-System, 1682
ppl_new_Uint8_Box_from_Grid, 1677
ppl_new_Uint8_Box_from_Grid_with_-complexity, 1681
ppl_new_Uint8_Box_from_Int16_Box, 1675
ppl_new_Uint8_Box_from_Int16_Box_with_-complexity, 1678
ppl_new_Uint8_Box_from_Int32_Box, 1675
ppl_new_Uint8_Box_from_Int32_Box_with_-complexity, 1678
ppl_new_Uint8_Box_from_Int64_Box, 1675
ppl_new_Uint8_Box_from_Int64_Box_with_-complexity, 1679
ppl_new_Uint8_Box_from_Int8_Box, 1674
ppl_new_Uint8_Box_from_Int8_Box_with_-complexity, 1678
ppl_new_Uint8_Box_from_Long_Double_-Box, 1678
ppl_new_Uint8_Box_from_Long_Double_-Box_with_complexity, 1682
ppl_new_Uint8_Box_from_NNC_-Polyhedron, 1677
ppl_new_Uint8_Box_from_NNC_-Polyhedron_with_complexity, 1681
ppl_new_Uint8_Box_from_Octagonal_-Shape_double, 1678
ppl_new_Uint8_Box_from_Octagonal_-Shape_double_with_complexity, 1682
ppl_new_Uint8_Box_from_Octagonal_-Shape_float, 1677
ppl_new_Uint8_Box_from_Octagonal_-Shape_float_with_complexity, 1681

ppl_new_Uint8_Box_from_Octagonal_-
Shape_int16_t, 1676
ppl_new_Uint8_Box_from_Octagonal_-
Shape_int16_t_with_complexity, 1680
ppl_new_Uint8_Box_from_Octagonal_-
Shape_int32_t, 1676
ppl_new_Uint8_Box_from_Octagonal_-
Shape_int32_t_with_complexity, 1680
ppl_new_Uint8_Box_from_Octagonal_-
Shape_int64_t, 1677
ppl_new_Uint8_Box_from_Octagonal_-
Shape_int64_t_with_complexity, 1680
ppl_new_Uint8_Box_from_Octagonal_-
Shape_int8_t, 1676
ppl_new_Uint8_Box_from_Octagonal_-
Shape_int8_t_with_complexity, 1680
ppl_new_Uint8_Box_from_Octagonal_-
Shape_long_double, 1678
ppl_new_Uint8_Box_from_Octagonal_-
Shape_long_double_with_complexity,
1682
ppl_new_Uint8_Box_from_Octagonal_-
Shape_mpq_class, 1677
ppl_new_Uint8_Box_from_Octagonal_-
Shape_mpq_class_with_complexity,
1681
ppl_new_Uint8_Box_from_Octagonal_-
Shape_mpz_class, 1677
ppl_new_Uint8_Box_from_Octagonal_-
Shape_mpz_class_with_complexity,
1681
ppl_new_Uint8_Box_from_Rational_Box,
1675
ppl_new_Uint8_Box_from_Rational_Box_-
with_complexity, 1679
ppl_new_Uint8_Box_from_space_dimension,
1674
ppl_new_Uint8_Box_from_Uint16_Box, 1675
ppl_new_Uint8_Box_from_Uint16_Box_-
with_complexity, 1679
ppl_new_Uint8_Box_from_Uint32_Box, 1675
ppl_new_Uint8_Box_from_Uint32_Box_-
with_complexity, 1679
ppl_new_Uint8_Box_from_Uint64_Box, 1675
ppl_new_Uint8_Box_from_Uint64_Box_-
with_complexity, 1679
ppl_new_Uint8_Box_from_Uint8_Box, 1675
ppl_new_Uint8_Box_from_Uint8_Box_-
with_complexity, 1679
ppl_new_Uint8_Box_from_Z_Box, 1675
ppl_new_Uint8_Box_from_Z_Box_with_-
complexity, 1679
ppl_new_Uint8_Box_recycle_Congruence_-
System, 1691
ppl_new_Uint8_Box_recycle_Constraint_-
System, 1691
ppl_new_Uint8_Box_recycle_Generator_-
System, 1691
ppl_one_affine_ranking_function_MS_-
Uint8_Box, 1691
ppl_one_affine_ranking_function_MS_-
Uint8_Box_2, 1692
ppl_one_affine_ranking_function_PR_Uint8_-
Box, 1692
ppl_one_affine_ranking_function_PR_Uint8_-
Box_2, 1692
ppl_termination_test_MS_Uint8_Box, 1691
ppl_termination_test_MS_Uint8_Box_2, 1692
ppl_termination_test_PR_Uint8_Box, 1691
ppl_termination_test_PR_Uint8_Box_2, 1692
ppl_Uint8_Box_add_congruence, 1685
ppl_Uint8_Box_add_congruences, 1686
ppl_Uint8_Box_add_constraint, 1685
ppl_Uint8_Box_add_constraints, 1686
ppl_Uint8_Box_add_recycled_congruences,
1691
ppl_Uint8_Box_add_recycled_constraints,
1691
ppl_Uint8_Box_add_space_dimensions_and_-
embed, 1688
ppl_Uint8_Box_add_space_dimensions_and_-
project, 1688
ppl_Uint8_Box_affine_dimension, 1683
ppl_Uint8_Box_affine_image, 1687
ppl_Uint8_Box_affine_preimage, 1687
ppl_Uint8_Box_ascii_dump, 1693
ppl_Uint8_Box_ascii_load, 1693
ppl_Uint8_Box_bounded_affine_image, 1688
ppl_Uint8_Box_bounded_affine_preimage,
1688
ppl_Uint8_Box_bounds_from_above, 1684
ppl_Uint8_Box_bounds_from_below, 1684
ppl_Uint8_Box_CC76_widening_assign,
1690
ppl_Uint8_Box_CC76_widening_assign_-
with_tokens, 1690
ppl_Uint8_Box_concatenate_assign, 1687
ppl_Uint8_Box_constrains, 1687
ppl_Uint8_Box_contains_integer_point, 1684
ppl_Uint8_Box_contains_Uint8_Box, 1685
ppl_Uint8_Box_difference_assign, 1686
ppl_Uint8_Box_drop_some_non_integer_-
points, 1689
ppl_Uint8_Box_drop_some_non_integer_-
points_2, 1689
ppl_Uint8_Box_equals_Uint8_Box, 1685
ppl_Uint8_Box_expand_space_dimension,
1689

ppl_Uint8_Box_external_memory_in_bytes, 1689
ppl_Uint8_Box_fold_space_dimensions, 1689
ppl_Uint8_Box_frequency, 1685
ppl_Uint8_Box_generalized_affine_image, 1688
ppl_Uint8_Box_generalized_affine_image_lhs_rhs, 1688
ppl_Uint8_Box_generalized_affine_preimage, 1688
ppl_Uint8_Box_generalized_affine_preimage_lhs_rhs, 1688
ppl_Uint8_Box_get_congruences, 1683
ppl_Uint8_Box_get_constraints, 1683
ppl_Uint8_Box_get_minimized_congruences, 1683
ppl_Uint8_Box_get_minimized_constraints, 1683
ppl_Uint8_Box_intersection_assign, 1686
ppl_Uint8_Box_is_bounded, 1684
ppl_Uint8_Box_is_discrete, 1684
ppl_Uint8_Box_is_disjoint_from_Uint8_Box, 1685
ppl_Uint8_Box_is_empty, 1683
ppl_Uint8_Box_is_topologically_closed, 1684
ppl_Uint8_Box_is_universe, 1683
ppl_Uint8_Box_limited_CC76_extrapolation_assign, 1690
ppl_Uint8_Box_limited_CC76_extrapolation_assign_with_tokens, 1690
ppl_Uint8_Box_linear_partition, 1690
ppl_Uint8_Box_map_space_dimensions, 1689
ppl_Uint8_Box_maximize, 1684
ppl_Uint8_Box_maximize_with_point, 1684
ppl_Uint8_Box_minimize, 1684
ppl_Uint8_Box_minimize_with_point, 1685
ppl_Uint8_Box_OK, 1685
ppl_Uint8_Box_refine_with_congruence, 1686
ppl_Uint8_Box_refine_with_congruences, 1686
ppl_Uint8_Box_refine_with_constraint, 1686
ppl_Uint8_Box_refine_with_constraints, 1686
ppl_Uint8_Box_relation_with_Congruence, 1683
ppl_Uint8_Box_relation_with_Constraint, 1683
ppl_Uint8_Box_relation_with_Generator, 1683
ppl_Uint8_Box_remove_higher_space_dimensions, 1689
ppl_Uint8_Box_remove_space_dimensions, 1689
ppl_Uint8_Box_simplify_using_context_assign, 1687
ppl_Uint8_Box_space_dimension, 1682
ppl_Uint8_Box_strictly_contains_Uint8_Box, 1685
ppl_Uint8_Box_time_elapse_assign, 1687
ppl_Uint8_Box_topological_closure_assign, 1684
ppl_Uint8_Box_total_memory_in_bytes, 1689
ppl_Uint8_Box_unconstrain_space_dimension, 1687
ppl_Uint8_Box_unconstrain_space_dimensions, 1687
ppl_Uint8_Box_upper_bound_assign, 1686
ppl_Uint8_Box_upper_bound_assign_if_exact, 1687
ppl_Uint8_Box_widening_assign, 1690
ppl_Uint8_Box_widening_assign_with_tokens, 1690
ppl_Uint8_Box_wrap_assign, 1690
ppl_Uint8_Box_time_elapse_assign
ppl_Uint8_Box_tag, 1687
ppl_Uint8_Box_topological_closure_assign
ppl_Uint8_Box_tag, 1684
ppl_Uint8_Box_total_memory_in_bytes
ppl_Uint8_Box_tag, 1689
ppl_Uint8_Box_unconstrain_space_dimension
ppl_Uint8_Box_tag, 1687
ppl_Uint8_Box_unconstrain_space_dimensions
ppl_Uint8_Box_tag, 1687
ppl_Uint8_Box_upper_bound_assign
ppl_Uint8_Box_tag, 1686
ppl_Uint8_Box_upper_bound_assign_if_exact
ppl_Uint8_Box_tag, 1687
ppl_Uint8_Box_widening_assign
ppl_Uint8_Box_tag, 1690
ppl_Uint8_Box_widening_assign_with_tokens
ppl_Uint8_Box_tag, 1690
ppl_Uint8_Box_wrap_assign
ppl_Uint8_Box_tag, 1690
PPL_VERSION
Version, 28
ppl_Z_Box_add_congruence
ppl_Z_Box_tag, 1710
ppl_Z_Box_add_congruences
ppl_Z_Box_tag, 1710
ppl_Z_Box_add_constraint
ppl_Z_Box_tag, 1709
ppl_Z_Box_add_constraints
ppl_Z_Box_tag, 1710
ppl_Z_Box_add_recycled_congruences
ppl_Z_Box_tag, 1715
ppl_Z_Box_add_recycled_constraints
ppl_Z_Box_tag, 1715

ppl_Z_Box_add_space_dimensions_and_embed
ppl_Z_Box_tag, 1712
ppl_Z_Box_add_space_dimensions_and_project
ppl_Z_Box_tag, 1712
ppl_Z_Box_affine_dimension
ppl_Z_Box_tag, 1707
ppl_Z_Box_affine_image
ppl_Z_Box_tag, 1711
ppl_Z_Box_affine_preimage
ppl_Z_Box_tag, 1711
ppl_Z_Box_ascii_dump
ppl_Z_Box_tag, 1717
ppl_Z_Box_ascii_load
ppl_Z_Box_tag, 1717
ppl_Z_Box_bounded_affine_image
ppl_Z_Box_tag, 1712
ppl_Z_Box_bounded_affine_preimage
ppl_Z_Box_tag, 1712
ppl_Z_Box_bounds_from_above
ppl_Z_Box_tag, 1708
ppl_Z_Box_bounds_from_below
ppl_Z_Box_tag, 1708
ppl_Z_Box_CC76_widening_assign
ppl_Z_Box_tag, 1714
ppl_Z_Box_CC76_widening_assign_with_tokens
ppl_Z_Box_tag, 1714
ppl_Z_Box_concatenate_assign
ppl_Z_Box_tag, 1711
ppl_Z_Box_constrains
ppl_Z_Box_tag, 1711
ppl_Z_Box_contains_integer_point
ppl_Z_Box_tag, 1708
ppl_Z_Box_contains_Z_Box
ppl_Z_Box_tag, 1709
ppl_Z_Box_difference_assign
ppl_Z_Box_tag, 1711
ppl_Z_Box_drop_some_non_integer_points
ppl_Z_Box_tag, 1713
ppl_Z_Box_drop_some_non_integer_points_2
ppl_Z_Box_tag, 1713
ppl_Z_Box_equals_Z_Box
ppl_Z_Box_tag, 1709
ppl_Z_Box_expand_space_dimension
ppl_Z_Box_tag, 1713
ppl_Z_Box_external_memory_in_bytes
ppl_Z_Box_tag, 1713
ppl_Z_Box_fold_space_dimensions
ppl_Z_Box_tag, 1713
ppl_Z_Box_frequency
ppl_Z_Box_tag, 1709
ppl_Z_Box_generalized_affine_image
ppl_Z_Box_tag, 1712
ppl_Z_Box_generalized_affine_image_lhs_rhs
ppl_Z_Box_tag, 1712
ppl_Z_Box_generalized_affine_preimage
ppl_Z_Box_tag, 1712
ppl_Z_Box_generalized_affine_preimage_lhs_rhs
ppl_Z_Box_tag, 1712
ppl_Z_Box_get_congruences
ppl_Z_Box_tag, 1707
ppl_Z_Box_get_constraints
ppl_Z_Box_tag, 1707
ppl_Z_Box_get_minimized_congruences
ppl_Z_Box_tag, 1707
ppl_Z_Box_get_minimized_constraints
ppl_Z_Box_tag, 1707
ppl_Z_Box_intersection_assign
ppl_Z_Box_tag, 1710
ppl_Z_Box_is_bounded
ppl_Z_Box_tag, 1708
ppl_Z_Box_is_discrete
ppl_Z_Box_tag, 1708
ppl_Z_Box_is_disjoint_from_Z_Box
ppl_Z_Box_tag, 1709
ppl_Z_Box_is_empty
ppl_Z_Box_tag, 1708
ppl_Z_Box_is_topologically_closed
ppl_Z_Box_tag, 1708
ppl_Z_Box_is_universe
ppl_Z_Box_tag, 1708
ppl_Z_Box_limited_CC76_extrapolation_assign
ppl_Z_Box_tag, 1714
ppl_Z_Box_limited_CC76_extrapolation_assign_-
with_tokens
ppl_Z_Box_tag, 1714
ppl_Z_Box_linear_partition
ppl_Z_Box_tag, 1714
ppl_Z_Box_map_space_dimensions
ppl_Z_Box_tag, 1713
ppl_Z_Box_maximize
ppl_Z_Box_tag, 1708
ppl_Z_Box_maximize_with_point
ppl_Z_Box_tag, 1709
ppl_Z_Box_minimize
ppl_Z_Box_tag, 1708
ppl_Z_Box_minimize_with_point
ppl_Z_Box_tag, 1709
ppl_Z_Box_OK
ppl_Z_Box_tag, 1709
ppl_Z_Box_refine_with_congruence
ppl_Z_Box_tag, 1710
ppl_Z_Box_refine_with_congruences
ppl_Z_Box_tag, 1710
ppl_Z_Box_refine_with_constraint
ppl_Z_Box_tag, 1710
ppl_Z_Box_refine_with_constraints
ppl_Z_Box_tag, 1710
ppl_Z_Box_relation_with_Congruence

ppl_Z_Box_tag, 1707
ppl_Z_Box_relation_with_Constraint
ppl_Z_Box_tag, 1707
ppl_Z_Box_relation_with_Generator
ppl_Z_Box_tag, 1707
ppl_Z_Box_remove_higher_space_dimensions
ppl_Z_Box_tag, 1713
ppl_Z_Box_remove_space_dimensions
ppl_Z_Box_tag, 1713
ppl_Z_Box_simplify_using_context_assign
ppl_Z_Box_tag, 1711
ppl_Z_Box_space_dimension
ppl_Z_Box_tag, 1707
ppl_Z_Box_strictly_contains_Z_Box
ppl_Z_Box_tag, 1709
ppl_Z_Box_tag, 1693
ppl_all_affine_ranking_functions_MS_Z_-Box, 1715
ppl_all_affine_ranking_functions_MS_Z_-Box_2, 1716
ppl_all_affine_ranking_functions_PR_Z_Box, 1716
ppl_all_affine_ranking_functions_PR_Z_-Box_2, 1716
ppl_assign_Z_Box_from_Z_Box, 1715
ppl_delete_Z_Box, 1699
ppl_io_asprint_Z_Box, 1716
ppl_io_fprint_Z_Box, 1716
ppl_io_print_Z_Box, 1716
ppl_new_Z_Box_from_BD_Shape_double, 1702
ppl_new_Z_Box_from_BD_Shape_double_-with_complexity, 1706
ppl_new_Z_Box_from_BD_Shape_float, 1702
ppl_new_Z_Box_from_BD_Shape_float_-with_complexity, 1705
ppl_new_Z_Box_from_BD_Shape_int16_t, 1700
ppl_new_Z_Box_from_BD_Shape_int16_t_-with_complexity, 1704
ppl_new_Z_Box_from_BD_Shape_int32_t, 1700
ppl_new_Z_Box_from_BD_Shape_int32_t_-with_complexity, 1704
ppl_new_Z_Box_from_BD_Shape_int64_t, 1700
ppl_new_Z_Box_from_BD_Shape_int64_t_-with_complexity, 1704
ppl_new_Z_Box_from_BD_Shape_int8_t, 1700
ppl_new_Z_Box_from_BD_Shape_int8_t_-with_complexity, 1704
ppl_new_Z_Box_from_BD_Shape_long_-double, 1702
ppl_new_Z_Box_from_BD_Shape_long_-double_with_complexity, 1706
ppl_new_Z_Box_from_BD_Shape_mpq_-class, 1700
ppl_new_Z_Box_from_BD_Shape_mpq_-class_with_complexity, 1704
ppl_new_Z_Box_from_BD_Shape_mpz_-class, 1700
ppl_new_Z_Box_from_BD_Shape_mpz_-class_with_complexity, 1704
ppl_new_Z_Box_from_C_Polyhedron, 1701
ppl_new_Z_Box_from_C_Polyhedron_with_-complexity, 1705
ppl_new_Z_Box_from_Congruence_System, 1706
ppl_new_Z_Box_from_Constraint_System, 1706
ppl_new_Z_Box_from_Double_Box, 1702
ppl_new_Z_Box_from_Double_Box_with_-complexity, 1706
ppl_new_Z_Box_from_Float_Box, 1701
ppl_new_Z_Box_from_Float_Box_with_-complexity, 1705
ppl_new_Z_Box_from_Generator_System, 1706
ppl_new_Z_Box_from_Grid, 1701
ppl_new_Z_Box_from_Grid_with_-complexity, 1705
ppl_new_Z_Box_from_Int16_Box, 1699
ppl_new_Z_Box_from_Int16_Box_with_-complexity, 1703
ppl_new_Z_Box_from_Int32_Box, 1699
ppl_new_Z_Box_from_Int32_Box_with_-complexity, 1703
ppl_new_Z_Box_from_Int64_Box, 1699
ppl_new_Z_Box_from_Int64_Box_with_-complexity, 1703
ppl_new_Z_Box_from_Int8_Box, 1699
ppl_new_Z_Box_from_Int8_Box_with_-complexity, 1702
ppl_new_Z_Box_from_Long_Double_Box, 1702
ppl_new_Z_Box_from_Long_Double_Box_-with_complexity, 1706
ppl_new_Z_Box_from_NNC_Polyhedron, 1701
ppl_new_Z_Box_from_NNC_Polyhedron_-with_complexity, 1705
ppl_new_Z_Box_from_Octagonal_Shape_-double, 1702
ppl_new_Z_Box_from_Octagonal_Shape_-double_with_complexity, 1706
ppl_new_Z_Box_from_Octagonal_Shape_-float, 1702

ppl_new_Z_Box_from_Octagonal_Shape_-float_with_complexity, 1705
ppl_new_Z_Box_from_Octagonal_Shape_-int16_t, 1701
ppl_new_Z_Box_from_Octagonal_Shape_-int16_t_with_complexity, 1704
ppl_new_Z_Box_from_Octagonal_Shape_-int32_t, 1701
ppl_new_Z_Box_from_Octagonal_Shape_-int32_t_with_complexity, 1704
ppl_new_Z_Box_from_Octagonal_Shape_-int64_t, 1701
ppl_new_Z_Box_from_Octagonal_Shape_-int64_t_with_complexity, 1705
ppl_new_Z_Box_from_Octagonal_Shape_-int8_t, 1700
ppl_new_Z_Box_from_Octagonal_Shape_-int8_t_with_complexity, 1704
ppl_new_Z_Box_from_Octagonal_Shape_-long_double, 1702
ppl_new_Z_Box_from_Octagonal_Shape_-long_double_with_complexity, 1706
ppl_new_Z_Box_from_Octagonal_Shape_-mpq_class, 1701
ppl_new_Z_Box_from_Octagonal_Shape_-mpq_class_with_complexity, 1705
ppl_new_Z_Box_from_Octagonal_Shape_-mpz_class, 1701
ppl_new_Z_Box_from_Octagonal_Shape_-mpz_class_with_complexity, 1705
ppl_new_Z_Box_from_Rational_Box, 1700
ppl_new_Z_Box_from_Rational_Box_with_-complexity, 1703
ppl_new_Z_Box_from_space_dimension, 1699
ppl_new_Z_Box_from_Uint16_Box, 1699
ppl_new_Z_Box_from_Uint16_Box_with_-complexity, 1703
ppl_new_Z_Box_from_Uint32_Box, 1699
ppl_new_Z_Box_from_Uint32_Box_with_-complexity, 1703
ppl_new_Z_Box_from_Uint64_Box, 1699
ppl_new_Z_Box_from_Uint64_Box_with_-complexity, 1703
ppl_new_Z_Box_from_Uint8_Box, 1699
ppl_new_Z_Box_from_Uint8_Box_with_-complexity, 1703
ppl_new_Z_Box_from_Z_Box, 1700
ppl_new_Z_Box_from_Z_Box_with_-complexity, 1703
ppl_new_Z_Box_recycle_Congruence_-System, 1715
ppl_new_Z_Box_recycle_Constraint_System, 1714
ppl_new_Z_Box_recycle_Generator_System, 1715
ppl_one_affine_ranking_function_MS_Z_-Box, 1715
ppl_one_affine_ranking_function_MS_Z_-Box_2, 1716
ppl_one_affine_ranking_function_PR_Z_Box, 1715
ppl_one_affine_ranking_function_PR_Z_-Box_2, 1716
ppl_termination_test_MS_Z_Box, 1715
ppl_termination_test_MS_Z_Box_2, 1716
ppl_termination_test_PR_Z_Box, 1715
ppl_termination_test_PR_Z_Box_2, 1716
ppl_Z_Box_add_congruence, 1710
ppl_Z_Box_add_congruences, 1710
ppl_Z_Box_add_constraint, 1709
ppl_Z_Box_add_constraints, 1710
ppl_Z_Box_add_recycled_congruences, 1715
ppl_Z_Box_add_recycled_constraints, 1715
ppl_Z_Box_add_space_dimensions_and_-embed, 1712
ppl_Z_Box_add_space_dimensions_and_-project, 1712
ppl_Z_Box_affine_dimension, 1707
ppl_Z_Box_affine_image, 1711
ppl_Z_Box_affine_preimage, 1711
ppl_Z_Box_ascii_dump, 1717
ppl_Z_Box_ascii_load, 1717
ppl_Z_Box_bounded_affine_image, 1712
ppl_Z_Box_bounded_affine_preimage, 1712
ppl_Z_Box_bounds_from_above, 1708
ppl_Z_Box_bounds_from_below, 1708
ppl_Z_Box_CC76_widening_assign, 1714
ppl_Z_Box_CC76_widening_assign_with_-tokens, 1714
ppl_Z_Box_concatenate_assign, 1711
ppl_Z_Box_constrains, 1711
ppl_Z_Box_contains_integer_point, 1708
ppl_Z_Box_contains_Z_Box, 1709
ppl_Z_Box_difference_assign, 1711
ppl_Z_Box_drop_some_non_integer_points, 1713
ppl_Z_Box_drop_some_non_integer_points_-2, 1713
ppl_Z_Box_equals_Z_Box, 1709
ppl_Z_Box_expand_space_dimension, 1713
ppl_Z_Box_external_memory_in_bytes, 1713
ppl_Z_Box_fold_space_dimensions, 1713
ppl_Z_Box_frequency, 1709
ppl_Z_Box_generalized_affine_image, 1712
ppl_Z_Box_generalized_affine_image_lhs_-rhs, 1712

ppl_Z_Box_generalized_affine_preimage, 1712
ppl_Z_Box_generalized_affine_preimage_-lhs_rhs, 1712
ppl_Z_Box_get_congruences, 1707
ppl_Z_Box_get_constraints, 1707
ppl_Z_Box_get_minimized_congruences, 1707
ppl_Z_Box_get_minimized_constraints, 1707
ppl_Z_Box_intersection_assign, 1710
ppl_Z_Box_is_bounded, 1708
ppl_Z_Box_is_discrete, 1708
ppl_Z_Box_is_disjoint_from_Z_Box, 1709
ppl_Z_Box_is_empty, 1708
ppl_Z_Box_is_topologically_closed, 1708
ppl_Z_Box_is_universe, 1708
ppl_Z_Box_limited_CC76_extrapolation_-assign, 1714
ppl_Z_Box_limited_CC76_extrapolation_-assign_with_tokens, 1714
ppl_Z_Box_linear_partition, 1714
ppl_Z_Box_map_space_dimensions, 1713
ppl_Z_Box_maximize, 1708
ppl_Z_Box_maximize_with_point, 1709
ppl_Z_Box_minimize, 1708
ppl_Z_Box_minimize_with_point, 1709
ppl_Z_Box_OK, 1709
ppl_Z_Box_refine_with_congruence, 1710
ppl_Z_Box_refine_with_congruences, 1710
ppl_Z_Box_refine_with_constraint, 1710
ppl_Z_Box_refine_with_constraints, 1710
ppl_Z_Box_relation_with_Congruence, 1707
ppl_Z_Box_relation_with_Constraint, 1707
ppl_Z_Box_relation_with_Generator, 1707
ppl_Z_Box_remove_higher_space_-dimensions, 1713
ppl_Z_Box_remove_space_dimensions, 1713
ppl_Z_Box_simplify_using_context_assign, 1711
ppl_Z_Box_space_dimension, 1707
ppl_Z_Box_strictly_contains_Z_Box, 1709
ppl_Z_Box_time_elapse_assign, 1711
ppl_Z_Box_topological_closure_assign, 1708
ppl_Z_Box_total_memory_in_bytes, 1713
ppl_Z_Box_unconstrain_space_dimension, 1711
ppl_Z_Box_unconstrain_space_dimensions, 1711
ppl_Z_Box_upper_bound_assign, 1710
ppl_Z_Box_upper_bound_assign_if_exact, 1711
ppl_Z_Box_widening_assign, 1714
ppl_Z_Box_widening_assign_with_tokens, 1714
ppl_Z_Box_wrap_assign, 1714
ppl_Z_Box_time_elapse_assign
ppl_Z_Box_tag, 1711
ppl_Z_Box_topological_closure_assign
ppl_Z_Box_tag, 1708
ppl_Z_Box_total_memory_in_bytes
ppl_Z_Box_tag, 1713
ppl_Z_Box_unconstrain_space_dimension
ppl_Z_Box_tag, 1711
ppl_Z_Box_unconstrain_space_dimensions
ppl_Z_Box_tag, 1711
ppl_Z_Box_upper_bound_assign
ppl_Z_Box_tag, 1710
ppl_Z_Box_upper_bound_assign_if_exact
ppl_Z_Box_tag, 1711
ppl_Z_Box_widening_assign
ppl_Z_Box_tag, 1714
ppl_Z_Box_widening_assign_with_tokens
ppl_Z_Box_tag, 1714
ppl_Z_Box_wrap_assign
ppl_Z_Box_tag, 1714

Timeout
ppl_set_deterministic_timeout, 30
ppl_set_timeout, 30

Version
ppl_banner, 28
PPL_VERSION, 28
Version Checking, 27

wrap_assign
ppl_Polyhedron_tag, 1546