



```
ninja -C build/Opt all
ninja: Entering directory `build/Opt'
[1/597] COMPILER /home/laisrast/Downloads/polymake-
3.2/build/Opt/bundled/singular/apps/common/perl/Matrix.o
FAILED: /home/laisrast/Downloads/polymake-
3.2/build/Opt/bundled/singular/apps/common/perl/Matrix.o
g++ -c -o /home/laisrast/Downloads/polymake-
3.2/build/Opt/bundled/singular/apps/common/perl/Matrix.o -MMD -MT
/home/laisrast/Downloads/polymake-
3.2/build/Opt/bundled/singular/apps/common/perl/Matrix.o -MF
/home/laisrast/Downloads/polymake-
3.2/build/Opt/bundled/singular/apps/common/perl/Matrix.o.d -fPIC -pipe -std=c++14 -
march=native -ftemplate-depth-200 -fno-strict-aliasing -Wno-parentheses -fwrapv -fopenmp -
DPOLYMAKE_DEBUG=0 -DNDEBUG -O3 -DPOLYMAKE_APPNAME=common -
DPOLYMAKE_BUNDLED_EXT=singular -I/usr/include/singular -DOM_NDEBUG -
DOM_NDEBUG -std=c++11 -DOM_NDEBUG -DSING_NDEBUG -DOM_NDEBUG -Wno-
unused-value -I/home/laisrast/Downloads/polymake-3.2/bundled/singular/include/app-
wrappers -I/home/laisrast/Downloads/polymake-3.2/bundled/singular/include/apps -
I/home/laisrast/Downloads/polymake-3.2/include/app-wrappers -
I/home/laisrast/Downloads/polymake-3.2/include/apps -I/home/laisrast/Downloads/polymake-
3.2/include/external/permlib -I/home/laisrast/Downloads/polymake-
3.2/include/external/TOSimplex -I/home/laisrast/Downloads/polymake-3.2/include/core-
wrappers -I/home/laisrast/Downloads/polymake-3.2/include/core
/home/laisrast/Downloads/polymake-3.2/bundled/singular/apps/common/src/perl/Matrix.cc
In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/type_manip.h:22,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations_basic_defs.h:20,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_basic_defs.h:20,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:23,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
```

```

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/type_utils.h:27:26: error:
'remove_cv_t' in namespace 'std' does not name a template type
using pure_type_t = std::remove_cv_t<std::remove_reference_t<T>>;
^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/type_utils.h:27:21: note:
suggested alternative: 'remove_cv'
using pure_type_t = std::remove_cv_t<std::remove_reference_t<T>>;
^~~

remove_cv
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/type_utils.h:33:70: error:
'remove_reference_t' is not a member of 'std'
using inherit_const_t = typename
std::conditional<std::is_const<std::remove_reference_t<Source>>::value,
^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/type_utils.h:33:70: note:
suggested alternative: 'remove_reference'
using inherit_const_t = typename
std::conditional<std::is_const<std::remove_reference_t<Source>>::value,
^~~~~~

remove_reference
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/type_utils.h:33:70: error:
'remove_reference_t' is not a member of 'std'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/type_utils.h:33:70: note:
suggested alternative: 'remove_reference'
using inherit_const_t = typename
std::conditional<std::is_const<std::remove_reference_t<Source>>::value,
^~~~~~

remove_reference
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/type_utils.h:33:89: error:
template argument 1 is invalid
using inherit_const_t = typename
std::conditional<std::is_const<std::remove_reference_t<Source>>::value,
^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/type_utils.h:33:95: error:
wrong number of template arguments (1, should be 3)
using inherit_const_t = typename

```

```
std::conditional<std::is_const<std::remove_reference_t<Source>>::value,
```

```
^~
```

```
In file included from /usr/include/c++/8.2.0/bits/move.h:55,  
from /usr/include/c++/8.2.0/bits/stl_pair.h:59,  
from /usr/include/c++/8.2.0/bits/stl_algobase.h:64,  
from /usr/include/c++/8.2.0/bits/char_traits.h:39,  
from /usr/include/c++/8.2.0/string:40,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/AnyString.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/constants.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:20,  
from /home/laisrast/Downloads/polymake-  
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:  
/usr/include/c++/8.2.0/type_traits:92:12: note: provided for 'template<bool <anonymous>,  
class, class> struct std::conditional'  
struct conditional;
```

```
^~~~~~
```

```
In file included from /home/laisrast/Downloads/polymake-  
3.2/include/core/polymake/internal/type_manip.h:22,  
from /home/laisrast/Downloads/polymake-  
3.2/include/core/polymake/internal/operations_basic_defs.h:20,  
from /home/laisrast/Downloads/polymake-  
3.2/include/core/polymake/internal/comparators_basic_defs.h:20,  
from /home/laisrast/Downloads/polymake-  
3.2/include/core/polymake/internal/comparators_ops.h:23,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,  
from /home/laisrast/Downloads/polymake-  
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/type_utils.h:37:68: error:  
'add_rvalue_reference_t' is not a member of 'std'
```

```
std::add_rvalue_reference_t<Target> >,
```

```
^~~~~~
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/type_utils.h:37:68: note:  
suggested alternative: 'add_rvalue_reference'
```

```
std::add_rvalue_reference_t<Target> >,
```

```
^~~~~~
```

add_rvalue_reference

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/type_utils.h:37:68: error:

'add_rvalue_reference_t' is not a member of 'std'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/type_utils.h:37:68: note:

suggested alternative: 'add_rvalue_reference'

std::add_rvalue_reference_t<Target> >,

^~~~~~

add_rvalue_reference

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/type_utils.h:37:97: error:

template argument 2 is invalid

std::add_rvalue_reference_t<Target> >,

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/type_utils.h:37:99: error:

template argument 1 is invalid

std::add_rvalue_reference_t<Target> >,

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/type_utils.h:36:38: error:

expected nested-name-specifier

using inherit_reference_t = typename mselect< std::enable_if<

std::is_rvalue_reference<Source>::value,

^~~~~~

std::add_rvalue_reference_t<Target> >,

~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/type\_utils.h:43:96: error:

'pure\_type\_t' was not declared in this scope

using private\_mutable\_t = typename std::conditional<std::is\_rvalue\_reference<T&&>::value,

T&&, pure\_type\_t<T>>::type;

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/type\_utils.h:43:108: error:

template argument 3 is invalid

using private\_mutable\_t = typename std::conditional<std::is\_rvalue\_reference<T&&>::value,

T&&, pure\_type\_t<T>>::type;

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/type\_utils.h:43:109: error:

expected identifier before '>' token

using private\_mutable\_t = typename std::conditional<std::is\_rvalue\_reference<T&&>::value,

T&&, pure\_type\_t<T>>::type;

^~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/type\_utils.h:47:1: error:

'private\_mutable\_t' does not name a type

private\_mutable\_t<T> ensure\_private\_mutable(T&& x)

^~~~~~

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/type\_manip.h:22,

from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/operations\_basic\_defs.h:20,

from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/comparators\_basic\_defs.h:20,

from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/comparators\_ops.h:23,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/type\_utils.h:145:47: error:

'add\_lvalue\_reference\_t' is not a member of 'std'

using can\_assign\_to = std::is\_assignable<std::add\_lvalue\_reference\_t<Target>, Source>;

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/type\_utils.h:145:47: note:

suggested alternative: 'add\_lvalue\_reference'

using can\_assign\_to = std::is\_assignable<std::add\_lvalue\_reference\_t<Target>, Source>;

^~~~~~

add\_lvalue\_reference

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/type\_utils.h:145:47: error:

'add\_lvalue\_reference\_t' is not a member of 'std'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/type\_utils.h:145:47: note:

suggested alternative: 'add\_lvalue\_reference'

using can\_assign\_to = std::is\_assignable<std::add\_lvalue\_reference\_t<Target>, Source>;

^~~~~~

add\_lvalue\_reference

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/type\_utils.h:145:76: error:

wrong number of template arguments (1, should be 2)

using can\_assign\_to = std::is\_assignable<std::add\_lvalue\_reference\_t<Target>, Source>;

^

In file included from /usr/include/c++/8.2.0/bits/move.h:55,

```

from /usr/include/c++/8.2.0/bits/stl_pair.h:59,
from /usr/include/c++/8.2.0/bits/stl_algobase.h:64,
from /usr/include/c++/8.2.0/bits/char_traits.h:39,
from /usr/include/c++/8.2.0/string:40,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/AnyString.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/constants.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:20,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/usr/include/c++/8.2.0/type_traits:1048:12: note: provided for 'template<class _Tp, class _Up>
struct std::is_assignable'
struct is_assignable
^~~~~~

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations_basic_defs.h:20,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_basic_defs.h:20,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:23,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:76:17:
error: 'polymake::can_assign_to' has not been declared
using polymake::can_assign_to;
^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:81:17:
error: 'polymake::pure_type_t' has not been declared
using polymake::pure_type_t;
^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:83:17:
error: 'polymake::inherit_const_t' has not been declared
using polymake::inherit_const_t;
^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:84:17:

```

error: 'polymake::inherit\_reference\_t' has not been declared

using polymake::inherit\_reference\_t;

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type\_manip.h:85:17:

error: 'polymake::private\_mutable\_t' has not been declared

using polymake::private\_mutable\_t;

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type\_manip.h:86:17:

error: 'polymake::ensure\_private\_mutable' has not been declared

using polymake::ensure\_private\_mutable;

^~~~~~

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/operations\_basic\_defs.h:20,

from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/comparators\_basic\_defs.h:20,

from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/comparators\_ops.h:23,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

/home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/type\_manip.h:1271:44: error: 'pure\_type\_t' was not declared in this scope

using type\_behind\_t = typename type\_behind<pure\_type\_t<T>>::type;

^~~~~~

/home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/type\_manip.h:1271:44: note: suggested alternative:

'ptr2type'

using type\_behind\_t = typename type\_behind<pure\_type\_t<T>>::type;

^~~~~~

ptr2type

/home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/type\_manip.h:1271:56: error: template argument 1 is invalid

using type\_behind\_t = typename type\_behind<pure\_type\_t<T>>::type;

^

/home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/type\_manip.h:1271:56: error: template argument 2 is invalid

/home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/type\_manip.h:1271:32: error: expected nested-name-specifier

using type\_behind\_t = typename type\_behind<pure\_type\_t<T>>::type;

^~~~~~

/home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/type\_manip.h:1275:28: error: 'type\_behind\_t' was not declared in this scope

: isomorphic\_types\_impl<type\_behind\_t<T1>, type\_behind\_t<T2>> {};

^~~~~~

/home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/type\_manip.h:1275:28: note: suggested alternative: 'type\_behind'

: isomorphic\_types\_impl<type\_behind\_t<T1>, type\_behind\_t<T2>> {};

^~~~~~

type\_behind

/home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/type\_manip.h:1275:44: error: wrong number of template arguments (1, should be at least 2)

: isomorphic\_types\_impl<type\_behind\_t<T1>, type\_behind\_t<T2>> {};

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type\_manip.h:1253:8: note: provided for 'template<class T1, class T2, class Model1, class Model2> struct pm::isomorphic\_types\_impl'

struct isomorphic\_types\_impl : std::false\_type {

^~~~~~

/home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/type\_manip.h:1275:60: error: expected template-name before '<' token

: isomorphic\_types\_impl<type\_behind\_t<T1>, type\_behind\_t<T2>> {};

^

/home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/type\_manip.h:1275:60: error: expected '{' before '<' token

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/comparators\_basic\_defs.h:20,

```

from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:23,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations_basic_defs.h:35:43: error: 'pure_type_t' was not
declared in this scope
typename std::enable_if<is_class_or_union<pure_type_t<T>>::value &&
^~~~~~
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations_basic_defs.h:35:43: note: suggested
alternative: 'ptr2type'
typename std::enable_if<is_class_or_union<pure_type_t<T>>::value &&
^~~~~~
ptr2type
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations_basic_defs.h:35:55: error: template argument 1
is invalid
typename std::enable_if<is_class_or_union<pure_type_t<T>>::value &&
^
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations_basic_defs.h:35:56: error: template argument 1
is invalid
typename std::enable_if<is_class_or_union<pure_type_t<T>>::value &&
^~
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations_basic_defs.h:36:25: error: expected
unqualified-id before '!' token
!std::is_const<std::remove_reference_t<T>>::value, T&&>::type
^
In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,

```

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from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/converters_basic_defs.h:41:12: error: 'pure_type_t' does
not name a type; did you mean 'ptr2type'?
typedef pure_type_t<From> argument_type;
^~~~~~
ptr2type
In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/iterators.h:22,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/operations.h:21,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/pair.h:136:86: error:
'pure_type_t' is not a member of 'polymake'
template <typename U1, typename=typename enable_if<is_constructible<T1,
polymake::pure_type_t<U1>>::value>::type>
^~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/pair.h:136:86: error:
'pure_type_t' is not a member of 'polymake'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/pair.h:136:98: error: template
argument 2 is invalid
template <typename U1, typename=typename enable_if<is_constructible<T1,
polymake::pure_type_t<U1>>::value>::type>
^~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/pair.h:136:100: error: template
argument 1 is invalid
template <typename U1, typename=typename enable_if<is_constructible<T1,
polymake::pure_type_t<U1>>::value>::type>

```

^~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/pair.h:136:112: error: 'type' in namespace '::' does not name a type

```
template <typename U1, typename=typename enable_if<is_constructible<T1,
polymake::pure_type_t<U1>>::value>::type>
```

^~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/pair.h:136:110: note: suggested alternative: 'time'

```
template <typename U1, typename=typename enable_if<is_constructible<T1,
polymake::pure_type_t<U1>>::value>::type>
```

^~

time

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/pair.h:140:86: error: 'pure\_type\_t' is not a member of 'polymake'

```
template <typename U1, typename=typename enable_if<is_constructible<T1,
polymake::pure_type_t<U1>>::value>::type>
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/pair.h:140:86: error: 'pure\_type\_t' is not a member of 'polymake'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/pair.h:140:98: error: template argument 2 is invalid

```
template <typename U1, typename=typename enable_if<is_constructible<T1,
polymake::pure_type_t<U1>>::value>::type>
```

^~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/pair.h:140:100: error: template argument 1 is invalid

```
template <typename U1, typename=typename enable_if<is_constructible<T1,
polymake::pure_type_t<U1>>::value>::type>
```

^~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/pair.h:140:112: error: 'type' in namespace '::' does not name a type

```
template <typename U1, typename=typename enable_if<is_constructible<T1,
polymake::pure_type_t<U1>>::value>::type>
```

^~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/pair.h:140:110: note: suggested alternative: 'time'

```
template <typename U1, typename=typename enable_if<is_constructible<T1,
polymake::pure_type_t<U1>>::value>::type>
```

^~

time

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/pair.h:144:99: error:

'pure\_type\_t' is not a member of 'polymake'

template <typename U1, typename U2, typename=typename enable\_if<is\_constructible<T1,  
polymake::pure\_type\_t<U1>>::value>::type>

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/pair.h:144:99: error:

'pure\_type\_t' is not a member of 'polymake'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/pair.h:144:111: error: template  
argument 2 is invalid

template <typename U1, typename U2, typename=typename enable\_if<is\_constructible<T1,  
polymake::pure\_type\_t<U1>>::value>::type>

^~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/pair.h:144:113: error: template  
argument 1 is invalid

template <typename U1, typename U2, typename=typename enable\_if<is\_constructible<T1,  
polymake::pure\_type\_t<U1>>::value>::type>

^~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/pair.h:144:125: error: 'type' in  
namespace '::' does not name a type

template <typename U1, typename U2, typename=typename enable\_if<is\_constructible<T1,  
polymake::pure\_type\_t<U1>>::value>::type>

^~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/pair.h:144:123: note:

suggested alternative: 'time'

template <typename U1, typename U2, typename=typename enable\_if<is\_constructible<T1,  
polymake::pure\_type\_t<U1>>::value>::type>

^~

time

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/iterators.h:22,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/operations.h:21,

from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/comparators\_ops.h:25,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,

```

from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/pair.h:185:86: error:
'pure_type_t' is not a member of 'polymake'
template <typename U2, typename=typename enable_if<is_constructible<T2,
polymake::pure_type_t<U2>>::value>::type>
^~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/pair.h:185:86: error:
'pure_type_t' is not a member of 'polymake'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/pair.h:185:98: error: template
argument 2 is invalid
template <typename U2, typename=typename enable_if<is_constructible<T2,
polymake::pure_type_t<U2>>::value>::type>
^~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/pair.h:185:100: error: template
argument 1 is invalid
template <typename U2, typename=typename enable_if<is_constructible<T2,
polymake::pure_type_t<U2>>::value>::type>
^~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/pair.h:185:112: error: 'type' in
namespace '::' does not name a type
template <typename U2, typename=typename enable_if<is_constructible<T2,
polymake::pure_type_t<U2>>::value>::type>
^~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/pair.h:185:110: note:
suggested alternative: 'time'
template <typename U2, typename=typename enable_if<is_constructible<T2,
polymake::pure_type_t<U2>>::value>::type>
^~
time
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/pair.h:189:86: error:
'pure_type_t' is not a member of 'polymake'
template <typename U2, typename=typename enable_if<is_constructible<T2,
polymake::pure_type_t<U2>>::value>::type>
^~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/pair.h:189:86: error:
'pure_type_t' is not a member of 'polymake'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/pair.h:189:98: error: template
argument 2 is invalid

```

```
template <typename U2, typename=typename enable_if<is_constructible<T2,  
polymake::pure_type_t<U2>>::value>::type>
```

^~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/pair.h:189:100: error: template argument 1 is invalid

```
template <typename U2, typename=typename enable_if<is_constructible<T2,  
polymake::pure_type_t<U2>>::value>::type>
```

^~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/pair.h:189:112: error: 'type' in namespace '::' does not name a type

```
template <typename U2, typename=typename enable_if<is_constructible<T2,  
polymake::pure_type_t<U2>>::value>::type>
```

^~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/pair.h:189:110: note: suggested alternative: 'time'

```
template <typename U2, typename=typename enable_if<is_constructible<T2,  
polymake::pure_type_t<U2>>::value>::type>
```

^~

time

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/pair.h:193:99: error: 'pure\_type\_t' is not a member of 'polymake'

```
template <typename U1, typename U2, typename=typename enable_if<is_constructible<T2,  
polymake::pure_type_t<U2>>::value>::type>
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/pair.h:193:99: error: 'pure\_type\_t' is not a member of 'polymake'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/pair.h:193:111: error: template argument 2 is invalid

```
template <typename U1, typename U2, typename=typename enable_if<is_constructible<T2,  
polymake::pure_type_t<U2>>::value>::type>
```

^~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/pair.h:193:113: error: template argument 1 is invalid

```
template <typename U1, typename U2, typename=typename enable_if<is_constructible<T2,  
polymake::pure_type_t<U2>>::value>::type>
```

^~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/pair.h:193:125: error: 'type' in namespace '::' does not name a type

```
template <typename U1, typename U2, typename=typename enable_if<is_constructible<T2,
```

```
polymake::pure_type_t<U2>>::value>::type>
```

```
^~~~
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/pair.h:193:123: note:
```

```
suggested alternative: 'time'
```

```
template <typename U1, typename U2, typename=typename enable_if<is_constructible<T2,  
polymake::pure_type_t<U2>>::value>::type>
```

```
^~
```

```
time
```

```
In file included from /home/laisrast/Downloads/polymake-
```

```
3.2/include/core/polymake/internal/operations.h:21,
```

```
from /home/laisrast/Downloads/polymake-
```

```
3.2/include/core/polymake/internal/comparators_ops.h:25,
```

```
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
```

```
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
```

```
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
```

```
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
```

```
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
```

```
from /home/laisrast/Downloads/polymake-
```

```
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:106:34:
```

```
error: 'pure_type_t' was not declared in this scope
```

```
: public std::iterator_traits<pure_type_t<Iterator>>
```

```
^~~~~~
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:106:34:
```

```
note: suggested alternative: 'ptr2type'
```

```
: public std::iterator_traits<pure_type_t<Iterator>>
```

```
^~~~~~
```

```
ptr2type
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:106:46:
```

```
error: template argument 1 is invalid
```

```
: public std::iterator_traits<pure_type_t<Iterator>>
```

```
^~~~~~
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:106:54:
```

```
error: expected '{' before '>' token
```

```
: public std::iterator_traits<pure_type_t<Iterator>>
```

```
^~
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:153:15:
```

```
error: 'pure_type_t' was not declared in this scope
```

```
: is_among<pure_type_t<Source>, typename const_compatible_with<Iterator>::type> {};
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:153:15:

note: suggested alternative: 'ptr2type'

: is\_among<pure\_type\_t<Source>, typename const\_compatible\_with<Iterator>::type> {};

^~~~~~

ptr2type

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:153:33:

error: template argument 1 is invalid

: is\_among<pure\_type\_t<Source>, typename const\_compatible\_with<Iterator>::type> {};

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:153:36:

error: keyword 'typename' not allowed in this context (the base class is implicitly a type)

: is\_among<pure\_type\_t<Source>, typename const\_compatible\_with<Iterator>::type> {};

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:153:82:

error: expected '{' before '>' token

: is\_among<pure\_type\_t<Source>, typename const\_compatible\_with<Iterator>::type> {};

^

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/operations.h:21,

from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/comparators\_ops.h:25,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:284:29:

error: 'pure\_type\_t' was not declared in this scope

: check\_iterator\_feature<pure\_type\_t<Iterator>, Feature> {};

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:284:29:

note: suggested alternative: 'ptr2type'

: check\_iterator\_feature<pure\_type\_t<Iterator>, Feature> {};

^~~~~~

ptr2type

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:284:49:

error: wrong number of template arguments (1, should be 2)

: check\_iterator\_feature<pure\_type\_t<Iterator>, Feature> {};

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:279:8:

note: provided for 'template<class Iterator, class Feature> struct pm::check\_iterator\_feature'

struct check\_iterator\_feature

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:284:59:

error: expected '{' before '>' token

: check\_iterator\_feature<pure\_type\_t<Iterator>, Feature> {};

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:621:12:

error: 'pure\_type\_t' does not name a type; did you mean 'ptr2type'?

typedef pure\_type\_t<Iterator> candidate;

^~~~~~

ptr2type

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:622:44:

error: 'candidate' was not declared in this scope

static const bool value=(has\_value\_type<candidate>::value &&

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:622:53:

error: template argument 1 is invalid

static const bool value=(has\_value\_type<candidate>::value &&

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:623:51:

error: 'candidate' was not declared in this scope

has\_iterator\_category<candidate>::value &&

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:623:60:

error: template argument 1 is invalid

has\_iterator\_category<candidate>::value &&

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:624:49:

error: 'candidate' was not declared in this scope

has\_difference\_type<candidate>::value) || std::is\_pointer<candidate>::value;

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:624:58:

error: template argument 1 is invalid

has\_difference\_type<candidate>::value) || std::is\_pointer<candidate>::value;

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:624:87:  
error: 'candidate' was not declared in this scope

```
has_difference_type<candidate>::value) || std::is_pointer<candidate>::value;
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:624:96:  
error: template argument 1 is invalid

```
has_difference_type<candidate>::value) || std::is_pointer<candidate>::value;
```

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:635:19:  
error: 'pure\_type\_t' was not declared in this scope

```
: TestFunction<pure_type_t<Iterator>, TestParams...> {};
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:635:19:  
note: suggested alternative: 'ptr2type'

```
: TestFunction<pure_type_t<Iterator>, TestParams...> {};
```

^~~~~~

ptr2type

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:635:39:  
error: template argument 1 is invalid

```
: TestFunction<pure_type_t<Iterator>, TestParams...> {};
```

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:635:55:  
error: expected '{' before '>' token

```
: TestFunction<pure_type_t<Iterator>, TestParams...> {};
```

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:840:12:  
error: 'pure\_type\_t' does not name a type; did you mean 'ptr2type'?

```
typedef pure_type_t<Iterator> type;
```

^~~~~~

ptr2type

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:858:59:  
error: 'make\_iterator\_range' function uses 'auto' type specifier without trailing return type

```
auto make_iterator_range(Iterator&& first, Iterator&& last)
```

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:858:59:  
note: deduced return type only available with -std=c++14 or -std=gnu++14

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1920:17:  
error: 'remove\_reference\_t' in namespace 'std' does not name a template type

```
typedef std::remove_reference_t<ResultRef>* pointer;
```

```
^~~~~~
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1920:12:
```

```
note: suggested alternative: 'remove_reference'
```

```
typedef std::remove_reference_t<ResultRef>* pointer;
```

```
^~~
```

```
remove_reference
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1923:11:
```

```
error: 'pointer' does not name a type; did you mean 'printf'?
```

```
static pointer get(const Iterator& it) { return &(*it); }
```

```
^~~~~~
```

```
printf
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In
```

```
constructor 'pm::unary_transform_eval<Iterator, Operation>::unary_transform_eval(const  
pm::unary_transform_eval<typename pm::iterator_traits<Iterator1>::iterator, Operation2>&):'
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1970:48:
```

```
error: 'remove_reference_t' in namespace 'std' does not name a template type
```

```
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
```

```
^~~~~~
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1970:48:
```

```
note: suggested alternative: 'remove_reference'
```

```
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
```

```
^~~~~~
```

```
remove_reference
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1970:66:
```

```
error: expected '>' before '<' token
```

```
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
```

```
^
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1970:66:
```

```
error: expected '(' before '<' token
```

```
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
```

```
^
```

```
(
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1970:66:
```

```
error: expected primary-expression before '<' token
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1970:67:
```

```
error: expected primary-expression before 'decltype'
```

```
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
```

```
^~~~~~
```

```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1970:67:
error: expected ')' before 'decltype'
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^~~~~~
)
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In
constructor 'pm::unary_transform_eval<Iterator, std::pair<pm::nothing, IndexOperation>
>::unary_transform_eval(const pm::unary_transform_eval<typename
pm::iterator_traits<Iterator1>::iterator, std::pair<pm::nothing, IndexOperation2> >&)'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2046:48:
error: 'remove_reference_t' in namespace 'std' does not name a template type
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2046:48:
note: suggested alternative: 'remove_reference'
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^~~~~~
remove_reference
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2046:66:
error: expected '>' before '<' token
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2046:66:
error: expected '(' before '<' token
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^
(
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2046:66:
error: expected primary-expression before '<' token
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2046:67:
error: expected primary-expression before 'decltype'
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2046:67:
error: expected ')' before 'decltype'
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^~~~~~
)
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: At global

```

scope:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2101:32:

error: 'remove\_reference\_t' is not a member of 'std'

```
typedef typename deref<std::remove_reference_t<typename base_t::reference>>::type  
value_type;
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2101:32:

note: suggested alternative: 'remove\_reference'

```
typedef typename deref<std::remove_reference_t<typename base_t::reference>>::type  
value_type;
```

^~~~~~

remove\_reference

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2101:32:

error: 'remove\_reference\_t' is not a member of 'std'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2101:32:

note: suggested alternative: 'remove\_reference'

```
typedef typename deref<std::remove_reference_t<typename base_t::reference>>::type  
value_type;
```

^~~~~~

remove\_reference

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2101:68:

error: template argument 1 is invalid

```
typedef typename deref<std::remove_reference_t<typename base_t::reference>>::type  
value_type;
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2101:21:

error: expected nested-name-specifier

```
typedef typename deref<std::remove_reference_t<typename base_t::reference>>::type  
value_type;
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2214:70:

error: 'make\_unary\_transform\_iterator' function uses 'auto' type specifier without trailing return type

```
auto make_unary_transform_iterator(Iterator&& it, const Operation& op)
```

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2214:70:

note: deduced return type only available with -std=c++14 or -std=gnu++14

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2292:32:

error: 'remove\_reference\_t' is not a member of 'std'

```
typedef typename deref<std::remove_reference_t<typename  
Operation::argument_type>>::type value_type;
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2292:32:

note: suggested alternative: 'remove\_reference'

```
typedef typename deref<std::remove_reference_t<typename  
Operation::argument_type>>::type value_type;
```

^~~~~~

remove\_reference

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2292:32:

error: 'remove\_reference\_t' is not a member of 'std'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2292:32:

note: suggested alternative: 'remove\_reference'

```
typedef typename deref<std::remove_reference_t<typename  
Operation::argument_type>>::type value_type;
```

^~~~~~

remove\_reference

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2292:71:

error: template argument 1 is invalid

```
typedef typename deref<std::remove_reference_t<typename  
Operation::argument_type>>::type value_type;
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2292:21:

error: expected nested-name-specifier

```
typedef typename deref<std::remove_reference_t<typename  
Operation::argument_type>>::type value_type;
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In

constructor 'pm::binary\_transform\_eval<IteratorPair, Operation,

is\_partial>::binary\_transform\_eval(const pm::binary\_transform\_eval<typename

pm::iterator\_traits<Iterator1>::iterator, Operation2, is\_partial>&):

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2609:48:

error: 'remove\_reference\_t' in namespace 'std' does not name a template type

: base\_t(static\_cast<const typename std::remove\_reference\_t<decltype(it)>::base\_t&>(it))

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2609:48:

note: suggested alternative: 'remove\_reference'

: base\_t(static\_cast<const typename std::remove\_reference\_t<decltype(it)>::base\_t&>(it))

^~~~~~

remove\_reference

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2609:66:

error: expected '>' before '<' token

: base\_t(static\_cast<const typename std::remove\_reference\_t<decltype(it)>::base\_t&>(it))

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2609:66:

error: expected '(' before '<' token

: base\_t(static\_cast<const typename std::remove\_reference\_t<decltype(it)>::base\_t&>(it))

^

(

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2609:66:

error: expected primary-expression before '<' token

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2609:67:

error: expected primary-expression before 'decltype'

: base\_t(static\_cast<const typename std::remove\_reference\_t<decltype(it)>::base\_t&>(it))

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2609:67:

error: expected ')' before 'decltype'

: base\_t(static\_cast<const typename std::remove\_reference\_t<decltype(it)>::base\_t&>(it))

^~~~~~

)

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In

constructor 'pm::binary\_transform\_eval<IteratorPair, std::pair<pm::nothing, IndexOperation>,

is\_partial>::binary\_transform\_eval(const pm::binary\_transform\_eval<typename

pm::iterator\_traits<Iterator1>::iterator, std::pair<pm::nothing, IndexOperation2>, is\_partial>&):

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2682:48:

error: 'remove\_reference\_t' in namespace 'std' does not name a template type

: base\_t(static\_cast<const typename std::remove\_reference\_t<decltype(it)>::base\_t&>(it))

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2682:48:

note: suggested alternative: 'remove\_reference'

: base\_t(static\_cast<const typename std::remove\_reference\_t<decltype(it)>::base\_t&>(it))

^~~~~~

remove\_reference

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2682:66:

error: expected '>' before '<' token

: base\_t(static\_cast<const typename std::remove\_reference\_t<decltype(it)>::base\_t&>(it))

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2682:66:

error: expected '(' before '<' token

```
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
```

^

(

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2682:66:
```

error: expected primary-expression before '<' token

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2682:67:
```

error: expected primary-expression before 'decltype'

```
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
```

^~~~~~

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2682:67:
```

error: expected ')' before 'decltype'

```
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
```

^~~~~~

)

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: At global scope:
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2713:32:
```

error: 'remove\_reference\_t' is not a member of 'std'

```
typedef typename deref<std::remove_reference_t<typename base_t::reference>>::type
```

```
value_type;
```

^~~~~~

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2713:32:
```

note: suggested alternative: 'remove\_reference'

```
typedef typename deref<std::remove_reference_t<typename base_t::reference>>::type
```

```
value_type;
```

^~~~~~

remove\_reference

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2713:32:
```

error: 'remove\_reference\_t' is not a member of 'std'

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2713:32:
```

note: suggested alternative: 'remove\_reference'

```
typedef typename deref<std::remove_reference_t<typename base_t::reference>>::type
```

```
value_type;
```

^~~~~~

remove\_reference

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2713:68:
```

error: template argument 1 is invalid

```
typedef typename deref<std::remove_reference_t<typename base_t::reference>>::type
```

value\_type;

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2713:21:

error: expected nested-name-specifier

typedef typename deref<std::remove\_reference\_t<typename base\_t::reference>>::type

value\_type;

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2867:95:

error: 'make\_binary\_transform\_iterator' function uses 'auto' type specifier without trailing  
return type

auto make\_binary\_transform\_iterator(Iterator1&& first, Iterator2&& second, const Operation&  
op)

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2867:95:

note: deduced return type only available with -std=c++14 or -std=gnu++14

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/comparators\_ops.h:25,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/operations.h:996:17:

error: 'add\_lvalue\_reference\_t' in namespace 'std' does not name a template type

typedef std::add\_lvalue\_reference\_t<pure\_type\_t<TRef>> unconst\_type;

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/operations.h:996:12:

note: suggested alternative: 'add\_lvalue\_reference'

typedef std::add\_lvalue\_reference\_t<pure\_type\_t<TRef>> unconst\_type;

^~~

add\_lvalue\_reference

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/operations.h:997:17:

error: 'add\_rvalue\_reference\_t' in namespace 'std' does not name a template type

typedef std::add\_rvalue\_reference\_t<pure\_type\_t<TRef>> result\_type;

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/operations.h:997:12:

note: suggested alternative: 'add\_rvalue\_reference'

```
typedef std::add_rvalue_reference_t<pure_type_t<TRef>> result_type;
```

^~~

add\_rvalue\_reference

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/operations.h:999:4:

error: 'result\_type' does not name a type; did you mean 'decltype'?

```
result_type operator() (argument_type x) const { return static_cast<result_type>  
(const_cast<unconst_type>(x)); }
```

^~~~~~

decltype

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/operations.h:1706,

from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/comparators\_ops.h:25,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/extend\_algo.h:44:1:

error: 'private\_mutable\_t' does not name a type; did you mean 'is\_mutable'?

```
private_mutable_t<Iterator2> copy_range(Iterator1&& src, Iterator2&& dst)
```

^~~~~~

is\_mutable

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/extend\_algo.h:148:1:

error: 'private\_mutable\_t' does not name a type; did you mean 'is\_mutable'?

```
private_mutable_t<Iterator>
```

^~~~~~

is\_mutable

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/extend\_algo.h:159:1:

error: 'private\_mutable\_t' does not name a type; did you mean 'is\_mutable'?

```
private_mutable_t<Iterator>
```

^~~~~~

is\_mutable

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/Series.h:25,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,

```

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/shared_object.h:1032:81: error: 'can_assign_to' was not
declared in this scope
static typename std::enable_if<(isomorphic_types<Value, Object>::value &&
can_assign_to<Value, Object>::value), Object*>::type
^~~~~~
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/shared_object.h:1032:81: note: suggested alternative:
'max_align_t'
static typename std::enable_if<(isomorphic_types<Value, Object>::value &&
can_assign_to<Value, Object>::value), Object*>::type
^~~~~~
max_align_t
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/shared_object.h:1032:111: error: template argument 1 is
invalid
static typename std::enable_if<(isomorphic_types<Value, Object>::value &&
can_assign_to<Value, Object>::value), Object*>::type
^~~~~
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/shared_object.h:1032:116: error: expected identifier before
')' token
static typename std::enable_if<(isomorphic_types<Value, Object>::value &&
can_assign_to<Value, Object>::value), Object*>::type
^
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/shared_object.h:1032:116: error: expected unqualified-id
before ')' token
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/shared_object.h:1041:70: error: 'can_assign_to' was not
declared in this scope
static typename std::enable_if<assess_iterator_value<Iterator, can_assign_to, Object>::value,
Object*>::type
^~~~~~
/home/laisrast/Downloads/polymake-

```

```

3.2/include/core/polymake/internal/shared_object.h:1041:70: note: suggested alternative:
'max_align_t'
static typename std::enable_if<assess_iterator_value<Iterator, can_assign_to, Object>::value,
Object*>::type
^~~~~~
max_align_t
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/shared_object.h:1041:91: error: template argument 2 is
invalid
static typename std::enable_if<assess_iterator_value<Iterator, can_assign_to, Object>::value,
Object*>::type
^
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/shared_object.h:1041:108: error: template argument 1 is
invalid
static typename std::enable_if<assess_iterator_value<Iterator, can_assign_to, Object>::value,
Object*>::type
^
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/shared_object.h:1050:111: error: 'can_assign_to' was not
declared in this scope
static typename std::enable_if<looks_like_iterator<Iterator>::value &&
!assess_iterator_value<Iterator, can_assign_to, Object>::value, Object*>::type
^~~~~~
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/shared_object.h:1050:111: note: suggested alternative:
'max_align_t'
static typename std::enable_if<looks_like_iterator<Iterator>::value &&
!assess_iterator_value<Iterator, can_assign_to, Object>::value, Object*>::type
^~~~~~
max_align_t
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/shared_object.h:1050:132: error: template argument 2 is
invalid
static typename std::enable_if<looks_like_iterator<Iterator>::value &&
!assess_iterator_value<Iterator, can_assign_to, Object>::value, Object*>::type
^
In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/Series.h:26,

```

```

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/Wary.h:81:19: error:
'can_assign_to' does not name a type; did you mean 'max_align_t'?
using MaybeWary = can_assign_to<T, Wary<T>>;
^~~~~~
max_align_t
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/Wary.h:84:25: error:
'MaybeWary' was not declared in this scope
typename std::enable_if<MaybeWary<T>::value, Wary<T>&>::type
^~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/Wary.h:84:36: error:
template argument 1 is invalid
typename std::enable_if<MaybeWary<T>::value, Wary<T>&>::type
^
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/Wary.h:84:37: error:
expected identifier before '::' token
typename std::enable_if<MaybeWary<T>::value, Wary<T>&>::type
^~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/Wary.h:84:39: error:
declaration of 'value' not in a namespace surrounding '::'
typename std::enable_if<MaybeWary<T>::value, Wary<T>&>::type
^~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/Wary.h:84:39: error:
'value' should have been declared inside '::'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/Wary.h:84:39:
warning: inline variables are only available with -std=c++17 or -std=gnu++17
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/Wary.h:84:37:
warning: variable templates only available with -std=c++14 or -std=gnu++14
typename std::enable_if<MaybeWary<T>::value, Wary<T>&>::type
^~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/Wary.h:84:44: error:
expected ';' before ',' token
typename std::enable_if<MaybeWary<T>::value, Wary<T>&>::type
^

```

```

;
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/Wary.h:91:26: error:
'MaybeWary' was not declared in this scope
typename std::enable_if<!MaybeWary<T>::value, T&>::type
^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/Wary.h:91:37: error:
template argument 1 is invalid
typename std::enable_if<!MaybeWary<T>::value, T&>::type
^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/Wary.h:91:38: error:
expected identifier before '::' token
typename std::enable_if<!MaybeWary<T>::value, T&>::type
^~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/Wary.h:91:40: error:
declaration of 'value' not in a namespace surrounding '::'
typename std::enable_if<!MaybeWary<T>::value, T&>::type
^~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/Wary.h:91:40: error:
'value' should have been declared inside '::'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/Wary.h:91:40:
warning: inline variables are only available with -std=c++17 or -std=gnu++17
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/Wary.h:91:40: error:
redeclaration of 'template<class T> int value'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/Wary.h:84:39: note:
previous declaration 'template<class T> int value<T>'
typename std::enable_if<MaybeWary<T>::value, Wary<T>&>::type
^~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/Wary.h:91:38:
warning: variable templates only available with -std=c++14 or -std=gnu++14
typename std::enable_if<!MaybeWary<T>::value, T&>::type
^~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/Wary.h:91:45: error:
expected ';' before ',' token
typename std::enable_if<!MaybeWary<T>::value, T&>::type
^
;
In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,

```

```

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h: In instantiation of
'class pm::GenericSet<pm::Series<int, true>, int, pm::operations::cmp>':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:242:7: required from
'class pm::Series<int, true>'
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:1259:36: required from here
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:69:68: error: static
assertion failed: elements must have a total ordering
static_assert(!std::is_same<Comparator, operations::cmp>::value || is_ordered<E>::value,
"elements must have a total ordering");

```

```

~~~~~^~~~~~
In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/sparse.h:22,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h: In
constructor 'pm::unary_predicate_selector<Iterator,
Predicate>::unary_predicate_selector(const pm::unary_predicate_selector<typename
pm::iterator_traits<Iterator1>::iterator, Predicate2>&)':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:53:48:
error: 'remove_reference_t' in namespace 'std' does not name a template type
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))

```

```

~~~~~^~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:53:48: note:
suggested alternative: 'remove_reference'
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
~~~~~^~~~~~
remove_reference
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:53:66:
error: expected '>' before '<' token
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))

```

^

```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:53:66:
error: expected '(' before '<' token
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^
(
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:53:66:
error: expected primary-expression before '<' token
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:53:67:
error: expected primary-expression before 'decltype'
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:53:67:
error: expected ')' before 'decltype'
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^~~~~~
)
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h: At global
scope:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:138:72:
error: 'make_unary_predicate_selector' function uses 'auto' type specifier without trailing
return type
auto make_unary_predicate_selector(Iterator&& it, const Predicate& pred)
^
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:138:72:
note: deduced return type only available with -std=c++14 or -std=gnu++14
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h: In
constructor 'pm::input_truncator<Iterator, Predicate>::input_truncator(const
pm::input_truncator<typename pm::iterator_traits<Iterator1>::iterator, Predicate2>&)':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:166:48:
error: 'remove_reference_t' in namespace 'std' does not name a template type
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^~~~~~~~~~~~~~~~~~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:166:48:
note: suggested alternative: 'remove_reference'
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^~~~~~~~~~~~~~~~~~~~~~
remove_reference
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:166:66:
error: expected '>' before '<' token

```

```

: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:166:66:
error: expected '(' before '<' token
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^
(
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:166:66:
error: expected primary-expression before '<' token
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:166:67:
error: expected primary-expression before 'decltype'
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:166:67:
error: expected ')' before 'decltype'
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^~~~~~
)
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h: In
constructor 'pm::range_contractor<Iterator, Predicate>::range_contractor(const
pm::range_contractor<typename pm::iterator_traits<Iterator1>::iterator, Predicate2>&):
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:245:48:
error: 'remove_reference_t' in namespace 'std' does not name a template type
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^~~~~~~~~~~~~~~~~~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:245:48:
note: suggested alternative: 'remove_reference'
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^~~~~~~~~~~~~~~~~~~~~~
remove_reference
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:245:66:
error: expected '>' before '<' token
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:245:66:
error: expected '(' before '<' token
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^
(

```

```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:245:66:
error: expected primary-expression before '<' token
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:245:67:
error: expected primary-expression before 'decltype'
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:245:67:
error: expected ')' before 'decltype'
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^~~~~~
)
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h: At global
scope:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:296:64:
error: 'make_range_contractor' function uses 'auto' type specifier without trailing return type
auto make_range_contractor(Iterator&& it, const Predicate& pred)
^
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:296:64:
note: deduced return type only available with -std=c++14 or -std=gnu++14
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:302:47:
error: 'make_equal_range_contractor' function uses 'auto' type specifier without trailing return
type
auto make_equal_range_contractor(Iterator&& it)
^
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:302:47:
note: deduced return type only available with -std=c++14 or -std=gnu++14
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h: In
constructor 'pm::range_folder<Iterator, FoldingOperation>::range_folder(const iterator&)':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:336:48:
error: 'remove_reference_t' in namespace 'std' does not name a template type
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:336:48:
note: suggested alternative: 'remove_reference'
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^~~~~~
remove_reference
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:336:66:
error: expected '>' before '<' token

```

```

: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:336:66:
error: expected '(' before '<' token
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^
(
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:336:66:
error: expected primary-expression before '<' token
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:336:67:
error: expected primary-expression before 'decltype'
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:336:67:
error: expected ')' before 'decltype'
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^~~~~~
)
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h: At global
scope:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:397:65:
error: 'make_range_folder' function uses 'auto' type specifier without trailing return type
auto make_range_folder(Iterator&& it, const FoldingOperation& op)
^
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:397:65:
note: deduced return type only available with -std=c++14 or -std=gnu++14
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:660:66:
error: 'make_output_predicate_selector' function uses 'auto' type specifier without trailing
return type
auto make_output_predicate_selector(Iterator&& it, Predicate pred)
^
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:660:66:
note: deduced return type only available with -std=c++14 or -std=gnu++14
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h: In
constructor 'pm::binary_predicate_selector<IteratorPair,
Predicate>::binary_predicate_selector(const pm::binary_predicate_selector<typename
pm::iterator_traits<Iterator1>::iterator, Predicate2>&):'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:696:48:
error: 'remove_reference_t' in namespace 'std' does not name a template type

```

```

: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:696:48:
note: suggested alternative: 'remove_reference'
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^~~~~~

remove_reference
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:696:66:
error: expected '>' before '<' token
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:696:66:
error: expected '(' before '<' token
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^

(
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:696:66:
error: expected primary-expression before '<' token
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:696:67:
error: expected primary-expression before 'decltype'
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:696:67:
error: expected ')' before 'decltype'
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^~~~~~

)
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h: At global
scope:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:790:95:
error: 'make_binary_predicate_selector' function uses 'auto' type specifier without trailing
return type
auto make_binary_predicate_selector(Iterator1& first, Iterator2& second, const Predicate&
pred)
^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:790:95:
note: deduced return type only available with -std=c++14 or -std=gnu++14
In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/sparse.h:23,

```

```

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterator_zipper.h: In
constructor 'pm::binary_transform_eval<IteratorPair, Operation,
true>::binary_transform_eval(const pm::binary_transform_eval<typename
pm::iterator_traits<Iterator1>::iterator, Operation2, true>&)':
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/iterator_zipper.h:318:48: error: 'remove_reference_t' in
namespace 'std' does not name a template type
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^~~~~~
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/iterator_zipper.h:318:48: note: suggested alternative:
'remove_reference'
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^~~~~~
remove_reference
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/iterator_zipper.h:318:66: error: expected '>' before '<' token
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/iterator_zipper.h:318:66: error: expected '(' before '<' token
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^
(
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/iterator_zipper.h:318:66: error: expected primary-
expression before '<' token
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/iterator_zipper.h:318:67: error: expected primary-
expression before 'decltype'
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^~~~~~
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/iterator_zipper.h:318:67: error: expected ')' before

```

'decltype'

```
: base_t(static_cast<const typename std::remove_reference_t<decltype(it)>::base_t&>(it))
^~~~~~
)
```

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/GenericIO.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h: At global scope:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:156:12:

error: 'pure\_type\_t' does not name a type; did you mean 'ptr2type'?

```
typedef pure_type_t<Iterator> src_iterator;
```

^~~~~~

ptr2type

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:158:37:

error: 'src\_iterator' was not declared in this scope

```
typedef unary_transform_iterator<src_iterator, converter> iterator;
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:158:37: note:  
suggested alternative: 'has\_iterator'

```
typedef unary_transform_iterator<src_iterator, converter> iterator;
```

^~~~~~

has\_iterator

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:158:60:

error: template argument 1 is invalid

```
typedef unary_transform_iterator<src_iterator, converter> iterator;
```

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:171:12:

error: 'pure\_type\_t' does not name a type; did you mean 'ptr2type'?

```
typedef pure_type_t<Iterator> src_iterator;
```

^~~~~~

ptr2type

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:172:37:

error: 'src\_iterator' was not declared in this scope

```
typedef unary_transform_iterator<src_iterator, conv<typename
```

```
iterator_traits<Iterator>::value_type, pair<int, Target> > > iterator;
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:172:37: note:  
suggested alternative: 'has\_iterator'

```
typedef unary_transform_iterator<src_iterator, conv<typename
iterator_traits<Iterator>::value_type, pair<int, Target> > > iterator;
```

^~~~~~

has\_iterator

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:172:124:  
error: template argument 1 is invalid

```
typedef unary_transform_iterator<src_iterator, conv<typename
iterator_traits<Iterator>::value_type, pair<int, Target> > > iterator;
```

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:184:12:  
error: 'pure\_type\_t' does not name a type; did you mean 'ptr2type'?

```
typedef pure_type_t<Iterator> src_iterator;
```

^~~~~~

ptr2type

In file included from /home/laisrast/Downloads/polymake-  
3.2/include/core/polymake/internal/operations.h:21,  
from /home/laisrast/Downloads/polymake-  
3.2/include/core/polymake/internal/comparators\_ops.h:25,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,  
from /home/laisrast/Downloads/polymake-  
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In  
instantiation of 'struct pm::container\_category\_traits<pm::Series<int, true>, false>':  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:719:8:  
required from 'struct pm::default\_container\_traits<pm::Series<int, true>, false>'  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:722:8:  
required from 'struct pm::container\_traits<pm::Series<int, true> >'  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1099:94:  
required from 'const bool pm::default\_check\_container\_feature<pm::Series<int, true>,  
pm::end\_sensitive>::value'  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type\_manip.h:558:22:  
required from 'const bool pm::list\_search<pm::Series<int, true>, pm::end\_sensitive,

```

pm::check_container_feature>::value'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:562:64:
required from 'struct pm::list_search<pm::Series<int, true>, pm::end_sensitive,
pm::check_container_feature>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:633:8: [
skipping 18 instantiation contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:352:11:
required from 'struct
pm::derivation::test<pm::has_container_category_impl<pm::feature_collector<pm::Series<int,
true>, pm::sparse_compatible> > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:611:1:
required from 'struct pm::has_container_category<pm::feature_collector<pm::Series<int,
true>, pm::sparse_compatible> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:719:8:
required from 'struct pm::default_container_traits<pm::feature_collector<pm::Series<int, true>,
pm::sparse_compatible>, false>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:722:8:
required from 'struct pm::container_traits<pm::feature_collector<pm::Series<int, true>,
pm::sparse_compatible> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1252:8:
required from 'struct pm::ensure_features<pm::Series<int, true>, pm::sparse_compatible>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:185:56:
required from here
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:657:86:
error: invalid use of incomplete type 'struct pm::iterator_traits<pm::sequence_iterator<int,
true> >'

```

```

typedef typename iterator_traits<typename Container::iterator>::iterator_category category;
^~~~~~

```

```

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations.h:21,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:

note: declaration of 'struct pm::iterator\_traits<pm::sequence\_iterator<int, true> >'

struct iterator\_traits

^~~~~~

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/operations.h:21,

from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/comparators\_ops.h:25,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In

instantiation of 'const bool pm::default\_check\_container\_feature<pm::Series<int, true>,

pm::end\_sensitive>::value':

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type\_manip.h:558:22:

required from 'const bool pm::list\_search<pm::Series<int, true>, pm::end\_sensitive,

pm::check\_container\_feature>::value'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type\_manip.h:562:64:

required from 'struct pm::list\_search<pm::Series<int, true>, pm::end\_sensitive,

pm::check\_container\_feature>'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type\_manip.h:633:8:

required from 'struct pm::list\_search\_all<pm::Series<int, true>, pm::end\_sensitive,

pm::check\_container\_feature>'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type\_manip.h:650:40:

required from 'const bool pm::list\_search\_all\_second\_helper<pm::Series<int, true>,

pm::end\_sensitive, pm::indexed, pm::check\_container\_feature>::value'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type\_manip.h:651:62:

required from 'struct pm::list\_search\_all\_second\_helper<pm::Series<int, true>,

pm::end\_sensitive, pm::indexed, pm::check\_container\_feature>'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type\_manip.h:662:8: [

skipping 15 instantiation contexts, use -ftemplate-backtrace-limit=0 to disable ]

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type\_manip.h:352:11:

required from 'struct

pm::derivation::test<pm::has\_container\_category\_impl<pm::feature\_collector<pm::Series<int,

true>, pm::sparse\_compatible> > >'

```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:611:1:
required from 'struct pm::has_container_category<pm::feature_collector<pm::Series<int,
true>, pm::sparse_compatible> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:719:8:
required from 'struct pm::default_container_traits<pm::feature_collector<pm::Series<int, true>,
pm::sparse_compatible>, false>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:722:8:
required from 'struct pm::container_traits<pm::feature_collector<pm::Series<int, true>,
pm::sparse_compatible> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1252:8:
required from 'struct pm::ensure_features<pm::Series<int, true>, pm::sparse_compatible>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:185:56:
required from here
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1099:94:
error: no type named 'iterator' in 'struct pm::container_traits<pm::Series<int, true> >'
check_iterator_feature<typename container_traits<Container>::iterator, Feature>::value &&
~~~~~
~~~~~^~
!list_search_all<Feature, typename
enforce_feature_helper<Container>::must_enforce_features, absorbing_feature>::value;
~~~~~
~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In
instantiation of 'const bool pm::default_check_container_feature<pm::Series<int, true>,
pm::indexed>::value':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:558:22:
required from 'const bool pm::list_search<pm::Series<int, true>, pm::indexed,
pm::check_container_feature>::value'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:562:64:
required from 'struct pm::list_search<pm::Series<int, true>, pm::indexed,
pm::check_container_feature>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:633:8:
required from 'struct pm::list_search_all<pm::Series<int, true>, pm::indexed,
pm::check_container_feature>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:650:40:
required from 'const bool pm::list_search_all_second_helper<pm::Series<int, true>,
pm::end_sensitive, pm::indexed, pm::check_container_feature>::value'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:651:62:
required from 'struct pm::list_search_all_second_helper<pm::Series<int, true>,

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pm::end_sensitive, pm::indexed, pm::check_container_feature>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:662:8: [
skipping 15 instantiation contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:352:11:
required from 'struct
pm::derivation::test<pm::has_container_category_impl<pm::feature_collector<pm::Series<int,
true>, pm::sparse_compatible> > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:611:1:
required from 'struct pm::has_container_category<pm::feature_collector<pm::Series<int,
true>, pm::sparse_compatible> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:719:8:
required from 'struct pm::default_container_traits<pm::feature_collector<pm::Series<int, true>,
pm::sparse_compatible>, false>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:722:8:
required from 'struct pm::container_traits<pm::feature_collector<pm::Series<int, true>,
pm::sparse_compatible> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1252:8:
required from 'struct pm::ensure_features<pm::Series<int, true>, pm::sparse_compatible>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:185:56:
required from here
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1099:94:
error: no type named 'iterator' in 'struct pm::container_traits<pm::Series<int, true> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In
instantiation of 'struct pm::container_category_traits<pm::feature_collector<pm::Series<int,
true>, pm::cons<pm::end_sensitive, pm::indexed> >, false>':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:719:8:
required from 'struct pm::default_container_traits<pm::feature_collector<pm::Series<int, true>,
pm::cons<pm::end_sensitive, pm::indexed> >, false>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:722:8:
required from 'struct pm::container_traits<pm::feature_collector<pm::Series<int, true>,
pm::cons<pm::end_sensitive, pm::indexed> > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1252:8:
required from 'struct pm::ensure_features<pm::Series<int, true>, pm::cons<pm::end_sensitive,
pm::indexed> >'
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:52:74: required from 'class
pm::redirected_container_typebase<pm::construct_sparse_compatible<pm::Series<int, true>
>, polymake::mlist<pm::HiddenTag<pm::Series<int, true> >,
pm::ExpectedFeaturesTag<pm::cons<pm::end_sensitive, pm::indexed> > > >'

```

```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:32:7:
required from 'class pm::construct_sparse_compatible<pm::Series<int, true> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1218:7: [
skipping 3 instantiation contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:352:11:
required from 'struct
pm::derivation::test<pm::has_container_category_impl<pm::feature_collector<pm::Series<int,
true>, pm::sparse_compatible> > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:611:1:
required from 'struct pm::has_container_category<pm::feature_collector<pm::Series<int,
true>, pm::sparse_compatible> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:719:8:
required from 'struct pm::default_container_traits<pm::feature_collector<pm::Series<int, true>,
pm::sparse_compatible>, false>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:722:8:
required from 'struct pm::container_traits<pm::feature_collector<pm::Series<int, true>,
pm::sparse_compatible> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1252:8:
required from 'struct pm::ensure_features<pm::Series<int, true>, pm::sparse_compatible>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:185:56:
required from here
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:657:86:
error: no type named 'iterator' in 'class pm::feature_collector<pm::Series<int, true>,
pm::cons<pm::end_sensitive, pm::indexed> >'
typedef typename iterator_traits<typename Container::iterator>::iterator_category category;
^~~~~~

```

```

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/SelectedSubset.h:21,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:22,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h: In instantiation of 'class
pm::redirected_container_typebase<pm::construct_sparse_compatible<pm::Series<int, true>
>, polymake::mlist<pm::HiddenTag<pm::Series<int, true> >,
pm::ExpectedFeaturesTag<pm::cons<pm::end_sensitive, pm::indexed> > > >':

```

```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:32:7:
required from 'class pm::construct_sparse_compatible<pm::Series<int, true> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1218:7:
required from 'class pm::feature_collector<pm::Series<int, true>, pm::sparse_compatible>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:611:1:
required by substitution of 'template<class T2> static typename pm::size_discriminant<(2 -
std::is_same<typename T2::container_category, void>::value)>::type
pm::has_container_category_impl<pm::feature_collector<pm::Series<int, true>,
pm::sparse_compatible> >::Test<T2>(const T2*, typename T2::container_category*) [with T2
= pm::feature_collector<pm::Series<int, true>, pm::sparse_compatible>]'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:348:51:
required from 'const bool
pm::derivation::test_impl<pm::has_container_category_impl<pm::feature_collector<pm::Series
<int, true>, pm::sparse_compatible> > >::value'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:352:11:
required from 'struct
pm::derivation::test<pm::has_container_category_impl<pm::feature_collector<pm::Series<int,
true>, pm::sparse_compatible> > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:611:1:
required from 'struct pm::has_container_category<pm::feature_collector<pm::Series<int,
true>, pm::sparse_compatible> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:719:8:
required from 'struct pm::default_container_traits<pm::feature_collector<pm::Series<int, true>,
pm::sparse_compatible>, false>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:722:8:
required from 'struct pm::container_traits<pm::feature_collector<pm::Series<int, true>,
pm::sparse_compatible> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1252:8:
required from 'struct pm::ensure_features<pm::Series<int, true>, pm::sparse_compatible>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:185:56:
required from here
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:52:74: error: no type named 'iterator'
in 'struct pm::ensure_features<pm::Series<int, true>, pm::cons<pm::end_sensitive,
pm::indexed> >'
typedef typename ensure_features<container,needed_features>::iterator iterator;
^~~~~~
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:53:80: error: no type named

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'const_iterator' in 'struct pm::ensure_features<pm::Series<int, true>,
pm::cons<pm::end_sensitive, pm::indexed> >'
typedef typename ensure_features<container,needed_features>::const_iterator const_iterator;
^~~~~~
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:58:61: error: no type named
'value_type' in 'struct pm::container_traits<pm::Series<int, true> >'
typedef typename container_traits<container>::value_type value_type;
^~~~~~
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:59:60: error: no type named
'reference' in 'struct pm::container_traits<pm::Series<int, true> >'
typedef typename container_traits<container>::reference reference;
^~~~~~
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:60:66: error: no type named
'const_reference' in 'struct pm::container_traits<pm::Series<int, true> >'
typedef typename container_traits<container>::const_reference const_reference;
^~~~~~
In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h: In
instantiation of 'class pm::construct_sparse_compatible<pm::Series<int, true> >':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1218:7:
required from 'class pm::feature_collector<pm::Series<int, true>, pm::sparse_compatible>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:611:1:
required by substitution of 'template<class T2> static typename pm::size_discriminant<(2 -
std::is_same<typename T2::container_category, void>::value)>::type
pm::has_container_category_impl<pm::feature_collector<pm::Series<int, true>,
pm::sparse_compatible> >::Test<T2>(const T2*, typename T2::container_category*) [with T2
= pm::feature_collector<pm::Series<int, true>, pm::sparse_compatible>]'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:348:51:
required from 'const bool
pm::derivation::test_impl<pm::has_container_category_impl<pm::feature_collector<pm::Series
<int, true>, pm::sparse_compatible> > >::value'

```

```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:352:11:
required from 'struct
pm::derivation::test<pm::has_container_category_impl<pm::feature_collector<pm::Series<int,
true>, pm::sparse_compatible> > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:611:1:
required from 'struct pm::has_container_category<pm::feature_collector<pm::Series<int,
true>, pm::sparse_compatible> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:719:8:
required from 'struct pm::default_container_traits<pm::feature_collector<pm::Series<int, true>,
pm::sparse_compatible>, false>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:722:8:
required from 'struct pm::container_traits<pm::feature_collector<pm::Series<int, true>,
pm::sparse_compatible> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1252:8:
required from 'struct pm::ensure_features<pm::Series<int, true>, pm::sparse_compatible>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:185:56:
required from here
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:36:62: error:
invalid use of incomplete type 'class pm::construct_sparse_compatible<pm::Series<int, true>
>'
typedef redirected_container<construct_sparse_compatible> base_t;
^~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:32:7: note:
definition of 'class pm::construct_sparse_compatible<pm::Series<int, true> >' is not complete
until the closing brace
class construct_sparse_compatible
^~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:40:9: error:
invalid use of incomplete type 'class pm::construct_sparse_compatible<pm::Series<int, true>
>'
void erase(const typename base_t::iterator& where)
^~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:32:7: note:
definition of 'class pm::construct_sparse_compatible<pm::Series<int, true> >' is not complete
until the closing brace
class construct_sparse_compatible
^~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:47:9: error:
invalid use of incomplete type 'class pm::construct_sparse_compatible<pm::Series<int, true>

```

>'

```
void insert(const typename base_t::iterator&, int, const typename base_t::value_type&) {}
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:32:7: note: definition of 'class pm::construct\_sparse\_compatible<pm::Series<int, true> >' is not complete until the closing brace

```
class construct_sparse_compatible
```

^~~~~~

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/operations.h:21,

from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/comparators\_ops.h:25,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In

instantiation of 'struct pm::container\_category\_traits<pm::feature\_collector<pm::Series<int, true>, pm::sparse\_compatible>, false>':

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:719:8:

required from 'struct pm::default\_container\_traits<pm::feature\_collector<pm::Series<int, true>, pm::sparse\_compatible>, false>'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:722:8:

required from 'struct pm::container\_traits<pm::feature\_collector<pm::Series<int, true>, pm::sparse\_compatible> >'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1252:8:

required from 'struct pm::ensure\_features<pm::Series<int, true>, pm::sparse\_compatible>'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:185:56:

required from here

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:657:86:

error: no type named 'iterator' in 'class pm::feature\_collector<pm::Series<int, true>, pm::sparse\_compatible>'

```
typedef typename iterator_traits<typename Container::iterator>::iterator_category category;
```

^~~~~~

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/GenericIO.h:20,

```

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:185:58:
error: 'const_iterator' in 'struct pm::ensure_features<pm::Series<int, true>,
pm::sparse_compatible>' does not name a type
typedef ensure_features<sequence, sparse_compatible>::const_iterator indexer;
^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:186:26:
error: 'src_iterator' was not declared in this scope
typedef iterator_pair<src_iterator, indexer, mlist<FeaturesViaSecondTag<indexed>>> it_pair;
^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:186:26: note:
suggested alternative: 'has_iterator'
typedef iterator_pair<src_iterator, indexer, mlist<FeaturesViaSecondTag<indexed>>> it_pair;
^~~~~~

has_iterator
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:186:40:
error: 'indexer' was not declared in this scope
typedef iterator_pair<src_iterator, indexer, mlist<FeaturesViaSecondTag<indexed>>> it_pair;
^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:186:40: note:
suggested alternative: 'indexed'
typedef iterator_pair<src_iterator, indexer, mlist<FeaturesViaSecondTag<indexed>>> it_pair;
^~~~~~

indexed
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:186:85:
error: template argument 1 is invalid
typedef iterator_pair<src_iterator, indexer, mlist<FeaturesViaSecondTag<indexed>>> it_pair;
^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:186:85:
error: template argument 2 is invalid
In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/sparse.h:22,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-

```

```

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h: In
instantiation of 'class pm::unary_predicate_selector<int,
pm::BuildUnary<pm::operations::non_zero> >':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:190:4:
required from here
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:32:7: error:
base type 'int' fails to be a struct or class type
class unary_predicate_selector : public Iterator {
^~~~~~

```

```

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations.h:21,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In
instantiation of 'struct pm::unary_helper<int, pm::BuildUnary<pm::operations::non_zero> >':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:36:31:
required from 'class pm::unary_predicate_selector<int,
pm::BuildUnary<pm::operations::non_zero> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:190:4:
required from here
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1401:8:
error: invalid use of incomplete type 'struct pm::iterator_traits<int>'
struct unary_helper
^~~~~~

```

```

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations.h:21,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,

```

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,  
from /home/laisrast/Downloads/polymake-  
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:  
note: declaration of 'struct pm::iterator\_traits<int>'

```
struct iterator_traits
^~~~~~
```

In file included from /home/laisrast/Downloads/polymake-  
3.2/include/core/polymake/internal/operations.h:21,  
from /home/laisrast/Downloads/polymake-  
3.2/include/core/polymake/internal/comparators\_ops.h:25,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,  
from /home/laisrast/Downloads/polymake-  
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1403:83:  
error: invalid use of incomplete type 'struct pm::unary\_helper<int,  
pm::BuildUnary<pm::operations::non\_zero> >'

```
typedef star_helper<Iterator, typename unary_helper::operation::argument_type> star;
^~~~
```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1401:8:  
note: definition of 'struct pm::unary\_helper<int, pm::BuildUnary<pm::operations::non\_zero> >'  
is not complete until the closing brace

```
struct unary_helper
^~~~~~
```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1405:44:  
error: invalid use of incomplete type 'struct pm::unary\_helper<int,  
pm::BuildUnary<pm::operations::non\_zero> >'  
static typename star::const\_result\_type get(const Iterator& it) { return star::get(it); }

```
^~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1401:8:
note: definition of 'struct pm::unary_helper<int, pm::BuildUnary<pm::operations::non_zero> >'
is not complete until the closing brace
```

```
struct unary_helper
^~~~~~
```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1406:46:  
error: invalid use of incomplete type 'struct pm::unary\_helper<int,  
pm::BuildUnary<pm::operations::non\_zero> >'  
static typename star::mutable\_result\_type get(Iterator& it) { return star::get(it); }  
^~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1401:8:  
note: definition of 'struct pm::unary\_helper<int, pm::BuildUnary<pm::operations::non\_zero> >'  
is not complete until the closing brace  
struct unary\_helper  
^~~~~~

In file included from /home/laisrast/Downloads/polymake-  
3.2/include/core/polymake/internal/sparse.h:22,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,  
from /home/laisrast/Downloads/polymake-  
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h: In  
instantiation of 'class pm::unary\_predicate\_selector<int,  
pm::BuildUnary<pm::operations::non\_zero> >':  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:190:4:  
required from here  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:36:31:  
error: no type named 'operation' in 'struct pm::unary\_helper<int,  
pm::BuildUnary<pm::operations::non\_zero> >'  
typename helper::operation pred;  
^~~~

In file included from /home/laisrast/Downloads/polymake-  
3.2/include/core/polymake/internal/sparse.h:22,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,  
from /home/laisrast/Downloads/polymake-  
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:45:130:  
error: invalid use of incomplete type 'struct pm::iterator\_traits<int>'  
typedef typename least\_derived\_class<typename iterator\_traits<Iterator>::iterator\_category,  
bidirectional\_iterator\_tag>::type iterator\_category;  
^~~~~~

In file included from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/operations.h:21,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/comparators\_ops.h:25,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,  
from /home/laisrast/Downloads/polymake-3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:  
note: declaration of 'struct pm::iterator\_traits<int>'  
struct iterator\_traits  
^~~~~~

In file included from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:22,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,  
from /home/laisrast/Downloads/polymake-3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:46:94:  
error: invalid use of incomplete type 'struct pm::iterator\_traits<int>'  
typedef unary\_predicate\_selector<typename iterator\_traits<Iterator>::iterator, Predicate>  
iterator;  
^~~~~~

In file included from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/operations.h:21,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/comparators\_ops.h:25,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,  
from /home/laisrast/Downloads/polymake-3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:

note: declaration of 'struct pm::iterator\_traits<int>'

struct iterator\_traits

^~~~~~

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/sparse.h:22,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:47:100:

error: invalid use of incomplete type 'struct pm::iterator\_traits<int>'

typedef unary\_predicate\_selector<typename iterator\_traits<Iterator>::const\_iterator,

Predicate> const\_iterator;

^~~~~~

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/operations.h:21,

from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/comparators\_ops.h:25,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:

note: declaration of 'struct pm::iterator\_traits<int>'

struct iterator\_traits

^~~~~~

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/sparse.h:22,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:52:4: error:

invalid use of incomplete type 'struct pm::iterator\_traits<int>'

```
unary_predicate_selector(const unary_predicate_selector<typename
iterator_traits<Iterator>::iterator, Predicate2>& it)
```

^~~~~~

In file included from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/operations.h:21,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/comparators\_ops.h:25,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,  
from /home/laisrast/Downloads/polymake-3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:  
note: declaration of 'struct pm::iterator\_traits<int>'

```
struct iterator_traits
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In  
instantiation of 'const bool pm::iterator\_category\_booleans<int>::is\_bidirectional':  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:122:8:  
required from 'struct pm::iterator\_reversed<int>'  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:57:13:  
required from 'class pm::unary\_predicate\_selector<int,  
pm::BuildUnary<pm::operations::non\_zero> >'  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:190:4:  
required from here  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:98:7: error:  
no type named 'iterator\_category' in 'struct std::iterator\_traits<int>'  
is\_bidirectional=

^~~~~~

In file included from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:22,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,  
from /home/laisrast/Downloads/polymake-3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h: In

```
instantiation of 'class pm::unary_predicate_selector<int,
pm::BuildUnary<pm::operations::non_zero> >':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:190:4:
required from here
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:57:13:
error: no type named 'type' in 'struct pm::iterator_reversed<int>'
explicit unary_predicate_selector(const unary_predicate_selector<typename
iterator_reversed<Iterator>::type, Predicate2>& it)
```

^~~~~~

```
In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h: In member
function 'pm::construct_sparse_iterator<Iterator, Target, typename std::enable_if<(((!
pm::check_iterator_feature<Iterator, pm::indexed>::value) &&
pm::isomorphic_types<typename pm::iterator_traits<Iterator>::value_type, Target>::value) &&
std::is_convertible<typename pm::iterator_traits<Iterator>::value_type,
Target>::value)>::type>::iterator pm::construct_sparse_iterator<Iterator, Target, typename
std::enable_if<(((! pm::check_iterator_feature<Iterator, pm::indexed>::value) &&
pm::isomorphic_types<typename pm::iterator_traits<Iterator>::value_type, Target>::value) &&
std::is_convertible<typename pm::iterator_traits<Iterator>::value_type,
Target>::value)>::type>::operator()(const Iterator&, int) const':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:191:75:
error: 'pm::ensure_features_helper<const pm::Series<int, true>,
pm::sparse_compatible>::container' {aka 'const class pm::feature_collector<pm::Series<int,
true>, pm::sparse_compatible>'} has no member named 'begin'
return it_pair(src, ensure(sequence(0, dim), (sparse_compatible*)0).begin());
```

^~~~~

```
In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations.h:21,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
```

```

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In
instantiation of 'struct pm::const_compatible_with<int>':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2086:110:
required from 'struct pm::suitable_arg_for_iterator<int, int>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:62:14:
required by substitution of 'template<class Sourcelerator, class suitable>
pm::unary_predicate_selector<int, pm::BuildUnary<pm::operations::non_zero>
>::unary_predicate_selector(const Sourcelerator&, bool) [with Sourcelerator = int; suitable =
<missing>]
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:191:82:
required from here
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:148:8:
error: invalid use of incomplete type 'struct pm::iterator_traits<int>'
struct const_compatible_with
^~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:
note: declaration of 'struct pm::iterator_traits<int>'
struct iterator_traits
^~~~~~
In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations.h:21,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In
instantiation of 'struct pm::suitable_arg_for_iterator<int, int>':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:62:14:
required by substitution of 'template<class Sourcelerator, class suitable>
pm::unary_predicate_selector<int, pm::BuildUnary<pm::operations::non_zero>
>::unary_predicate_selector(const Sourcelerator&, bool) [with Sourcelerator = int; suitable =

```

<missing>]'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:191:82:

required from here

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2086:110:

error: no type named 'type' in 'struct pm::const\_compatible\_with<int>'

: std::enable\_if<is\_derived\_from\_any<SourceIterator, typename

const\_compatible\_with<Target>::type>::value ||

~~~~~

~~~~~^~

can\_construct\_any<SourceIterator, typename const\_compatible\_with<Target>::type>::value>

{};

~~~~~

~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:2086:110:

error: no type named 'type' in 'struct pm::const\_compatible\_with<int>'

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/GenericIO.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:191:14:

error: could not convert 'pm::construct\_sparse\_iterator<Iterator, Target, typename

std::enable\_if<((! pm::check\_iterator\_feature<Iterator, pm::indexed>::value) &&

pm::isomorphic\_types<typename pm::iterator\_traits<Iterator>::value\_type, Target>::value) &&

std::is\_convertible<typename pm::iterator\_traits<Iterator>::value\_type,

Target>::value>::type>::it\_pair(src, <expression error>)' from

'pm::construct\_sparse\_iterator<Iterator, Target, typename std::enable\_if<((!

pm::check\_iterator\_feature<Iterator, pm::indexed>::value) &&

pm::isomorphic\_types<typename pm::iterator\_traits<Iterator>::value\_type, Target>::value) &&

std::is\_convertible<typename pm::iterator\_traits<Iterator>::value\_type,

Target>::value>::type>::it\_pair' {aka 'int'} to 'pm::construct\_sparse\_iterator<Iterator, Target,

typename std::enable\_if<((! pm::check\_iterator\_feature<Iterator, pm::indexed>::value) &&

pm::isomorphic\_types<typename pm::iterator\_traits<Iterator>::value\_type, Target>::value) &&

std::is\_convertible<typename pm::iterator\_traits<Iterator>::value\_type,

Target>::value>::type>::iterator' {aka 'pm::unary\_predicate\_selector<int,

pm::BuildUnary<pm::operations::non\_zero> >'}

return it\_pair(src, ensure(sequence(0, dim), (sparse\_compatible\*0).begin()));

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h: At global scope:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:203:12:

error: 'pure\_type\_t' does not name a type; did you mean 'ptr2type'?

```
typedef pure_type_t<Iterator> src_iterator;
```

^~~~~~

ptr2type

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:204:58:

error: 'const\_iterator' in 'struct pm::ensure\_features<pm::Series<int, true>,

pm::sparse\_compatible>' does not name a type

```
typedef ensure_features<sequence, sparse_compatible>::const_iterator indexer;
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:205:26:

error: 'src\_iterator' was not declared in this scope

```
typedef iterator_pair<src_iterator, indexer, mlist<FeaturesViaSecondTag<indexed>>> it_pair;
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:205:26: note:

suggested alternative: 'has\_iterator'

```
typedef iterator_pair<src_iterator, indexer, mlist<FeaturesViaSecondTag<indexed>>> it_pair;
```

^~~~~~

has\_iterator

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:205:40:

error: 'indexer' was not declared in this scope

```
typedef iterator_pair<src_iterator, indexer, mlist<FeaturesViaSecondTag<indexed>>> it_pair;
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:205:40: note:

suggested alternative: 'indexed'

```
typedef iterator_pair<src_iterator, indexer, mlist<FeaturesViaSecondTag<indexed>>> it_pair;
```

^~~~~~

indexed

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:205:85:

error: template argument 1 is invalid

```
typedef iterator_pair<src_iterator, indexer, mlist<FeaturesViaSecondTag<indexed>>> it_pair;
```

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:205:85:

error: template argument 2 is invalid

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h: In member

function 'pm::construct\_sparse\_iterator<Iterator, Target, typename std::enable\_if<(((!

pm::check\_iterator\_feature<Iterator, pm::indexed>::value) &&

```

pm::isomorphic_types<typename pm::iterator_traits<Iterator>::value_type, Target>::value) &&
(! std::is_convertible<typename pm::iterator_traits<Iterator>::value_type, Target>::value)) &&
pm::explicitly_convertible_to<typename pm::iterator_traits<Iterator>::value_type,
Target>::value>::type>::iterator pm::construct_sparse_iterator<Iterator, Target, typename
std::enable_if<((((! pm::check_iterator_feature<Iterator, pm::indexed>::value) &&
pm::isomorphic_types<typename pm::iterator_traits<Iterator>::value_type, Target>::value) &&
(! std::is_convertible<typename pm::iterator_traits<Iterator>::value_type, Target>::value)) &&
pm::explicitly_convertible_to<typename pm::iterator_traits<Iterator>::value_type,
Target>::value)>::type>::operator()(const Iterator&, int) const':

```

```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:212:81:
error: 'pm::ensure_features_helper<const pm::Series<int, true>,
pm::sparse_compatible>::container' {aka 'const class pm::feature_collector<pm::Series<int,
true>, pm::sparse_compatible>'} has no member named 'begin'
return filter(it_pair(src, ensure(sequence(0,dim), (sparse_compatible*)0).begin()));

```

^~~~~~

In file included from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:21,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/assoc.h: At global scope:

```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/assoc.h:88:46: error:
expected ')' before '<' token

```

```

associative_access(std::remove_reference_t<TMapRef>* map_arg=nullptr) : map(map_arg) {}
~ ^

```

)

```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/assoc.h:89:53: error:
'remove_const_t' is not a member of 'std'

```

```

associative_access(const associative_access<std::remove_const_t<TMapRef>, TKey>& op) :
map(op.map) {}

```

^~~~~~

```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/assoc.h:89:53: note:
suggested alternative: 'remove_const'

```

```

associative_access(const associative_access<std::remove_const_t<TMapRef>, TKey>& op) :
map(op.map) {}

```

^~~~~~

remove\_const

```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/assoc.h:89:53: error:

```

'remove\_const\_t' is not a member of 'std'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/assoc.h:89:53: note:  
suggested alternative: 'remove\_const'

```
associative_access(const associative_access<std::remove_const_t<TMapRef>, TKey>& op) :
map(op.map) {}
```

^~~~~~

remove\_const

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/assoc.h:89:75: error:  
wrong number of template arguments (1, should be 2)

```
associative_access(const associative_access<std::remove_const_t<TMapRef>, TKey>& op) :
map(op.map) {}
```

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/assoc.h:84:7: note:  
provided for 'template<class TMapRef, class TKey> class pm::operations::associative\_access'  
class associative\_access {

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/assoc.h:89:53: error:  
'remove\_const\_t' is not a member of 'std'

```
associative_access(const associative_access<std::remove_const_t<TMapRef>, TKey>& op) :
map(op.map) {}
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/assoc.h:89:53: note:  
suggested alternative: 'remove\_const'

```
associative_access(const associative_access<std::remove_const_t<TMapRef>, TKey>& op) :
map(op.map) {}
```

^~~~~~

remove\_const

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/assoc.h:89:53: error:  
'remove\_const\_t' is not a member of 'std'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/assoc.h:89:53: note:  
suggested alternative: 'remove\_const'

```
associative_access(const associative_access<std::remove_const_t<TMapRef>, TKey>& op) :
map(op.map) {}
```

^~~~~~

remove\_const

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/assoc.h:89:75: error:  
wrong number of template arguments (1, should be 2)

```
associative_access(const associative_access<std::remove_const_t<TMapRef>, TKey>& op) :
map(op.map) {}
```

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/assoc.h:84:7: note:  
provided for 'template<class TMapRef, class TKey> class pm::operations::associative\_access'

class associative\_access {

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/assoc.h:89:53: error:  
'remove\_const\_t' is not a member of 'std'

associative\_access(const associative\_access<std::remove\_const\_t<TMapRef>, TKey>& op) :  
map(op.map) {}

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/assoc.h:89:53: note:  
suggested alternative: 'remove\_const'

associative\_access(const associative\_access<std::remove\_const\_t<TMapRef>, TKey>& op) :  
map(op.map) {}

^~~~~~

remove\_const

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/assoc.h:89:53: error:  
'remove\_const\_t' is not a member of 'std'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/assoc.h:89:53: note:  
suggested alternative: 'remove\_const'

associative\_access(const associative\_access<std::remove\_const\_t<TMapRef>, TKey>& op) :  
map(op.map) {}

^~~~~~

remove\_const

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/assoc.h:89:75: error:  
wrong number of template arguments (1, should be 2)

associative\_access(const associative\_access<std::remove\_const\_t<TMapRef>, TKey>& op) :  
map(op.map) {}

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/assoc.h:84:7: note:  
provided for 'template<class TMapRef, class TKey> class pm::operations::associative\_access'

class associative\_access {

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/assoc.h:89:29: error:  
'pm::operations::associative\_access<TMapRef, TKey>' is not a template

associative\_access(const associative\_access<std::remove\_const\_t<TMapRef>, TKey>& op) :  
map(op.map) {}

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/assoc.h:89:53: error:

'remove\_const\_t' is not a member of 'std'

```
associative_access(const associative_access<std::remove_const_t<TMapRef>, TKey>& op) :
map(op.map) {}
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/assoc.h:89:53: note:  
suggested alternative: 'remove\_const'

```
associative_access(const associative_access<std::remove_const_t<TMapRef>, TKey>& op) :
map(op.map) {}
```

^~~~~~

remove\_const

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/assoc.h:89:53: error:  
'remove\_const\_t' is not a member of 'std'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/assoc.h:89:53: note:  
suggested alternative: 'remove\_const'

```
associative_access(const associative_access<std::remove_const_t<TMapRef>, TKey>& op) :
map(op.map) {}
```

^~~~~~

remove\_const

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/assoc.h:89:75: error:  
expected primary-expression before '>' token

```
associative_access(const associative_access<std::remove_const_t<TMapRef>, TKey>& op) :
map(op.map) {}
```

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/assoc.h:89:82: error:  
expected ',' or '...' before '>' token

```
associative_access(const associative_access<std::remove_const_t<TMapRef>, TKey>& op) :
map(op.map) {}
```

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/assoc.h:92:47: error:  
'remove\_reference\_t' in namespace 'std' does not name a template type

```
typedef typename inherit_ref<typename std::remove_reference_t<TMapRef>::mapped_type,
TMapRef>::type result_type;
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/assoc.h:92:47: note:  
suggested alternative: 'remove\_reference'

```
typedef typename inherit_ref<typename std::remove_reference_t<TMapRef>::mapped_type,
TMapRef>::type result_type;
```

^~~~~~

remove\_reference

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/assoc.h:92:65: error:  
expected template-argument before '<' token

```
typedef typename inherit_ref<typename std::remove_reference_t<TMapRef>::mapped_type,
TMapRef>::type result_type;
^
```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/assoc.h:92:65: error:  
expected '>' before '<' token

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/assoc.h:92:96: error:  
wrong number of template arguments (1, should be 2)

```
typedef typename inherit_ref<typename std::remove_reference_t<TMapRef>::mapped_type,
TMapRef>::type result_type;
^
```

In file included from /home/laisrast/Downloads/polymake-  
3.2/include/core/polymake/internal/operations\_basic\_defs.h:20,  
from /home/laisrast/Downloads/polymake-  
3.2/include/core/polymake/internal/comparators\_basic\_defs.h:20,  
from /home/laisrast/Downloads/polymake-  
3.2/include/core/polymake/internal/comparators\_ops.h:23,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,  
from /home/laisrast/Downloads/polymake-  
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type\_manip.h:225:8:  
note: provided for 'template<class T, class From> struct pm::inherit\_ref'

```
struct inherit_ref {
^~~~~~
```

In file included from /home/laisrast/Downloads/polymake-  
3.2/include/core/polymake/perl/Value.h:21,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,  
from /home/laisrast/Downloads/polymake-  
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/assoc.h: In  
constructor 'pm::operations::associative\_access<TMapRef,  
TKey>::associative\_access(pm::operations::associative\_access<TMapRef, TKey>, TKey)':  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/assoc.h:89:95: error:  
'op' was not declared in this scope

```
associative_access(const associative_access<std::remove_const_t<TMapRef>, TKey>& op) :
map(op.map) {}
```

^~

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/client.h:21,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h: At global scope:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:591:45: error:

'type\_behind\_t' was not declared in this scope

```
struct numeric_traits : std::numeric_limits<type_behind_t<T>> {
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:591:45: note:

suggested alternative: 'type\_behind'

```
struct numeric_traits : std::numeric_limits<type_behind_t<T>> {
```

^~~~~~

type\_behind

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:591:59: error:

template argument 1 is invalid

```
struct numeric_traits : std::numeric_limits<type_behind_t<T>> {
```

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:591:60: error:

expected '{' before '>' token

```
struct numeric_traits : std::numeric_limits<type_behind_t<T>> {
```

^~

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/client.h:21,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1047:46: error:

'pure\_type\_t' was not declared in this scope

```
typename std::enable_if<is_class_or_union<pure_type_t<SourceRef>>::value &&
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1047:46: note:

suggested alternative: 'ptr2type'

```
typename std::enable_if<is_class_or_union<pure_type_t<SourceRef>>::value &&
```

^~~~~~

ptr2type

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1047:58: error:

template argument 1 is invalid

typename std::enable\_if<is\_class\_or\_union<pure\_type\_t<SourceRef>>::value &&

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1047:67: error:

template argument 1 is invalid

typename std::enable\_if<is\_class\_or\_union<pure\_type\_t<SourceRef>>::value &&

^~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1048:28: error:

expected unqualified-id before '!' token

!(is\_derived\_from\_any<pure\_type\_t<SourceRef>, nomagic\_types>::value ||

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1096:65: error:

'pure\_type\_t' was not declared in this scope

typename std::enable\_if<!std::is\_same<typename

object\_traits<pure\_type\_t<SourceRef>>::proxy\_for, void>::value, Anchor\*>::type

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1096:65: note:

suggested alternative: 'ptr2type'

typename std::enable\_if<!std::is\_same<typename

object\_traits<pure\_type\_t<SourceRef>>::proxy\_for, void>::value, Anchor\*>::type

^~~~~~

ptr2type

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1096:77: error:

template argument 1 is invalid

typename std::enable\_if<!std::is\_same<typename

object\_traits<pure\_type\_t<SourceRef>>::proxy\_for, void>::value, Anchor\*>::type

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1096:77: error:

template argument 2 is invalid

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1096:86: error:

wrong number of template arguments (1, should be 2)

typename std::enable\_if<!std::is\_same<typename

object\_traits<pure\_type\_t<SourceRef>>::proxy\_for, void>::value, Anchor\*>::type

^~

In file included from /usr/include/c++/8.2.0/bits/move.h:55,

from /usr/include/c++/8.2.0/bits/stl\_pair.h:59,

from /usr/include/c++/8.2.0/bits/stl\_algobase.h:64,

from /usr/include/c++/8.2.0/bits/char\_traits.h:39,

from /usr/include/c++/8.2.0/string:40,

```

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/AnyString.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/constants.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:20,
from /home/laisrast/Downloads/polymake-3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/usr/include/c++/8.2.0/type_traits:1328:12: note: provided for 'template<class, class> struct
std::is_same'
struct is_same
^~~~~~

In file included from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1096:105: error:
template argument 1 is invalid
typename std::enable_if<!std::is_same<typename
object_traits<pure_type_t<SourceRef>>::proxy_for, void>::value, Anchor*>::type
^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1096:113: error:
expected unqualified-id before ',' token
typename std::enable_if<!std::is_same<typename
object_traits<pure_type_t<SourceRef>>::proxy_for, void>::value, Anchor*>::type
^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1120:105: error:
'pure_type_t' was not declared in this scope
typename std::enable_if<!mlist_contains<mlist_concat<primitive_lvalues,
nomagic_lvalue_types>::type, pure_type_t<SourceRef>>::value, void>::type
^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1120:105: note:
suggested alternative: 'ptr2type'
typename std::enable_if<!mlist_contains<mlist_concat<primitive_lvalues,
nomagic_lvalue_types>::type, pure_type_t<SourceRef>>::value, void>::type
^~~~~~

ptr2type
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1120:117: error:
template argument 2 is invalid
typename std::enable_if<!mlist_contains<mlist_concat<primitive_lvalues,
nomagic_lvalue_types>::type, pure_type_t<SourceRef>>::value, void>::type
^~~~~~

```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1120:126: error:  
template argument 1 is invalid

```
typename std::enable_if<!mlist_contains<mlist_concat<primitive_lvalues,
nomagic_lvalue_types>::type, pure_type_t<SourceRef>>::value, void>::type
^~
```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1120:135: error:  
expected unqualified-id before ‘,’ token

```
typename std::enable_if<!mlist_contains<mlist_concat<primitive_lvalues,
nomagic_lvalue_types>::type, pure_type_t<SourceRef>>::value, void>::type
^
```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1136:62: error:  
‘pure\_type\_t’ was not declared in this scope

```
typename std::enable_if<mlist_contains<primitive_lvalues, pure_type_t<SourceRef>>::value,
void>::type
^~~~~~
```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1136:62: note:  
suggested alternative: ‘ptr2type’

```
typename std::enable_if<mlist_contains<primitive_lvalues, pure_type_t<SourceRef>>::value,
void>::type
^~~~~~
```

ptr2type

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1136:74: error:  
template argument 2 is invalid

```
typename std::enable_if<mlist_contains<primitive_lvalues, pure_type_t<SourceRef>>::value,
void>::type
^~~~~~
```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1136:83: error:  
template argument 1 is invalid

```
typename std::enable_if<mlist_contains<primitive_lvalues, pure_type_t<SourceRef>>::value,
void>::type
^~
```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1136:92: error:  
expected unqualified-id before ‘,’ token

```
typename std::enable_if<mlist_contains<primitive_lvalues, pure_type_t<SourceRef>>::value,
void>::type
^
```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1147:65: error:  
‘pure\_type\_t’ was not declared in this scope

```
typename std::enable_if<mlist_contains<nomagic_lvalue_types,
```

pure\_type\_t<SourceRef>>::value, void>::type

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1147:65: note:  
suggested alternative: 'ptr2type'

typename std::enable\_if<mlist\_contains<nomagic\_lvalue\_types,  
pure\_type\_t<SourceRef>>::value, void>::type

^~~~~~

ptr2type

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1147:77: error:  
template argument 2 is invalid

typename std::enable\_if<mlist\_contains<nomagic\_lvalue\_types,  
pure\_type\_t<SourceRef>>::value, void>::type

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1147:86: error:  
template argument 1 is invalid

typename std::enable\_if<mlist\_contains<nomagic\_lvalue\_types,  
pure\_type\_t<SourceRef>>::value, void>::type

^~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1147:95: error:  
expected unqualified-id before ',' token

typename std::enable\_if<mlist\_contains<nomagic\_lvalue\_types,  
pure\_type\_t<SourceRef>>::value, void>::type

^

In file included from /home/laisrast/Downloads/polymake-  
3.2/include/core/polymake/client.h:21,  
from /home/laisrast/Downloads/polymake-  
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h: In member  
function 'std::true\_type\* pm::perl::Value::retrieve(Target&) const':

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:842:20: error:  
'MaybeWary' was not declared in this scope

if (MaybeWary<Target>::value && (options & value\_not\_trusted))

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:842:36: error:  
expected primary-expression before '>' token

if (MaybeWary<Target>::value && (options & value\_not\_trusted))

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:842:39: error:  
'::value' has not been declared

```
if (MaybeWary<Target>::value && (options & value_not_trusted))
```

^~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:842:39: note:  
suggested alternative:

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/Series.h:26,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/Wary.h:84:39: note:  
'value<T>'

typename std::enable\_if<MaybeWary<T>::value, Wary<T>&>::type

^~~~~

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/client.h:21,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h: In member  
function 'pm::perl::Value::Anchor\* pm::perl::Value::store\_canned\_value(SourceRef&&  
PerlPkg, int, std::false\_type, std::false\_type, std::false\_type)':

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:895:22: error:  
'pure\_type\_t' does not name a type; did you mean 'ptr2type'?

using Source = pure\_type\_t<SourceRef>;

^~~~~~

ptr2type

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:896:49: error:  
'Source' was not declared in this scope

using Persistent = typename object\_traits<Source>::persistent\_type;

^~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:896:49: note:  
suggested alternative: 'SourceRef'

using Persistent = typename object\_traits<Source>::persistent\_type;

^~~~~

SourceRef

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:896:55: error:  
template argument 1 is invalid

```
using Persistent = typename object_traits<Source>::persistent_type;
```

```
^
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:896:55: error:
template argument 2 is invalid
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:898:89: error:
type/value mismatch at argument 1 in template parameter list for ‘template<class T> class
pm::perl::type_cache’
```

```
return store_canned_value<Source>(std::forward<SourceRef>(x),
type_cache<Source>::get_descr(prescribed_pkg), n_anchors);
```

```
^
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:898:89: note:
expected a type, got ‘Source’
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:900:36: error:
‘Persistent’ was not declared in this scope
```

```
return store_canned_value<Persistent>(std::forward<SourceRef>(x),
type_cache<Persistent>::get_descr(0), 0);
```

```
^~~~~~
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:900:36: note:
suggested alternative: ‘persistent_set’
```

```
return store_canned_value<Persistent>(std::forward<SourceRef>(x),
type_cache<Persistent>::get_descr(0), 0);
```

```
^~~~~~
```

```
persistent_set
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:900:97: error:
type/value mismatch at argument 1 in template parameter list for ‘template<class T> class
pm::perl::type_cache’
```

```
return store_canned_value<Persistent>(std::forward<SourceRef>(x),
type_cache<Persistent>::get_descr(0), 0);
```

```
^
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:900:97: note:
expected a type, got ‘Persistent’
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h: In member
function ‘pm::perl::Value::Anchor* pm::perl::Value::store_canned_value(SourceRef&&,
PerlPkg, int, IsMasquerade, std::true_type, IsPersistent)’:
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:907:22: error:
‘pure_type_t’ does not name a type; did you mean ‘ptr2type’?
```

```
using Source = pure_type_t<SourceRef>;
```

```
^~~~~~
```

```
ptr2type
```

```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:908:49: error:
'Source' was not declared in this scope
using Persistent = typename object_traits<Source>::persistent_type;
^~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:908:49: note:
suggested alternative: 'SourceRef'
using Persistent = typename object_traits<Source>::persistent_type;
^~~~~~
SourceRef
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:908:55: error:
template argument 1 is invalid
using Persistent = typename object_traits<Source>::persistent_type;
^
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:908:55: error:
template argument 2 is invalid
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:909:33: error:
'Persistent' was not declared in this scope
return store_canned_value<Persistent>(std::forward<SourceRef>(x),
type_cache<Persistent>::get_descr(0), 0);
^~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:909:33: note:
suggested alternative: 'IsPersistent'
return store_canned_value<Persistent>(std::forward<SourceRef>(x),
type_cache<Persistent>::get_descr(0), 0);
^~~~~~
IsPersistent
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:909:94: error:
type/value mismatch at argument 1 in template parameter list for 'template<class T> class
pm::perl::type_cache'
return store_canned_value<Persistent>(std::forward<SourceRef>(x),
type_cache<Persistent>::get_descr(0), 0);
^
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:909:94: note:
expected a type, got 'Persistent'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h: In member
function 'pm::perl::Value::Anchor* pm::perl::Value::store_canned_value(SourceRef&&,
PerlPkg, int, std::false_type, std::false_type, std::true_type)':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:934:22: error:
'pure_type_t' does not name a type; did you mean 'ptr2type'?

```

```
using Source = pure_type_t<SourceRef>;
```

```
^~~~~~
```

```
ptr2type
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:935:33: error:
'Source' was not declared in this scope
```

```
return store_canned_value<Source>(std::forward<SourceRef>(x),
type_cache<Source>::get_descr(prescribed_pkg), n_anchors);
```

```
^~~~~~
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:935:33: note:
suggested alternative: 'SourceRef'
```

```
return store_canned_value<Source>(std::forward<SourceRef>(x),
type_cache<Source>::get_descr(prescribed_pkg), n_anchors);
```

```
^~~~~~
```

```
SourceRef
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:935:86: error:
type/value mismatch at argument 1 in template parameter list for 'template<class T> class
pm::perl::type_cache'
```

```
return store_canned_value<Source>(std::forward<SourceRef>(x),
type_cache<Source>::get_descr(prescribed_pkg), n_anchors);
```

```
^
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:935:86: note:
expected a type, got 'Source'
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h: In member
function 'pm::perl::Value::Anchor* pm::perl::Value::store_canned_value(SourceRef&&
PerlPkg, int, std::true_type, std::false_type, std::false_type)':
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:949:22: error:
'pure_type_t' does not name a type; did you mean 'ptr2type'?
```

```
using Source = pure_type_t<SourceRef>;
```

```
^~~~~~
```

```
ptr2type
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:950:49: error:
'Source' was not declared in this scope
```

```
using Persistent = typename object_traits<Source>::persistent_type;
```

```
^~~~~~
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:950:49: note:
suggested alternative: 'SourceRef'
```

```
using Persistent = typename object_traits<Source>::persistent_type;
```

```
^~~~~~
```

```
SourceRef
```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:950:55: error:  
template argument 1 is invalid

```
using Persistent = typename object_traits<Source>::persistent_type;
```

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:950:55: error:  
template argument 2 is invalid

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:951:33: error:  
'Persistent' was not declared in this scope

```
return store_canned_value<Persistent>(std::forward<SourceRef>(x),
type_cache<Persistent>::get_descr(0), 0);
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:951:33: note:  
suggested alternative: 'persistent\_set'

```
return store_canned_value<Persistent>(std::forward<SourceRef>(x),
type_cache<Persistent>::get_descr(0), 0);
```

^~~~~~

persistent\_set

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:951:94: error:  
type/value mismatch at argument 1 in template parameter list for 'template<class T> class  
pm::perl::type\_cache'

```
return store_canned_value<Persistent>(std::forward<SourceRef>(x),
type_cache<Persistent>::get_descr(0), 0);
```

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:951:94: note:  
expected a type, got 'Persistent'

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/SelectedSubset.h:21,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:22,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

/home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/modified\_containers.h: In instantiation of 'class

pm::modified\_container\_typebase<pm::perl::ArrayOwner<>,

polymake::mlist<pm::ContainerTag<pm::Series<int, true> >,

pm::OperationTag<pm::perl::Value::Array\_element\_factory<false> > >':

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1376:7: required

```

from 'class pm::perl::ArrayOwner<>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1509:84: required
from here
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:235:7: error: no type named 'iterator'
in 'struct pm::container_traits<pm::Series<int, true> >'
needed_features;
^~~~~~

/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:238:7: error: no type named 'iterator'
in 'struct pm::container_traits<pm::Series<int, true> >'
iterator;
^~~~~~

/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:241:7: error: no type named 'iterator'
in 'struct pm::container_traits<pm::Series<int, true> >'
const_iterator;
^~~~~~

/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:251:59: error: no type named
'iterator' in 'struct pm::container_traits<pm::Series<int, true> >'
typedef typename iterator_traits<iterator>::value_type value_type;
^~~~~~

/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:252:58: error: no type named
'iterator' in 'struct pm::container_traits<pm::Series<int, true> >'
typedef typename iterator_traits<iterator>::reference reference;
^~~~~~

/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:253:64: error: no type named
'iterator' in 'struct pm::container_traits<pm::Series<int, true> >'
typedef typename iterator_traits<const_iterator>::reference const_reference;
^~~~~~

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h: In instantiation of
'class pm::perl::ArrayOwner<>':

```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1509:84: required from here

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1418:56: error: invalid use of incomplete type 'class pm::perl::ArrayOwner<>'  
using modified\_container\_impl<ArrayOwner>::operator[];  
^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1376:7: note: definition of 'class pm::perl::ArrayOwner<>' is not complete until the closing brace  
class ArrayOwner  
^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1418:56: error: using-declaration for non-member at class scope  
using modified\_container\_impl<ArrayOwner>::operator[];  
^

In file included from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:22,  
from /home/laisrast/Downloads/polymake-3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/types.h: At global scope:  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/types.h:87:18: error: 'type\_behind\_t' does not name a type; did you mean 'type\_behind'?  
using TData = type\_behind\_t<T>;  
^~~~~~

type\_behind

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/types.h:88:48: error: 'TData' was not declared in this scope  
static const bool is\_proxy=!std::is\_same<T, TData>::value;  
^~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/types.h:88:53: error: template argument 2 is invalid  
static const bool is\_proxy=!std::is\_same<T, TData>::value;  
^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/types.h:90:103: error: 'TData' was not declared in this scope  
static const size\_t recog\_size=sizeof(\*recognize(std::declval<type\_infos&>(),  
recognizer\_bait(0), (TData\*)0, (TData\*)0));  
^~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/types.h:90:109: error: expected primary-expression before ')' token

```
static const size_t recog_size=sizeof(*recognize(std::declval<type_infos*>(),
recognizer_bait(0), (TData*)0, (TData*)0));
```

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/types.h:90:114: error:  
'TData' was not declared in this scope

```
static const size_t recog_size=sizeof(*recognize(std::declval<type_infos*>(),
recognizer_bait(0), (TData*)0, (TData*)0));
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/types.h:90:120: error:  
expected primary-expression before ')' token

```
static const size_t recog_size=sizeof(*recognize(std::declval<type_infos*>(),
recognizer_bait(0), (TData*)0, (TData*)0));
```

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/types.h:93:80: error:  
'TData' was not declared in this scope

```
|| (is_proxy && mlist_contains<primitive_lvalues, TData>::value),
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/types.h:93:85: error:  
template argument 2 is invalid

```
|| (is_proxy && mlist_contains<primitive_lvalues, TData>::value),
```

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/types.h:243:18: error:  
'type\_behind\_t' does not name a type; did you mean 'type\_behind'?

```
using TData = type_behind_t<T>;
```

^~~~~~

```
type_behind
```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/types.h: In static member  
function 'static pm::perl::type\_infos pm::perl::type\_cache\_helper<T, true, false, has\_persistent,  
has\_generic, true>::get(sv\*)':

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/types.h:248:30: error:  
'TData' was not declared in this scope

```
infos.proto=type_cache<TData>::get_proto();
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/types.h:248:35: error:  
template argument 1 is invalid

```
infos.proto=type_cache<TData>::get_proto();
```

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/types.h: In static member  
function 'static void pm::perl::TypeList\_helper<type\_list,

```

i>::gather_type_protos(pm::perl::ArrayHolder&):
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/types.h:326:28: error:
'pure_type_t' was not declared in this scope
SV* proto=type_cache<pure_type_t<T>>::get_proto();
^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/types.h:326:28: note:
suggested alternative: 'push_types'
SV* proto=type_cache<pure_type_t<T>>::get_proto();
^~~~~~

push_types
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/types.h:326:40: error:
template argument 1 is invalid
SV* proto=type_cache<pure_type_t<T>>::get_proto();
^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/types.h:326:45: error:
'::get_proto' has not been declared
SV* proto=type_cache<pure_type_t<T>>::get_proto();
^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/types.h:326:45: note:
suggested alternative: 'getpt'
SV* proto=type_cache<pure_type_t<T>>::get_proto();
^~~~~~

getpt
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/types.h: In static member
function 'static void pm::perl::TypeList_helper<type_list,
i>::gather_type_descrs(pm::perl::ArrayHolder&)':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/types.h:333:28: error:
'pure_type_t' was not declared in this scope
SV* descr=type_cache<pure_type_t<T>>::get_descr(0);
^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/types.h:333:28: note:
suggested alternative: 'push_types'
SV* descr=type_cache<pure_type_t<T>>::get_descr(0);
^~~~~~

push_types
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/types.h:333:40: error:
template argument 1 is invalid
SV* descr=type_cache<pure_type_t<T>>::get_descr(0);
^

```

```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/types.h:333:45: error:
'::get_descr' has not been declared
SV* descr=type_cache<pure_type_t<T>>::get_descr(0);
^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/types.h:333:45: note:
suggested alternative: 'get_dim'
SV* descr=type_cache<pure_type_t<T>>::get_descr(0);
^~~~~~

get_dim
In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/client.h:24,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h: At global
scope:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:332:52: error:
'type_behind_t' was not declared in this scope
class Assign<T, typename std::enable_if<is_mutable<type_behind_t<T>>::value &&
^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:332:52: note:
suggested alternative: 'type_behind'
class Assign<T, typename std::enable_if<is_mutable<type_behind_t<T>>::value &&
^~~~~~

type_behind
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:332:66: error:
template argument 1 is invalid
class Assign<T, typename std::enable_if<is_mutable<type_behind_t<T>>::value &&
^
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:332:67: error:
template argument 1 is invalid
class Assign<T, typename std::enable_if<is_mutable<type_behind_t<T>>::value &&
^~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:332:77: error:
expected template-argument before '&&' token
class Assign<T, typename std::enable_if<is_mutable<type_behind_t<T>>::value &&
^~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:332:77: error:
expected '>' before '&&' token
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:334:71: error:

```

template argument 2 is invalid

```
!std::is_same<T, Value>::value>::type> {
```

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:334:78: error:  
expected unqualified-id before '>' token

```
!std::is_same<T, Value>::value>::type> {
```

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:372:56: error:  
'type\_behind\_t' was not declared in this scope

```
class ToString<T, typename std::enable_if<is_printable<type_behind_t<T>>::value>::type> {
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:372:56: note:  
suggested alternative: 'type\_behind'

```
class ToString<T, typename std::enable_if<is_printable<type_behind_t<T>>::value>::type> {
```

^~~~~~

type\_behind

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:372:70: error:  
template argument 1 is invalid

```
class ToString<T, typename std::enable_if<is_printable<type_behind_t<T>>::value>::type> {
```

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:372:71: error:  
template argument 1 is invalid

```
class ToString<T, typename std::enable_if<is_printable<type_behind_t<T>>::value>::type> {
```

^~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:372:80: error:  
template argument 2 is invalid

```
class ToString<T, typename std::enable_if<is_printable<type_behind_t<T>>::value>::type> {
```

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:372:87: error:  
expected unqualified-id before '>' token

```
class ToString<T, typename std::enable_if<is_printable<type_behind_t<T>>::value>::type> {
```

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:402:62: error:  
'type\_behind\_t' was not declared in this scope

```
class Serializable<T, typename
```

```
std::enable_if<has_serialized<type_behind_t<T>>::value>::type> {
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:402:62: note:  
suggested alternative: 'type\_behind'

```

class Serializable<T, typename
std::enable_if<has_serialized<type_behind_t<T>>::value>::type> {
^~~~~~
type_behind
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:402:76: error:
template argument 1 is invalid
class Serializable<T, typename
std::enable_if<has_serialized<type_behind_t<T>>::value>::type> {
^
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:402:77: error:
template argument 1 is invalid
class Serializable<T, typename
std::enable_if<has_serialized<type_behind_t<T>>::value>::type> {
^~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:402:86: error:
template argument 2 is invalid
class Serializable<T, typename
std::enable_if<has_serialized<type_behind_t<T>>::value>::type> {
^
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:402:93: error:
expected unqualified-id before '>' token
class Serializable<T, typename
std::enable_if<has_serialized<type_behind_t<T>>::value>::type> {
^
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:434:74: error:
'type_behind_t' was not declared in this scope
class Serializable<TProxy, typename std::enable_if<!std::is_same<TProxy,
type_behind_t<TProxy>>>::value &&
^~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:434:74: note:
suggested alternative: 'type_behind'
class Serializable<TProxy, typename std::enable_if<!std::is_same<TProxy,
type_behind_t<TProxy>>>::value &&
^~~~~~
type_behind
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:434:88: error:
template argument 2 is invalid
class Serializable<TProxy, typename std::enable_if<!std::is_same<TProxy,
type_behind_t<TProxy>>>::value &&

```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:434:94: error:  
template argument 1 is invalid

class Serializable<TProxy, typename std::enable\_if<!std::is\_same<TProxy,  
type\_behind\_t<TProxy>>::value &&

^~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:434:104:  
error: expected template-argument before '&&' token

class Serializable<TProxy, typename std::enable\_if<!std::is\_same<TProxy,  
type\_behind\_t<TProxy>>::value &&

^~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:434:104:  
error: expected '>' before '&&' token

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:435:100:  
error: template argument 2 is invalid

std::is\_arithmetic<type\_behind\_t<TProxy>>::value>::type>

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:435:107:  
error: expected unqualified-id before '>' token

std::is\_arithmetic<type\_behind\_t<TProxy>>::value>::type>

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h: In static  
member function 'static sv\* pm::perl::OpaqueClassRegistrator<T, true>::deref(const char\*)':  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:731:11: error:  
'class pm::perl::Value' has no member named 'put\_lvalue'; did you mean 'int\_value'?

ret.put\_lvalue(\*\*it, 0, nullptr, (nothing\*)nullptr);

^~~~~~

int\_value

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h: In static  
member function 'static void pm::perl::ContainerClassRegistrator<T, Category,  
\_obscure>::do\_it<Iterator, non\_const>::deref(char\*, char\*, int, sv\*, sv\*)':

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:955:13: error:  
'class pm::perl::Value' has no member named 'put\_lvalue'; did you mean 'int\_value'?

pv.put\_lvalue(\*\*it, 0, nullptr, (nothing\*)nullptr, container\_sv);

^~~~~~

int\_value

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h: In static  
member function 'static void pm::perl::ContainerClassRegistrator<T, Category,  
\_obscure>::do\_const\_sparse<Iterator, false>::deref(char\*, char\*, int, sv\*, sv\*)':

```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:1026:16:
error: 'class pm::perl::Value' has no member named 'put_lvalue'; did you mean 'int_value'?
pv.put_lvalue(**it, 0, nullptr, (nothing*)nullptr, container_sv);
^~~~~~
int_value
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h: In static
member function 'static void pm::perl::ContainerClassRegistrar<T,
std::random_access_iterator_tag, false>::random_impl(char*, char*, int, sv*, sv*)':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:1281:10:
error: 'class pm::perl::Value' has no member named 'put_lvalue'; did you mean 'int_value'?
pv.put_lvalue(super::helper::streamline(*obj)[index], 0, nullptr, (nothing*)nullptr, container_sv);
^~~~~~
int_value
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h: In static
member function 'static void pm::perl::ContainerClassRegistrar<T,
std::random_access_iterator_tag, false>::crandom(char*, char*, int, sv*, sv*)':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:1289:10:
error: 'class pm::perl::Value' has no member named 'put_lvalue'; did you mean 'int_value'?
pv.put_lvalue(super::helper::streamline(*obj)[index], 0, nullptr, (nothing*)nullptr, container_sv);
^~~~~~
int_value
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h: In static
member function 'static void pm::perl::CompositeClassRegistrar<T, n, l>::get_impl(char*,
sv*, sv*)':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:1358:10:
error: 'class pm::perl::Value' has no member named 'put_lvalue'; did you mean 'int_value'?
pv.put_lvalue(visit_n_th(*obj, int_constant<n>()), 0, nullptr, (nothing*)nullptr, container_sv);
^~~~~~
int_value
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h: In static
member function 'static void pm::perl::CompositeClassRegistrar<T, n, l>::cget(char*, sv*,
sv*)':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:1365:10:
error: 'class pm::perl::Value' has no member named 'put_lvalue'; did you mean 'int_value'?
pv.put_lvalue(visit_n_th(*obj, int_constant<n>()), 0, nullptr, (nothing*)nullptr, container_sv);
^~~~~~
int_value
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h: At global
scope:

```

```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:1480:24:
error: 'can_assign_to' was not declared in this scope
bool enabled=can_assign_to<typename access<Source>::type, Target>::value>
^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:1480:24:
note: suggested alternative: 'max_align_t'
bool enabled=can_assign_to<typename access<Source>::type, Target>::value>
^~~~~~

max_align_t
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:1480:67:
error: expected '(' before ',' token
bool enabled=can_assign_to<typename access<Source>::type, Target>::value>
^
(
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:1480:78:
error: 'value' in namespace '::' does not name a type
bool enabled=can_assign_to<typename access<Source>::type, Target>::value>
^~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:1480:76:
note: suggested alternative: 'valloc'
bool enabled=can_assign_to<typename access<Source>::type, Target>::value>
^~

valloc
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:1486:8: error:
'Operator_assign_impl' is not a class template
struct Operator_assign_impl<Target, Source, true> {
^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h: In static
member function 'static void pm::perl::Operator_assign_impl<Target, Source>::call(Target&,
const pm::perl::Value&)':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:1489:11:
error: 'MaybeWary' was not declared in this scope
if (MaybeWary<Target>::value && (src.get_flags() & value_not_trusted))
^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:1489:27:
error: expected primary-expression before '>' token
if (MaybeWary<Target>::value && (src.get_flags() & value_not_trusted))
^
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:1489:30:

```

error: ‘::value’ has not been declared

```
if (MaybeWary<Target>::value && (src.get_flags() & value_not_trusted))
```

^~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:1489:30:

note: suggested alternative:

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/Series.h:26,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/Wary.h:84:39: note:

‘value<T>’

```
typename std::enable_if<MaybeWary<T>::value, Wary<T>&>::type
```

^~~~~

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/client.h:23,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h: In static member function ‘static sv\* pm::perl::Operator\_UnaryAssign\_inc<Arg0>::call(sv\*\*)’:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:90:17: error:

‘class pm::perl::Value’ has no member named ‘put\_lvalue’; did you mean ‘int\_value’?

Result\_Value.put\_lvalue(expr, Prescribed\_Result\_Pkg, &arg0, (ownerType\*)nullptr, ##

\_\_VA\_ARGS\_\_); \

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:120:4: note: in expansion of macro ‘WrapperBodyWithLvalue’

```
WrapperBodyWithLvalue(int Prescribed_Result_Pkg=0, ownerType, __VA_ARGS__);
```

```
WrapperCloseFunction
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:165:4: note: in expansion of macro ‘WrapperReturnLvalue’

```
WrapperReturnLvalue(Arg0, sign(arg0.get<Arg0>())); \
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:1570:1: note: in expansion of macro ‘Wrapper4UnaryAssignOperator’

Wrapper4UnaryAssignOperator(++ , inc);

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h: In static member function 'static sv\* pm::perl::Operator\_UnaryAssign\_dec<Arg0>::call(sv\*\*)':

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:90:17: error: 'class pm::perl::Value' has no member named 'put\_lvalue'; did you mean 'int\_value'?

Result\_Value.put\_lvalue(expr, Prescribed\_Result\_Pkg, &arg0, (ownerType\*)nullptr, ## \_\_VA\_ARGS\_\_); \

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:120:4: note: in expansion of macro 'WrapperBodyWithLvalue'

WrapperBodyWithLvalue(int Prescribed\_Result\_Pkg=0, ownerType, \_\_VA\_ARGS\_\_);

WrapperCloseFunction

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:165:4: note: in expansion of macro 'WrapperReturnLvalue'

WrapperReturnLvalue( Arg0, sign( arg0.get<Arg0>() ) ); \

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:1571:1: note: in expansion of macro 'Wrapper4UnaryAssignOperator'

Wrapper4UnaryAssignOperator(-- , dec);

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h: In static member function 'static sv\* pm::perl::Operator\_BinaryAssign\_add<Arg0, Arg1>::call(sv\*\*)':

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:90:17: error: 'class pm::perl::Value' has no member named 'put\_lvalue'; did you mean 'int\_value'?

Result\_Value.put\_lvalue(expr, Prescribed\_Result\_Pkg, &arg0, (ownerType\*)nullptr, ## \_\_VA\_ARGS\_\_); \

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:120:4: note: in expansion of macro 'WrapperBodyWithLvalue'

WrapperBodyWithLvalue(int Prescribed\_Result\_Pkg=0, ownerType, \_\_VA\_ARGS\_\_);

WrapperCloseFunction

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:186:4: note: in expansion of macro 'WrapperReturnLvalue'

WrapperReturnLvalue( Arg0, arg0.get<Arg0>() sign arg1.get<Arg1>() ); \

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:1573:1: note:

in expansion of macro 'Wrapper4BinaryAssignOperator'

Wrapper4BinaryAssignOperator(+=, add);

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h: In static member function 'static sv\* pm::perl::Operator\_BinaryAssign\_sub<Arg0, Arg1>::call(sv\*\*)':

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:90:17: error: 'class pm::perl::Value' has no member named 'put\_lvalue'; did you mean 'int\_value'?

Result\_Value.put\_lvalue(expr, Prescribed\_Result\_Pkg, &arg0, (ownerType\*)nullptr, ##\_\_VA\_ARGS\_\_); \

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:120:4: note: in expansion of macro 'WrapperBodyWithLvalue'

WrapperBodyWithLvalue(int Prescribed\_Result\_Pkg=0, ownerType, \_\_VA\_ARGS\_\_);

WrapperCloseFunction

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:186:4: note: in expansion of macro 'WrapperReturnLvalue'

WrapperReturnLvalue( Arg0, arg0.get<Arg0>() sign arg1.get<Arg1>() ); \

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:1574:1: note: in expansion of macro 'Wrapper4BinaryAssignOperator'

Wrapper4BinaryAssignOperator(-=, sub);

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h: In static member function 'static sv\* pm::perl::Operator\_BinaryAssign\_mul<Arg0, Arg1>::call(sv\*\*)':

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:90:17: error: 'class pm::perl::Value' has no member named 'put\_lvalue'; did you mean 'int\_value'?

Result\_Value.put\_lvalue(expr, Prescribed\_Result\_Pkg, &arg0, (ownerType\*)nullptr, ##\_\_VA\_ARGS\_\_); \

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:120:4: note: in expansion of macro 'WrapperBodyWithLvalue'

WrapperBodyWithLvalue(int Prescribed\_Result\_Pkg=0, ownerType, \_\_VA\_ARGS\_\_);

WrapperCloseFunction

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:186:4: note: in expansion of macro 'WrapperReturnLvalue'

WrapperReturnLvalue( Arg0, arg0.get<Arg0>() sign arg1.get<Arg1>() ); \

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:1575:1: note:  
in expansion of macro 'Wrapper4BinaryAssignOperator'

Wrapper4BinaryAssignOperator(\*=, mul);

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h: In static  
member function 'static sv\* pm::perl::Operator\_BinaryAssign\_div<Arg0, Arg1>::call(sv\*\*)':

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:90:17: error:  
'class pm::perl::Value' has no member named 'put\_lvalue'; did you mean 'int\_value'?

Result\_Value.put\_lvalue(expr, Prescribed\_Result\_Pkg, &arg0, (ownerType\*)nullptr, ##  
\_\_VA\_ARGS\_\_); \

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:120:4: note: in  
expansion of macro 'WrapperBodyWithLvalue'

WrapperBodyWithLvalue(int Prescribed\_Result\_Pkg=0, ownerType, \_\_VA\_ARGS\_\_);

WrapperCloseFunction

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:186:4: note: in  
expansion of macro 'WrapperReturnLvalue'

WrapperReturnLvalue( Arg0, arg0.get<Arg0>() sign arg1.get<Arg1>() ); \

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:1576:1: note:  
in expansion of macro 'Wrapper4BinaryAssignOperator'

Wrapper4BinaryAssignOperator(/=, div);

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h: In static  
member function 'static sv\* pm::perl::Operator\_BinaryAssign\_mod<Arg0, Arg1>::call(sv\*\*)':

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:90:17: error:  
'class pm::perl::Value' has no member named 'put\_lvalue'; did you mean 'int\_value'?

Result\_Value.put\_lvalue(expr, Prescribed\_Result\_Pkg, &arg0, (ownerType\*)nullptr, ##  
\_\_VA\_ARGS\_\_); \

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:120:4: note: in  
expansion of macro 'WrapperBodyWithLvalue'

WrapperBodyWithLvalue(int Prescribed\_Result\_Pkg=0, ownerType, \_\_VA\_ARGS\_\_);

WrapperCloseFunction

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:186:4: note: in  
expansion of macro 'WrapperReturnLvalue'

WrapperReturnLvalue( Arg0, arg0.get<Arg0>() sign arg1.get<Arg1>() ); \

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:1577:1: note:  
in expansion of macro 'Wrapper4BinaryAssignOperator'

Wrapper4BinaryAssignOperator(%=, mod);

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h: In static  
member function 'static sv\* pm::perl::Operator\_BinaryAssign\_and<Arg0, Arg1>::call(sv\*\*)':  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:90:17: error:  
'class pm::perl::Value' has no member named 'put\_lvalue'; did you mean 'int\_value'?

Result\_Value.put\_lvalue(expr, Prescribed\_Result\_Pkg, &arg0, (ownerType\*)nullptr, ##  
\_\_VA\_ARGS\_\_); \

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:120:4: note: in  
expansion of macro 'WrapperBodyWithLvalue'

WrapperBodyWithLvalue(int Prescribed\_Result\_Pkg=0, ownerType, \_\_VA\_ARGS\_\_);

WrapperCloseFunction

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:186:4: note: in  
expansion of macro 'WrapperReturnLvalue'

WrapperReturnLvalue( Arg0, arg0.get<Arg0>() sign arg1.get<Arg1>() ); \

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:1578:1: note:  
in expansion of macro 'Wrapper4BinaryAssignOperator'

Wrapper4BinaryAssignOperator(&=, and);

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h: In static  
member function 'static sv\* pm::perl::Operator\_BinaryAssign\_\_or<Arg0, Arg1>::call(sv\*\*)':  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:90:17: error:  
'class pm::perl::Value' has no member named 'put\_lvalue'; did you mean 'int\_value'?

Result\_Value.put\_lvalue(expr, Prescribed\_Result\_Pkg, &arg0, (ownerType\*)nullptr, ##  
\_\_VA\_ARGS\_\_); \

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:120:4: note: in  
expansion of macro 'WrapperBodyWithLvalue'

WrapperBodyWithLvalue(int Prescribed\_Result\_Pkg=0, ownerType, \_\_VA\_ARGS\_\_);

WrapperCloseFunction

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:186:4: note: in  
expansion of macro 'WrapperReturnLvalue'

```
WrapperReturnLvalue(Arg0, arg0.get<Arg0>() sign arg1.get<Arg1>()); \
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:1579:1: note:  
in expansion of macro 'Wrapper4BinaryAssignOperator'

```
Wrapper4BinaryAssignOperator(|=, _or);
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h: In static  
member function 'static sv\* pm::perl::Operator\_BinaryAssign\_xor<Arg0, Arg1>::call(sv\*\*)':  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:90:17: error:  
'class pm::perl::Value' has no member named 'put\_lvalue'; did you mean 'int\_value'?

```
Result_Value.put_lvalue(expr, Prescribed_Result_Pkg, &arg0, (ownerType*)nullptr, ##
__VA_ARGS__); \
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:120:4: note: in  
expansion of macro 'WrapperBodyWithLvalue'

```
WrapperBodyWithLvalue(int Prescribed_Result_Pkg=0, ownerType, __VA_ARGS__);
```

```
WrapperCloseFunction
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:186:4: note: in  
expansion of macro 'WrapperReturnLvalue'

```
WrapperReturnLvalue(Arg0, arg0.get<Arg0>() sign arg1.get<Arg1>()); \
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:1580:1: note:  
in expansion of macro 'Wrapper4BinaryAssignOperator'

```
Wrapper4BinaryAssignOperator(^=, xor);
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h: In static  
member function 'static sv\* pm::perl::Operator\_BinaryAssign\_lsh<Arg0, Arg1>::call(sv\*\*)':  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:90:17: error:  
'class pm::perl::Value' has no member named 'put\_lvalue'; did you mean 'int\_value'?

```
Result_Value.put_lvalue(expr, Prescribed_Result_Pkg, &arg0, (ownerType*)nullptr, ##
__VA_ARGS__); \
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:120:4: note: in  
expansion of macro 'WrapperBodyWithLvalue'

```
WrapperBodyWithLvalue(int Prescribed_Result_Pkg=0, ownerType, __VA_ARGS__);
```

```
WrapperCloseFunction
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:186:4: note: in

expansion of macro 'WrapperReturnLvalue'

```
WrapperReturnLvalue(Arg0, arg0.get<Arg0>() sign arg1.get<Arg1>()); \
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:1581:1: note:  
in expansion of macro 'Wrapper4BinaryAssignOperator'

```
Wrapper4BinaryAssignOperator(<=&, lsh);
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h: In static  
member function 'static sv\* pm::perl::Operator\_BinaryAssign\_rsh<Arg0, Arg1>::call(sv\*\*)':

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:90:17: error:

'class pm::perl::Value' has no member named 'put\_lvalue'; did you mean 'int\_value'?

```
Result_Value.put_lvalue(expr, Prescribed_Result_Pkg, &arg0, (ownerType*)nullptr, ##
```

```
__VA_ARGS__); \
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:120:4: note: in  
expansion of macro 'WrapperBodyWithLvalue'

```
WrapperBodyWithLvalue(int Prescribed_Result_Pkg=0, ownerType, __VA_ARGS__);
```

```
WrapperCloseFunction
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:186:4: note: in  
expansion of macro 'WrapperReturnLvalue'

```
WrapperReturnLvalue(Arg0, arg0.get<Arg0>() sign arg1.get<Arg1>()); \
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:1582:1: note:  
in expansion of macro 'Wrapper4BinaryAssignOperator'

```
Wrapper4BinaryAssignOperator(>=&, rsh);
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h: In static  
member function 'static sv\* pm::perl::Operator\_Binary\_brk<Arg0, Arg1>::call(sv\*\*)':

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:90:17: error:

'class pm::perl::Value' has no member named 'put\_lvalue'; did you mean 'int\_value'?

```
Result_Value.put_lvalue(expr, Prescribed_Result_Pkg, &arg0, (ownerType*)nullptr, ##
```

```
__VA_ARGS__); \
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/macros.h:120:4: note: in  
expansion of macro 'WrapperBodyWithLvalue'

```
WrapperBodyWithLvalue(int Prescribed_Result_Pkg=0, ownerType, __VA_ARGS__);
```

```
WrapperCloseFunction
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:1606:4: note:  
in expansion of macro 'WrapperReturnLvalue'

```
WrapperReturnLvalue(Arg0, arg0.get<Arg0>() [arg1.get<Arg1>()]);
```

^~~~~~

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/client.h:25,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/calls.h: At global scope:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/calls.h:207:53: error:

'pure\_type\_t' was not declared in this scope

```
typename std::enable_if<!mlist_or<is_instance_of<pure_type_t<TArgs>, Unrolled>...>::value,
int>::type
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/calls.h:207:53: note:

suggested alternative: 'ptr2type'

```
typename std::enable_if<!mlist_or<is_instance_of<pure_type_t<TArgs>, Unrolled>...>::value,
int>::type
```

^~~~~~

ptr2type

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/calls.h:207:70: error:

wrong number of template arguments (1, should be 2)

```
typename std::enable_if<!mlist_or<is_instance_of<pure_type_t<TArgs>, Unrolled>...>::value,
int>::type
```

^

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/meta\_list.h:22,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type\_manip.h:21,

from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/operations\_basic\_defs.h:20,

from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/comparators\_basic\_defs.h:20,

from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/comparators\_ops.h:23,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,

```

from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/meta_function.h:103:8: note:
provided for 'template<class T, template<class ...> class Template> struct
polymake::is_instance_of'
struct is_instance_of
^~~~~~

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/client.h:25,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/calls.h:207:81: error:
template argument 1 is invalid
typename std::enable_if<!mlist_or<is_instance_of<pure_type_t<TArgs>, Unrolled>...>::value,
int>::type
^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/calls.h:207:81: error:
type/value mismatch at argument 1 in template parameter list for 'template<class ... T> using
mlist_or = std::__or_<T ...>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/calls.h:207:81: note:
expected a type, got 'Unrolled'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/calls.h:207:82: error:
expected parameter pack before '...'
typename std::enable_if<!mlist_or<is_instance_of<pure_type_t<TArgs>, Unrolled>...>::value,
int>::type
^~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/calls.h:207:85: error:
template argument 1 is invalid
typename std::enable_if<!mlist_or<is_instance_of<pure_type_t<TArgs>, Unrolled>...>::value,
int>::type
^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/calls.h:207:93: error:
expected unqualified-id before ',' token
typename std::enable_if<!mlist_or<is_instance_of<pure_type_t<TArgs>, Unrolled>...>::value,
int>::type
^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/calls.h:219:98: error:
'pure_type_t' was not declared in this scope
typename std::enable_if<!is_instance_of<FirstArg, Unrolled>::value &&

```

```
mlist_or<is_instance_of<pure_type_t<MoreArgs>, Unrolled>...>::value, int>::type
```

```
^~~~~~
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/calls.h:219:98: note:
suggested alternative: 'ptr2type'
```

```
typename std::enable_if<!is_instance_of<FirstArg, Unrolled>::value &&
```

```
mlist_or<is_instance_of<pure_type_t<MoreArgs>, Unrolled>...>::value, int>::type
```

```
^~~~~~
```

```
ptr2type
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/calls.h:219:118: error:
wrong number of template arguments (1, should be 2)
```

```
typename std::enable_if<!is_instance_of<FirstArg, Unrolled>::value &&
```

```
mlist_or<is_instance_of<pure_type_t<MoreArgs>, Unrolled>...>::value, int>::type
```

```
^
```

```
In file included from /home/laisrast/Downloads/polymake-
```

```
3.2/include/core/polymake/meta_list.h:22,
```

```
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:21,
```

```
from /home/laisrast/Downloads/polymake-
```

```
3.2/include/core/polymake/internal/operations_basic_defs.h:20,
```

```
from /home/laisrast/Downloads/polymake-
```

```
3.2/include/core/polymake/internal/comparators_basic_defs.h:20,
```

```
from /home/laisrast/Downloads/polymake-
```

```
3.2/include/core/polymake/internal/comparators_ops.h:23,
```

```
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
```

```
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
```

```
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
```

```
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
```

```
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
```

```
from /home/laisrast/Downloads/polymake-
```

```
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/meta_function.h:103:8: note:
provided for 'template<class T, template<class ...> class Template> struct
```

```
polymake::is_instance_of'
```

```
struct is_instance_of
```

```
^~~~~~
```

```
In file included from /home/laisrast/Downloads/polymake-
```

```
3.2/include/core/polymake/client.h:25,
```

```
from /home/laisrast/Downloads/polymake-
```

```
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/calls.h:219:129: error:
```

template argument 1 is invalid

```
typename std::enable_if<!is_instance_of<FirstArg, Unrolled>::value &&
mlist_or<is_instance_of<pure_type_t<MoreArgs>, Unrolled>...>::value, int>::type
^
```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/calls.h:219:129: error:  
type/value mismatch at argument 1 in template parameter list for ‘template<class ... T> using  
mlist\_or = std::\_\_or\_<T ...>’

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/calls.h:219:129: note:  
expected a type, got ‘Unrolled’

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/calls.h:219:130: error:  
expansion pattern ‘(! polymake::is\_instance\_of<FirstArg, pm::perl::Unrolled>::value) &&  
<expression error>’ contains no argument packs

```
typename std::enable_if<!is_instance_of<FirstArg, Unrolled>::value &&
mlist_or<is_instance_of<pure_type_t<MoreArgs>, Unrolled>...>::value, int>::type
^~~
```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/calls.h:219:133: error:  
template argument 1 is invalid

```
typename std::enable_if<!is_instance_of<FirstArg, Unrolled>::value &&
mlist_or<is_instance_of<pure_type_t<MoreArgs>, Unrolled>...>::value, int>::type
^
```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/calls.h:219:141: error:  
expected unqualified-id before ‘,’ token

```
typename std::enable_if<!is_instance_of<FirstArg, Unrolled>::value &&
mlist_or<is_instance_of<pure_type_t<MoreArgs>, Unrolled>...>::value, int>::type
^
```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/calls.h:235:44: error:  
‘pure\_type\_t’ was not declared in this scope

```
typename std::enable_if<!is_instance_of<pure_type_t<TArg>, Unrolled>::value &&
^~~~~~
```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/calls.h:235:44: note:  
suggested alternative: ‘ptr2type’

```
typename std::enable_if<!is_instance_of<pure_type_t<TArg>, Unrolled>::value &&
^~~~~~
```

ptr2type

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/calls.h:235:60: error:  
wrong number of template arguments (1, should be 2)

```
typename std::enable_if<!is_instance_of<pure_type_t<TArg>, Unrolled>::value &&
^
```

In file included from /home/laisrast/Downloads/polymake-

```

3.2/include/core/polymake/meta_list.h:22,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:21,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations_basic_defs.h:20,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_basic_defs.h:20,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:23,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/meta_function.h:103:8: note:
provided for 'template<class T, template<class ...> class Template> struct
polymake::is_instance_of'
struct is_instance_of
^~~~~~
In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/client.h:25,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/calls.h:235:71: error:
template argument 1 is invalid
typename std::enable_if<!is_instance_of<pure_type_t<TArg>, Unrolled>::value &&
^
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/calls.h:235:71: error:
type/value mismatch at argument 2 in template parameter list for 'template<bool
<anonymous>, class _Tp> struct std::enable_if'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/calls.h:235:71: note:
expected a type, got 'Unrolled'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/calls.h:236:28: error:
expected unqualified-id before '!' token
!std::is_same<pure_type_t<TArg>, OptionSet>::value>::type
^
In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/SelectedSubset.h:21,

```

```

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:22,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h: In instantiation of 'class
pm::modified_container_typebase<pm::perl::ArrayOwner<pm::perl::Object>,
polymake::mlist<pm::ContainerTag<pm::Series<int, true> >,
pm::OperationTag<pm::perl::Object::Array_element_factory<false> > > >':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1376:7: required
from 'class pm::perl::ArrayOwner<pm::perl::Object>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Object.h:395:19: required
from here
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:235:7: error: no type named 'iterator'
in 'struct pm::container_traits<pm::Series<int, true> >'
needed_features;
^~~~~~

/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:238:7: error: no type named 'iterator'
in 'struct pm::container_traits<pm::Series<int, true> >'
iterator;
^~~~~~

/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:241:7: error: no type named 'iterator'
in 'struct pm::container_traits<pm::Series<int, true> >'
const_iterator;
^~~~~~

/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:251:59: error: no type named
'iterator' in 'struct pm::container_traits<pm::Series<int, true> >'
typedef typename iterator_traits<iterator>::value_type value_type;
^~~~~~

/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:252:58: error: no type named
'iterator' in 'struct pm::container_traits<pm::Series<int, true> >'
typedef typename iterator_traits<iterator>::reference reference;

```

^~~~~~

/home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/modified\_containers.h:253:64: error: no type named  
'iterator' in 'struct pm::container\_traits<pm::Series<int, true> >'

typedef typename iterator\_traits<const\_iterator>::reference const\_reference;

^~~~~~

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/client.h:21,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h: In instantiation of  
'class pm::perl::ArrayOwner<pm::perl::Object>':

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Object.h:395:19: required  
from here

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1418:56: error:  
invalid use of incomplete type 'class pm::perl::ArrayOwner<pm::perl::Object>'  
using modified\_container\_impl<ArrayOwner>::operator[];

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1376:7: note:  
definition of 'class pm::perl::ArrayOwner<pm::perl::Object>' is not complete until the closing  
brace

class ArrayOwner

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:1418:56: error:  
using-declaration for non-member at class scope

using modified\_container\_impl<ArrayOwner>::operator[];

^

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/GenericVector.h:22,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Vector.h:24,

from /home/laisrast/Downloads/polymake-3.2/include/core-wrappers/polymake/Vector.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericMatrix.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Matrix.h:24,

from /home/laisrast/Downloads/polymake-3.2/include/core-wrappers/polymake/Matrix.h:20,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:20:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/converters.h:104:178:  
error: 'attach\_converter' function uses 'auto' type specifier without trailing return type

!std::is\_convertible<typename object\_traits<typename

```
Container::value_type>::persistent_type, Target>::value, void**>::type=nullptr)
```

```
^
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/converters.h:104:178:
```

```
note: deduced return type only available with -std=c++14 or -std=gnu++14
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/converters.h:130:161:
```

```
error: 'make_converting_iterator' function uses 'auto' type specifier without trailing return type
```

```
!std::is_convertible<typename iterator_traits<Iterator>::value_type, Target>::value,
void**>::type=nullptr)
```

```
^
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/converters.h:130:161:
```

```
note: deduced return type only available with -std=c++14 or -std=gnu++14
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/converters.h:137:10:
```

```
error: expected primary-expression before 'auto'
```

```
decltype(auto) make_converting_iterator(Iterator&& it,
```

```
^~~~
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/converters.h:137:10:
```

```
error: expected ')' before 'auto'
```

```
decltype(auto) make_converting_iterator(Iterator&& it,
```

```
~^~~~
```

```
)
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/converters.h:137:10:
```

```
error: expected primary-expression before 'auto'
```

```
decltype(auto) make_converting_iterator(Iterator&& it,
```

```
^~~~
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/converters.h:137:10:
```

```
error: expected primary-expression before 'auto'
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/converters.h:137:10:
```

```
error: expected primary-expression before 'auto'
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/converters.h:137:10:
```

```
error: expected primary-expression before 'auto'
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/converters.h:137:1:
```

```
error: expected unqualified-id before 'decltype'
```

```
decltype(auto) make_converting_iterator(Iterator&& it,
```

```
^~~~~~
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/converters.h:145:1:
```

```
error: 'inherit_reference_t' does not name a type; did you mean 'inherit_generic'?
```

```
inherit_reference_t<Target, Source&&>
```

```
^~~~~~
```

```
inherit_generic
```

```

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h: In instantiation of
'class pm::GenericSet<pm::Series<int, false>, int, pm::operations::cmp>':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:303:7: required from
'class pm::Series<int, false>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IndexedSubset.h:41:38:
required from here
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:69:68: error: static
assertion failed: elements must have a total ordering
static_assert(!std::is_same<Comparator, operations::cmp>::value || is_ordered<E>::value,
"elements must have a total ordering");

```

```

~~~~~^~~~~~
In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/Vector.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core-wrappers/polymake/Vector.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericMatrix.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Matrix.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core-wrappers/polymake/Matrix.h:20,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:20:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericVector.h:222:47: error:
'can_assign_to' was not declared in this scope
typename=typename std::enable_if<can_assign_to<E2, E>::value>::type>
^~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericVector.h:222:47: note:
suggested alternative: 'max_align_t'
typename=typename std::enable_if<can_assign_to<E2, E>::value>::type>
^~~~~~
max_align_t
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericVector.h:222:66: error:
template argument 1 is invalid
typename=typename std::enable_if<can_assign_to<E2, E>::value>::type>
^

```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericVector.h:222:67: error:
expected identifier before '::' token
typename=typename std::enable_if<can_assign_to<E2, E>::value>::type>
^~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericVector.h:222:67: error:
expected '>' before '::' token
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericVector.h:222:77: error:
'type' in namespace '::' does not name a type
typename=typename std::enable_if<can_assign_to<E2, E>::value>::type>
^~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericVector.h:222:75: note:
suggested alternative: 'wctype'
typename=typename std::enable_if<can_assign_to<E2, E>::value>::type>
^~

wctype
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericVector.h:234:47: error:
'can_assign_to' was not declared in this scope
typename=typename std::enable_if<can_assign_to<E2, E>::value>::type>
^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericVector.h:234:47: note:
suggested alternative: 'max_align_t'
typename=typename std::enable_if<can_assign_to<E2, E>::value>::type>
^~~~~~

max_align_t
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericVector.h:234:66: error:
template argument 1 is invalid
typename=typename std::enable_if<can_assign_to<E2, E>::value>::type>
^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericVector.h:234:67: error:
expected identifier before '::' token
typename=typename std::enable_if<can_assign_to<E2, E>::value>::type>
^~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericVector.h:234:67: error:
expected '>' before '::' token
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericVector.h:234:77: error:
'type' in namespace '::' does not name a type
typename=typename std::enable_if<can_assign_to<E2, E>::value>::type>
^~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericVector.h:234:75: note:
```

suggested alternative: 'wctype'

typename=typename std::enable\_if<can\_assign\_to<E2, E>::value>::type>

^~

wctype

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/Matrix.h:24,

from /home/laisrast/Downloads/polymake-3.2/include/core-wrappers/polymake/Matrix.h:20,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:20:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericMatrix.h: In static member function 'static constexpr bool pm::GenericMatrix<TMatrix, E>::is\_assignable\_from()':  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericMatrix.h:161:14: error:  
'can\_assign\_to' was not declared in this scope

can\_assign\_to<typename TMatrix2::element\_type, E>::value;

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericMatrix.h:161:14: note:  
suggested alternative: 'max\_align\_t'

can\_assign\_to<typename TMatrix2::element\_type, E>::value;

^~~~~~

max\_align\_t

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericMatrix.h:161:59: error:  
expected '(' before ',' token

can\_assign\_to<typename TMatrix2::element\_type, E>::value;

^

(

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericMatrix.h:161:62: error:  
expected primary-expression before '>' token

can\_assign\_to<typename TMatrix2::element\_type, E>::value;

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericMatrix.h:161:65: error:  
'::value' has not been declared

can\_assign\_to<typename TMatrix2::element\_type, E>::value;

^~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericMatrix.h:161:65: note:  
suggested alternative:

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/Series.h:26,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,  
from /home/laisrast/Downloads/polymake-  
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/Wary.h:84:39: note:  
'value<T>'

typename std::enable\_if<MaybeWary<T>::value, Wary<T>&>::type  
^~~~~

In file included from /home/laisrast/Downloads/polymake-  
3.2/include/core/polymake/Matrix.h:24,  
from /home/laisrast/Downloads/polymake-3.2/include/core-wrappers/polymake/Matrix.h:20,  
from /home/laisrast/Downloads/polymake-  
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:20:  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericMatrix.h: At global  
scope:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericMatrix.h:2026:81:  
error: 'diag' function uses 'auto' type specifier without trailing return type  
auto diag(const GenericMatrix<Matrix1,E>& m1, const GenericMatrix<Matrix2,E>& m2)  
^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericMatrix.h:2026:81:  
note: deduced return type only available with -std=c++14 or -std=gnu++14  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericMatrix.h:2035:81:  
error: 'diag' function uses 'auto' type specifier without trailing return type  
auto diag(const GenericVector<Vector1,E>& v1, const GenericMatrix<Matrix2,E>& m2)  
^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericMatrix.h:2035:81:  
note: deduced return type only available with -std=c++14 or -std=gnu++14  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericMatrix.h:2044:81:  
error: 'diag' function uses 'auto' type specifier without trailing return type  
auto diag(const GenericMatrix<Matrix1,E>& m1, const GenericVector<Vector2,E>& v2)  
^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericMatrix.h:2044:81:  
note: deduced return type only available with -std=c++14 or -std=gnu++14  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericMatrix.h:2052:65:  
error: 'diag' function uses 'auto' type specifier without trailing return type  
auto diag(const Scalar1& x1, const GenericMatrix<Matrix2, E>& m2)  
^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericMatrix.h:2052:65:  
note: deduced return type only available with -std=c++14 or -std=gnu++14

```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericMatrix.h:2061:65:
error: 'diag' function uses 'auto' type specifier without trailing return type
auto diag(const GenericMatrix<Matrix1, E>& m1, const Scalar2& x2)
^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericMatrix.h:2061:65:
note: deduced return type only available with -std=c++14 or -std=gnu++14

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericMatrix.h:2070:86:
error: 'anti_diag' function uses 'auto' type specifier without trailing return type
auto anti_diag(const GenericMatrix<Matrix1,E>& m1, const GenericMatrix<Matrix2,E>& m2)
^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericMatrix.h:2070:86:
note: deduced return type only available with -std=c++14 or -std=gnu++14

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericMatrix.h:2079:86:
error: 'anti_diag' function uses 'auto' type specifier without trailing return type
auto anti_diag(const GenericVector<Vector1,E>& v1, const GenericMatrix<Matrix2,E>& m2)
^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericMatrix.h:2079:86:
note: deduced return type only available with -std=c++14 or -std=gnu++14

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericMatrix.h:2088:88:
error: 'anti_diag' function uses 'auto' type specifier without trailing return type
auto anti_diag(const GenericMatrix<Matrix1, E>& m1, const GenericVector<Vector2, E>& v2)
^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericMatrix.h:2088:88:
note: deduced return type only available with -std=c++14 or -std=gnu++14

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericMatrix.h:2096:70:
error: 'anti_diag' function uses 'auto' type specifier without trailing return type
auto anti_diag(const Scalar1& x1, const GenericMatrix<Matrix2, E>& m2)
^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericMatrix.h:2096:70:
note: deduced return type only available with -std=c++14 or -std=gnu++14

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericMatrix.h:2105:69:
error: 'anti_diag' function uses 'auto' type specifier without trailing return type
auto anti_diag(const GenericMatrix<Matrix1,E>& m1, const Scalar2& x2)
^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericMatrix.h:2105:69:
note: deduced return type only available with -std=c++14 or -std=gnu++14
In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/sparse2d.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:25,

```

```

from /home/laisrast/Downloads/polymake-3.2/include/core-
wrappers/polymake/IncidenceMatrix.h:20,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:21:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/AVL.h: In member
function 'pm::AVL::tree<Traits>::Ptr pm::AVL::tree<Traits>::find_nearest_node(const Key&,
const RelOp&, const Comparator&) const':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/AVL.h:610:89: error:
invalid use of incomplete type 'struct pm::iterator_traits<const pm::cmp_value*>'
typename unary_op_builder< operations::fix2<cmp_value, RelOp>, const
cmp_value*>::operation good(cmp_eq);
^

```

```

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations.h:21,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:
note: declaration of 'struct pm::iterator_traits<const pm::cmp_value*>'
struct iterator_traits
^~~~~~

```

```

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/sparse2d.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core-
wrappers/polymake/IncidenceMatrix.h:20,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:21:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/AVL.h:610:89: error:
template argument 3 is invalid
typename unary_op_builder< operations::fix2<cmp_value, RelOp>, const
cmp_value*>::operation good(cmp_eq);
^

```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/AVL.h:625:26: error:

'good' cannot be used as a function

```
if (good(diff)) {
```

^

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/IncidenceMatrix.h:25,

from /home/laisrast/Downloads/polymake-3.2/include/core-

wrappers/polymake/IncidenceMatrix.h:20,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:21:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse2d.h: At global scope:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse2d.h:87:10:

error: expected primary-expression before 'auto'

```
decltype(auto) lines(TMatrix& m, rowwise) { return pm::rows(m); }
```

^~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse2d.h:87:10:

error: expected ')' before 'auto'

```
decltype(auto) lines(TMatrix& m, rowwise) { return pm::rows(m); }
```

~^~~~

)

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse2d.h:87:10:

error: expected primary-expression before 'auto'

```
decltype(auto) lines(TMatrix& m, rowwise) { return pm::rows(m); }
```

^~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse2d.h:87:10:

error: expected primary-expression before 'auto'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse2d.h:87:10:

error: expected primary-expression before 'auto'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse2d.h:87:10:

error: expected primary-expression before 'auto'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse2d.h:87:1:

error: expected unqualified-id before 'decltype'

```
decltype(auto) lines(TMatrix& m, rowwise) { return pm::rows(m); }
```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse2d.h:90:10:

error: expected primary-expression before 'auto'

```
decltype(auto) lines(TMatrix& m, columnwise) { return pm::cols(m); }
```

^~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse2d.h:90:10:

error: expected ')' before 'auto'

```
decltype(auto) lines(TMatrix& m, columnwise) { return pm::cols(m); }
```

~^~~~

)

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse2d.h:90:10:

error: expected primary-expression before 'auto'

```
decltype(auto) lines(TMatrix& m, columnwise) { return pm::cols(m); }
```

^~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse2d.h:90:10:

error: expected primary-expression before 'auto'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse2d.h:90:10:

error: expected primary-expression before 'auto'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse2d.h:90:10:

error: expected primary-expression before 'auto'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse2d.h:90:1:

error: expected unqualified-id before 'decltype'

```
decltype(auto) lines(TMatrix& m, columnwise) { return pm::cols(m); }
```

^~~~~~

In file included from /home/laisrast/Downloads/polymake-3.2/include/core-

wrappers/polymake/Set.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:26,

from /home/laisrast/Downloads/polymake-3.2/include/core-

wrappers/polymake/IncidenceMatrix.h:20,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:21:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Set.h:510:70: error:

'operator<<' function uses 'auto' type specifier without trailing return type

```
auto operator<< (typename function_argument<E>::type upper_limit) const
```

^~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Set.h:510:70: note: deduced

return type only available with -std=c++14 or -std=gnu++14

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Set.h:515:70: error:

'operator>>' function uses 'auto' type specifier without trailing return type

```
auto operator>> (typename function_argument<E>::type lower_limit) const
```

^~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Set.h:515:70: note: deduced

return type only available with -std=c++14 or -std=gnu++14

In file included from /home/laisrast/Downloads/polymake-

```

3.2/include/core/polymake/internal/operations.h:21,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In
instantiation of 'struct pm::container_category_traits<pm::single_value_container<int, true>,
false>':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:719:8:
required from 'struct pm::default_container_traits<pm::single_value_container<int, true>,
false>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:722:8:
required from 'struct pm::container_traits<pm::single_value_container<int, true> >'
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:235:7: required from 'class
pm::modified_container_typebase<pm::SingleElementIncidenceLine,
polymake::mlist<pm::ContainerTag<pm::single_value_container<int, true> >,
pm::OperationTag<pm::BuildUnaryIt<pm::operations::index2element> > >'
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/GenericIncidenceMatrix.h:347:103: required from here
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:657:86:
error: invalid use of incomplete type 'struct pm::iterator_traits<pm::single_value_iterator<int>
>'
typedef typename iterator_traits<typename Container::iterator>::iterator_category category;
^~~~~~

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations.h:21,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,

```

```

from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:
note: declaration of 'struct pm::iterator_traits<pm::single_value_iterator<int> >'
struct iterator_traits
^~~~~~

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/SelectedSubset.h:21,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:22,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h: In instantiation of 'class
pm::modified_container_typebase<pm::SingleElementIncidenceLine,
polymake::mlist<pm::ContainerTag<pm::single_value_container<int, true> >,
pm::OperationTag<pm::BuildUnaryIt<pm::operations::index2element> > > >':
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/GenericIncidenceMatrix.h:347:103: required from here
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:235:7: error: no type named 'iterator'
in 'struct pm::container_traits<pm::single_value_container<int, true> >'
needed_features;
^~~~~~

/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:238:7: error: no type named 'iterator'
in 'struct pm::container_traits<pm::single_value_container<int, true> >'
iterator;
^~~~~~

/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:241:7: error: no type named 'iterator'
in 'struct pm::container_traits<pm::single_value_container<int, true> >'
const_iterator;
^~~~~~

/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:251:59: error: no type named
'iterator' in 'struct pm::container_traits<pm::single_value_container<int, true> >'

```

```
typedef typename iterator_traits<iterator>::value_type value_type;
```

```
^~~~~~
```

```
/home/laisrast/Downloads/polymake-
```

```
3.2/include/core/polymake/internal/modified_containers.h:252:58: error: no type named  
'iterator' in 'struct pm::container_traits<pm::single_value_container<int, true> >'
```

```
typedef typename iterator_traits<iterator>::reference reference;
```

```
^~~~~~
```

```
/home/laisrast/Downloads/polymake-
```

```
3.2/include/core/polymake/internal/modified_containers.h:253:64: error: no type named  
'iterator' in 'struct pm::container_traits<pm::single_value_container<int, true> >'
```

```
typedef typename iterator_traits<const_iterator>::reference const_reference;
```

```
^~~~~~
```

```
In file included from /home/laisrast/Downloads/polymake-
```

```
3.2/include/core/polymake/IncidenceMatrix.h:27,
```

```
from /home/laisrast/Downloads/polymake-3.2/include/core-  
wrappers/polymake/IncidenceMatrix.h:20,
```

```
from /home/laisrast/Downloads/polymake-
```

```
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:21:
```

```
/home/laisrast/Downloads/polymake-
```

```
3.2/include/core/polymake/GenericIncidenceMatrix.h:347:103: error: template argument 3 is  
invalid
```

```
OperationTag< BuildUnaryIt<operations::index2element> > > >
```

```
^
```

```
In file included from /home/laisrast/Downloads/polymake-
```

```
3.2/include/core/polymake/internal/sparse.h:20,
```

```
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
```

```
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
```

```
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
```

```
from /home/laisrast/Downloads/polymake-
```

```
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h: In instantiation of  
'class pm::GenericSet<pm::SingleElementIncidenceLine, int, pm::operations::cmp>':
```

```
/home/laisrast/Downloads/polymake-
```

```
3.2/include/core/polymake/GenericIncidenceMatrix.h:348:13: required from here
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:69:68: error: static  
assertion failed: elements must have a total ordering
```

```
static_assert(!std::is_same<Comparator, operations::cmp>::value || is_ordered<E>::value,  
"elements must have a total ordering");
```

```
~~~~~^~~~~~
```

```

In file included from /home/laisrast/Downloads/polymake-3.2/include/core-
wrappers/polymake/numerical_functions.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Integer.h:27,
from /home/laisrast/Downloads/polymake-3.2/include/core-wrappers/polymake/Integer.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:21,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:28,
from /home/laisrast/Downloads/polymake-3.2/include/core-
wrappers/polymake/IncidenceMatrix.h:20,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:21:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/numerical_functions.h:26:45:
error: 'pure_type_t' was not declared in this scope
typename std::enable_if<(std::is_arithmetic<pure_type_t<TNum1>>::value &&
^~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/numerical_functions.h:26:45:
note: suggested alternative: 'ptr2type'
typename std::enable_if<(std::is_arithmetic<pure_type_t<TNum1>>::value &&
^~~~~~
ptr2type
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/numerical_functions.h:26:57:
error: template argument 1 is invalid
typename std::enable_if<(std::is_arithmetic<pure_type_t<TNum1>>::value &&
^~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/numerical_functions.h:26:66:
error: '::value' has not been declared
typename std::enable_if<(std::is_arithmetic<pure_type_t<TNum1>>::value &&
^~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/numerical_functions.h:26:66:
note: suggested alternative:
In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/Series.h:26,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/Wary.h:84:39: note:
'value<T>'

```

```
typename std::enable_if<MaybeWary<T>::value, Wary<T>&>::type
```

```
^~~~~
```

```
In file included from /home/laisrast/Downloads/polymake-3.2/include/core-
wrappers/polymake/numerical_functions.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Integer.h:27,
from /home/laisrast/Downloads/polymake-3.2/include/core-wrappers/polymake/Integer.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:21,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:28,
from /home/laisrast/Downloads/polymake-3.2/include/core-
wrappers/polymake/IncidenceMatrix.h:20,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:21:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/numerical_functions.h:27:45:
error: 'pure_type_t' was not declared in this scope
std::is_arithmetic<pure_type_t<TNum2>>::value), bool>::type
```

```
^~~~~~
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/numerical_functions.h:27:45:
note: suggested alternative: 'ptr2type'
std::is_arithmetic<pure_type_t<TNum2>>::value), bool>::type
```

```
^~~~~~
```

```
ptr2type
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/numerical_functions.h:27:57:
error: template argument 1 is invalid
std::is_arithmetic<pure_type_t<TNum2>>::value), bool>::type
```

```
^~~~~
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/numerical_functions.h:27:66:
error: '::value' has not been declared
std::is_arithmetic<pure_type_t<TNum2>>::value), bool>::type
```

```
^~~~~
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/numerical_functions.h:27:66:
note: suggested alternative:
```

```
In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/Series.h:26,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/Wary.h:84:39: note:

‘value<T>’

typename std::enable\_if<MaybeWary<T>::value, Wary<T>&>::type

^~~~~~

In file included from /home/laisrast/Downloads/polymake-3.2/include/core-wrappers/polymake/numerical\_functions.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Integer.h:27,

from /home/laisrast/Downloads/polymake-3.2/include/core-wrappers/polymake/Integer.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:21,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:28,

from /home/laisrast/Downloads/polymake-3.2/include/core-wrappers/polymake/IncidenceMatrix.h:20,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:21:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/numerical\_functions.h:27:78:

error: template argument 1 is invalid

std::is\_arithmetic<pure\_type\_t<TNum2>>::value), bool>::type

^

In file included from /home/laisrast/Downloads/polymake-3.2/include/core-wrappers/polymake/Array.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:24,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:28,

from /home/laisrast/Downloads/polymake-3.2/include/core-wrappers/polymake/IncidenceMatrix.h:20,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:21:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Array.h:130:60: error:

‘can\_assign\_to’ was not declared in this scope

template <typename E2, typename=typename std::enable\_if<can\_assign\_to<E2,  
E>::value>::type>

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Array.h:130:60: note:

suggested alternative: ‘max\_align\_t’

template <typename E2, typename=typename std::enable\_if<can\_assign\_to<E2,  
E>::value>::type>

^~~~~~

max\_align\_t

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Array.h:130:79: error:

template argument 1 is invalid

```
template <typename E2, typename=typename std::enable_if<can_assign_to<E2,
E>::value>::type>
```

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Array.h:130:80: error:  
expected identifier before '::' token

```
template <typename E2, typename=typename std::enable_if<can_assign_to<E2,
E>::value>::type>
```

^~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Array.h:130:80: error:  
expected '>' before '::' token

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Array.h:130:90: error: 'type' in  
namespace '::' does not name a type

```
template <typename E2, typename=typename std::enable_if<can_assign_to<E2,
E>::value>::type>
```

^~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Array.h:130:88: note:  
suggested alternative: 'wctype'

```
template <typename E2, typename=typename std::enable_if<can_assign_to<E2,
E>::value>::type>
```

^~

wctype

In file included from /home/laisrast/Downloads/polymake-  
3.2/include/core/polymake/internal/sparse.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h: In instantiation of  
'class pm::GenericSet<pm::Bitset, int, pm::operations::cmp>':

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Bitset.h:117:13: required from  
here

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:69:68: error: static  
assertion failed: elements must have a total ordering

```
static_assert(!std::is_same<Comparator, operations::cmp>::value || is_ordered<E>::value,
"elements must have a total ordering");
```

~~~~~^~~~~~

In file included from /home/laisrast/Downloads/polymake-  
3.2/include/core/polymake/internal/operations.h:21,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/comparators\_ops.h:25,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,  
from /home/laisrast/Downloads/polymake-3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In  
instantiation of 'struct pm::container\_category\_traits<std::vector<int>, false>':  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:719:8:  
required from 'struct pm::default\_container\_traits<std::vector<int>, false>'  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:722:8:  
required from 'struct pm::container\_traits<std::vector<int> >'  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1099:94:  
required from 'const bool pm::default\_check\_container\_feature<std::vector<int>, pm::end\_sensitive>::value'  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type\_manip.h:558:22:  
required from 'const bool pm::list\_search<std::vector<int>, pm::end\_sensitive, pm::check\_container\_feature>::value'  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type\_manip.h:562:64:  
required from 'struct pm::list\_search<std::vector<int>, pm::end\_sensitive, pm::check\_container\_feature>'  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type\_manip.h:633:8: [ skipping 7 instantiation contexts, use -ftemplate-backtrace-limit=0 to disable ]  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:719:8:  
required from 'struct pm::default\_container\_traits<pm::feature\_collector<std::vector<int>, pm::end\_sensitive>, false>'  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:722:8:  
required from 'struct pm::container\_traits<pm::feature\_collector<std::vector<int>, pm::end\_sensitive> >'  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1252:8:  
required from 'struct pm::ensure\_features<std::vector<int>, pm::end\_sensitive>'  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1728:8:  
required from 'struct pm::Entire<std::vector<int> >'  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1739:1:  
required by substitution of 'template<class Container> typename pm::Entire<typename pm::Concrete<T>::type>::const\_iterator pm::entire(const Container&) [with Container =

```
std::vector<int>]'
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:41:34:
```

```
required from here
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:657:86:
```

```
error: invalid use of incomplete type 'struct
```

```
pm::iterator_traits<__gnu_cxx::__normal_iterator<int*, std::vector<int> > >'
```

```
typedef typename iterator_traits<typename Container::iterator>::iterator_category category;
```

```
^~~~~~
```

```
In file included from /home/laisrast/Downloads/polymake-
```

```
3.2/include/core/polymake/internal/operations.h:21,
```

```
from /home/laisrast/Downloads/polymake-
```

```
3.2/include/core/polymake/internal/comparators_ops.h:25,
```

```
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
```

```
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
```

```
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
```

```
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
```

```
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
```

```
from /home/laisrast/Downloads/polymake-
```

```
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:
```

```
note: declaration of 'struct pm::iterator_traits<__gnu_cxx::__normal_iterator<int*,
```

```
std::vector<int> > >'
```

```
struct iterator_traits
```

```
^~~~~~
```

```
In file included from /home/laisrast/Downloads/polymake-
```

```
3.2/include/core/polymake/internal/operations.h:21,
```

```
from /home/laisrast/Downloads/polymake-
```

```
3.2/include/core/polymake/internal/comparators_ops.h:25,
```

```
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
```

```
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
```

```
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
```

```
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
```

```
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
```

```
from /home/laisrast/Downloads/polymake-
```

```
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In
```

```
instantiation of 'const bool pm::default_check_container_feature<std::vector<int>,
```

```
pm::end_sensitive>::value':
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:558:22:
```

```

required from 'const bool pm::list_search<std::vector<int>, pm::end_sensitive,
pm::check_container_feature>::value'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:562:64:
required from 'struct pm::list_search<std::vector<int>, pm::end_sensitive,
pm::check_container_feature>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:633:8:
required from 'struct pm::list_search_all<std::vector<int>, pm::end_sensitive,
pm::check_container_feature>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1206:92:
required from 'struct pm::enforce_lacking_features<std::vector<int>, pm::end_sensitive>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1218:7:
required from 'class pm::feature_collector<std::vector<int>, pm::end_sensitive>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:611:1: [
skipping 4 instantiation contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:719:8:
required from 'struct pm::default_container_traits<pm::feature_collector<std::vector<int>,
pm::end_sensitive>, false>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:722:8:
required from 'struct pm::container_traits<pm::feature_collector<std::vector<int>,
pm::end_sensitive> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1252:8:
required from 'struct pm::ensure_features<std::vector<int>, pm::end_sensitive>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1728:8:
required from 'struct pm::Entire<std::vector<int> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1739:1:
required by substitution of 'template<class Container> typename pm::Entire<typename
pm::Concrete<T>::type>::const_iterator pm::entire(const Container&) [with Container =
std::vector<int>]'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:41:34:
required from here
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1099:94:
error: no type named 'iterator' in 'struct pm::container_traits<std::vector<int> >'
check_iterator_feature<typename container_traits<Container>::iterator, Feature>::value &&
~~~~~
~~~~~^~~~~
!list_search_all<Feature, typename
enforce_feature_helper<Container>::must_enforce_features, absorbing_feature>::value;
~~~~~
~~~~~

```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In instantiation of 'struct pm::container\_category\_traits<pm::feature\_collector<std::vector<int>, pm::end\_sensitive>, false>':

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:719:8: required from 'struct pm::default\_container\_traits<pm::feature\_collector<std::vector<int>, pm::end\_sensitive>, false>'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:722:8: required from 'struct pm::container\_traits<pm::feature\_collector<std::vector<int>, pm::end\_sensitive> >'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1252:8: required from 'struct pm::ensure\_features<std::vector<int>, pm::end\_sensitive>'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1728:8: required from 'struct pm::Entire<std::vector<int> >'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1739:1: required by substitution of 'template<class Container> typename pm::Entire<typename pm::Concrete<T>::type>::const\_iterator pm::entire(const Container&) [with Container = std::vector<int>]'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:41:34: required from here

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:657:86: error: no type named 'iterator' in 'class pm::feature\_collector<std::vector<int>, pm::end\_sensitive>'

typedef typename iterator\_traits<typename Container::iterator>::iterator\_category category;  
^~~~~~

In file included from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:28,

from /home/laisrast/Downloads/polymake-3.2/include/core-wrappers/polymake/IncidenceMatrix.h:20,

from /home/laisrast/Downloads/polymake-3.2/bundled/singular/apps/common/src/perl/Matrix.cc:21:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h: In function 'int pm::permutation\_sign(const Permutation&)':

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:41:34: error: no matching function for call to 'entire(std::vector<int>&)'  
copy\_range(v.begin(), entire(w));

^

In file included from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/operations.h:21,

from /home/laisrast/Downloads/polymake-

```

3.2/include/core/polymake/internal/comparators_ops.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1732:1:
note: candidate: 'template<class Container> typename pm::Entire<typename
pm::Concrete<T>::type>::iterator pm::entire(Container&)'
entire(Container& c)
^~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1732:1:
note: template argument deduction/substitution failed:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In
substitution of 'template<class Container> typename pm::Entire<typename
pm::Concrete<T>::type>::iterator pm::entire(Container&) [with Container = std::vector<int>]':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:41:34:
required from here
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1732:1:
error: no type named 'iterator' in 'struct pm::Entire<std::vector<int> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1739:1:
note: candidate: 'template<class Container> typename pm::Entire<typename
pm::Concrete<T>::type>::const_iterator pm::entire(const Container&)'
entire(const Container& c)
^~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1739:1:
note: substitution of deduced template arguments resulted in errors seen above
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In
instantiation of 'struct pm::container_category_traits<pm::feature_collector<pm::Series<int,
true>, pm::end_sensitive>, false>':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:719:8:
required from 'struct pm::default_container_traits<pm::feature_collector<pm::Series<int, true>,
pm::end_sensitive>, false>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:722:8:
required from 'struct pm::container_traits<pm::feature_collector<pm::Series<int, true>,
pm::end_sensitive> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1252:8:

```

```

required from 'struct pm::ensure_features<pm::Series<int, true>, pm::end_sensitive>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1728:8:
required from 'struct pm::Entire<pm::Series<int, true> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1739:1:
required by substitution of 'template<class Container> typename pm::Entire<typename
pm::Concrete<T>::type>::const_iterator pm::entire(const Container&) [with Container =
pm::Series<int, true>]
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:304:56:
required from here
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:657:86:
error: no type named 'iterator' in 'class pm::feature_collector<pm::Series<int, true>,
pm::end_sensitive>'
typedef typename iterator_traits<typename Container::iterator>::iterator_category category;
^~~~~~

```

```

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/IncidenceMatrix.h:28,
from /home/laisrast/Downloads/polymake-3.2/include/core-
wrappers/polymake/IncidenceMatrix.h:20,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:21:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h: In member
function 'void pm::permutation_iterator_base::reset(int)':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:304:56: error:
no matching function for call to 'entire(pm::sequence)'
void reset(int n) { copy_range(entire(sequence(0, n)), perm.begin()); }
^

```

```

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations.h:21,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1732:1:
note: candidate: 'template<class Container> typename pm::Entire<typename

```

```
pm::Concrete<T>::type>::iterator pm::entire(Container&)'
```

```
entire(Container& c)
```

```
^~~~~~
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1732:1:
```

```
note: template argument deduction/substitution failed:
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In
```

```
substitution of 'template<class Container> typename pm::Entire<typename
```

```
pm::Concrete<T>::type>::iterator pm::entire(Container&) [with Container = pm::Series<int,
true>]':
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:304:56:
```

```
required from here
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1732:1:
```

```
error: no type named 'iterator' in 'struct pm::Entire<pm::Series<int, true> >'
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1739:1:
```

```
note: candidate: 'template<class Container> typename pm::Entire<typename
```

```
pm::Concrete<T>::type>::const_iterator pm::entire(const Container&)'
```

```
entire(const Container& c)
```

```
^~~~~~
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1739:1:
```

```
note: substitution of deduced template arguments resulted in errors seen above
```

```
In file included from /home/laisrast/Downloads/polymake-
```

```
3.2/include/core/polymake/IncidenceMatrix.h:28,
```

```
from /home/laisrast/Downloads/polymake-3.2/include/core-
```

```
wrappers/polymake/IncidenceMatrix.h:20,
```

```
from /home/laisrast/Downloads/polymake-
```

```
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:21:
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:304:24: error:
```

```
'copy_range' was not declared in this scope
```

```
void reset(int n) { copy_range(entire(sequence(0, n)), perm.begin()); }
```

```
^~~~~~
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:304:24: note:
```

```
suggested alternative: 'fold_ranges'
```

```
void reset(int n) { copy_range(entire(sequence(0, n)), perm.begin()); }
```

```
^~~~~~
```

```
fold_ranges
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h: In member
```

```
function 'void pm::permutation_iterator<(pm::permutation_sequence)0>::rewind()':
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:371:28: error:
```

```
no matching function for call to 'entire(std::vector<int>&)'
```

```
fill_range(entire(cnt), 0);
```

^

```
In file included from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/operations.h:21,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/comparators_ops.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1732:1:
note: candidate: 'template<class Container> typename pm::Entire<typename
pm::Concrete<T>::type>::iterator pm::entire(Container&)'
entire(Container& c)
```

~~~~~

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1732:1:
note: template argument deduction/substitution failed:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In
substitution of 'template<class Container> typename pm::Entire<typename
pm::Concrete<T>::type>::iterator pm::entire(Container&) [with Container = std::vector<int>]':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:371:28:
required from here
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1732:1:
error: no type named 'iterator' in 'struct pm::Entire<std::vector<int> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1739:1:
note: candidate: 'template<class Container> typename pm::Entire<typename
pm::Concrete<T>::type>::const_iterator pm::entire(const Container&)'
entire(const Container& c)
```

~~~~~

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1739:1:
note: template argument deduction/substitution failed:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In
substitution of 'template<class Container> typename pm::Entire<typename
pm::Concrete<T>::type>::const_iterator pm::entire(const Container&) [with Container =
std::vector<int>]':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:371:28:
```

required from here

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1739:1:

error: no type named 'const\_iterator' in 'struct pm::Entire<std::vector<int> >'

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/IncidenceMatrix.h:28,

from /home/laisrast/Downloads/polymake-3.2/include/core-

wrappers/polymake/IncidenceMatrix.h:20,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:21:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h: In member

function 'void pm::permutation\_iterator<(pm::permutation\_sequence)1>::rewind()':

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:458:29: error:

no matching function for call to 'entire(std::vector<int>&)'

fill\_range(entire(move), 1);

^

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/operations.h:21,

from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/comparators\_ops.h:25,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1732:1:

note: candidate: 'template<class Container> typename pm::Entire<typename

pm::Concrete<T>::type>::iterator pm::entire(Container&)'

entire(Container& c)

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1732:1:

note: template argument deduction/substitution failed:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In

substitution of 'template<class Container> typename pm::Entire<typename

pm::Concrete<T>::type>::iterator pm::entire(Container&) [with Container = std::vector<int>]':

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:458:29:

required from here

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1732:1:

```

error: no type named 'iterator' in 'struct pm::Entire<std::vector<int> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1739:1:
note: candidate: 'template<class Container> typename pm::Entire<typename
pm::Concrete<T>::type>::const_iterator pm::entire(const Container&)'
entire(const Container& c)
^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1739:1:
note: template argument deduction/substitution failed:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In
substitution of 'template<class Container> typename pm::Entire<typename
pm::Concrete<T>::type>::const_iterator pm::entire(const Container&) [with Container =
std::vector<int>]':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:458:29:
required from here
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1739:1:
error: no type named 'const_iterator' in 'struct pm::Entire<std::vector<int> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In
instantiation of 'class pm::iterator_range<pm::ptr_wrapper<pm::Array<int>, false> >':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:687:51:
required from here
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:425:73:
error: invalid use of incomplete type 'struct
pm::iterator_traits<pm::ptr_wrapper<pm::Array<int>, false> >'
typedef iterator_range<typename iterator_traits<Iterator>::iterator> iterator;
^~~~~~

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations.h:21,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:
note: declaration of 'struct pm::iterator_traits<pm::ptr_wrapper<pm::Array<int>, false> >'
struct iterator_traits

```

^~~~~~

In file included from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/operations.h:21,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/comparators\_ops.h:25,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,  
from /home/laisrast/Downloads/polymake-3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:426:79:  
error: invalid use of incomplete type 'struct  
pm::iterator\_traits<pm::ptr\_wrapper<pm::Array<int>, false> >'  
typedef iterator\_range<typename iterator\_traits<Iterator>::const\_iterator> const\_iterator;

^~~~~~

In file included from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/operations.h:21,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/comparators\_ops.h:25,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,  
from /home/laisrast/Downloads/polymake-3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:  
note: declaration of 'struct pm::iterator\_traits<pm::ptr\_wrapper<pm::Array<int>, false> >'  
struct iterator\_traits

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In  
instantiation of 'struct pm::const\_compatible\_with<pm::ptr\_wrapper<pm::Array<int>, false> >':  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:436:114:  
required from 'class pm::iterator\_range<pm::ptr\_wrapper<pm::Array<int>, false> >'  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:687:51:  
required from here  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:148:8:

error: invalid use of incomplete type 'struct

pm::iterator\_traits<pm::ptr\_wrapper<pm::Array<int>, false> >'

struct const\_compatible\_with

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:

note: declaration of 'struct pm::iterator\_traits<pm::ptr\_wrapper<pm::Array<int>, false> >'

struct iterator\_traits

^~~~~~

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/operations.h:21,

from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/comparators\_ops.h:25,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In

instantiation of 'class pm::iterator\_range<pm::ptr\_wrapper<pm::Array<int>, false> >':

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:687:51:

required from here

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:436:114:

error: no type named 'type' in 'struct

pm::const\_compatible\_with<pm::ptr\_wrapper<pm::Array<int>, false> >'

typename enabled=typename std::enable\_if<is\_const\_compatible\_with<SourceIterator1,  
Iterator>::value &&

~~~~~^~

is\_derived\_from\_any<SourceIterator2, typename

const\_compatible\_with<end\_type>::type>::value>::type>

~~~~~

~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:512:4:

error: invalid use of incomplete type 'struct

pm::iterator\_traits<pm::ptr\_wrapper<pm::Array<int>, false> >'

operator- (const Other& other) const

^~~~~~

In file included from /home/laisrast/Downloads/polymake-

```

3.2/include/core/polymake/internal/operations.h:21,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:
note: declaration of 'struct pm::iterator_traits<pm::ptr_wrapper<pm::Array<int>, false> >'
struct iterator_traits
^~~~~~

```

```

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations.h:21,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In
instantiation of 'class pm::iterator_range<pm::ptr_wrapper<const pm::Array<int>, false> >':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:687:76:
required from here
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:425:73:
error: invalid use of incomplete type 'struct pm::iterator_traits<pm::ptr_wrapper<const
pm::Array<int>, false> >'
typedef iterator_range<typename iterator_traits<Iterator>::iterator> iterator;
^~~~~~

```

```

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations.h:21,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,

```

```
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:
note: declaration of 'struct pm::iterator_traits<pm::ptr_wrapper<const pm::Array<int>, false> >'
struct iterator_traits
^~~~~~
```

```
In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations.h:21,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:426:79:
error: invalid use of incomplete type 'struct pm::iterator_traits<pm::ptr_wrapper<const
pm::Array<int>, false> >'
typedef iterator_range<typename iterator_traits<Iterator>::const_iterator> const_iterator;
^~~~~~
```

```
In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations.h:21,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:
note: declaration of 'struct pm::iterator_traits<pm::ptr_wrapper<const pm::Array<int>, false> >'
```

struct iterator\_traits

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In instantiation of 'struct pm::const\_compatible\_with<pm::ptr\_wrapper<const pm::Array<int>, false> >':

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:436:114: required from 'class pm::iterator\_range<pm::ptr\_wrapper<const pm::Array<int>, false> >'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:687:76: required from here

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:148:8: error: invalid use of incomplete type 'struct pm::iterator\_traits<pm::ptr\_wrapper<const pm::Array<int>, false> >'

struct const\_compatible\_with

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:

note: declaration of 'struct pm::iterator\_traits<pm::ptr\_wrapper<const pm::Array<int>, false> >'

struct iterator\_traits

^~~~~~

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/operations.h:21,

from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/comparators\_ops.h:25,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In

instantiation of 'class pm::iterator\_range<pm::ptr\_wrapper<const pm::Array<int>, false> >':

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:687:76:

required from here

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:436:114:

error: no type named 'type' in 'struct pm::const\_compatible\_with<pm::ptr\_wrapper<const pm::Array<int>, false> >'

typename enabled=typename std::enable\_if<is\_const\_compatible\_with<SourceIterator1, Iterator>::value &&

~~~~~^~

```
is_derived_from_any<SourceIterator2, typename
const_compatible_with<end_type>::type>::value>::type>
```

```
~~~~~  
~~~~~  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:512:4:
error: invalid use of incomplete type 'struct pm::iterator_traits<pm::ptr_wrapper<const
pm::Array<int>, false> >'
```

```
operator- (const Other& other) const
^~~~~~
```

```
In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations.h:21,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:
note: declaration of 'struct pm::iterator_traits<pm::ptr_wrapper<const pm::Array<int>, false> >'
struct iterator_traits
```

```
^~~~~~
In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations.h:21,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In
instantiation of 'class pm::iterator_range<pm::ptr_wrapper<int, false> >':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:690:58:
required from here
```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:425:73:  
error: invalid use of incomplete type 'struct pm::iterator\_traits<pm::ptr\_wrapper<int, false> >'  
typedef iterator\_range<typename iterator\_traits<Iterator>::iterator> iterator;

^~~~~~

In file included from /home/laisrast/Downloads/polymake-  
3.2/include/core/polymake/internal/operations.h:21,  
from /home/laisrast/Downloads/polymake-  
3.2/include/core/polymake/internal/comparators\_ops.h:25,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,  
from /home/laisrast/Downloads/polymake-  
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:  
note: declaration of 'struct pm::iterator\_traits<pm::ptr\_wrapper<int, false> >'  
struct iterator\_traits

^~~~~~

In file included from /home/laisrast/Downloads/polymake-  
3.2/include/core/polymake/internal/operations.h:21,  
from /home/laisrast/Downloads/polymake-  
3.2/include/core/polymake/internal/comparators\_ops.h:25,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,  
from /home/laisrast/Downloads/polymake-  
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:426:79:  
error: invalid use of incomplete type 'struct pm::iterator\_traits<pm::ptr\_wrapper<int, false> >'  
typedef iterator\_range<typename iterator\_traits<Iterator>::const\_iterator> const\_iterator;

^~~~~~

In file included from /home/laisrast/Downloads/polymake-  
3.2/include/core/polymake/internal/operations.h:21,  
from /home/laisrast/Downloads/polymake-  
3.2/include/core/polymake/internal/comparators\_ops.h:25,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,

```

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:
note: declaration of 'struct pm::iterator_traits<pm::ptr_wrapper<int, false> >'
struct iterator_traits
^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In
instantiation of 'struct pm::const_compatible_with<pm::ptr_wrapper<int, false> >':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:436:114:
required from 'class pm::iterator_range<pm::ptr_wrapper<int, false> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:690:58:
required from here
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:148:8:
error: invalid use of incomplete type 'struct pm::iterator_traits<pm::ptr_wrapper<int, false> >'
struct const_compatible_with
^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:
note: declaration of 'struct pm::iterator_traits<pm::ptr_wrapper<int, false> >'
struct iterator_traits
^~~~~~

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations.h:21,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In
instantiation of 'class pm::iterator_range<pm::ptr_wrapper<int, false> >':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:690:58:
required from here

```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:436:114:  
error: no type named 'type' in 'struct pm::const\_compatible\_with<pm::ptr\_wrapper<int, false>  
>'

typename enabled=typename std::enable\_if<is\_const\_compatible\_with<SourceIterator1,  
Iterator>::value &&

~~~~~^~

is\_derived\_from\_any<SourceIterator2, typename  
const\_compatible\_with<end\_type>::type>::value>::type>

~~~~~  
~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:512:4:  
error: invalid use of incomplete type 'struct pm::iterator\_traits<pm::ptr\_wrapper<int, false> >'  
operator- (const Other& other) const

^~~~~~

In file included from /home/laisrast/Downloads/polymake-  
3.2/include/core/polymake/internal/operations.h:21,  
from /home/laisrast/Downloads/polymake-  
3.2/include/core/polymake/internal/comparators\_ops.h:25,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,  
from /home/laisrast/Downloads/polymake-  
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:  
note: declaration of 'struct pm::iterator\_traits<pm::ptr\_wrapper<int, false> >'

struct iterator\_traits

^~~~~~

In file included from /home/laisrast/Downloads/polymake-  
3.2/include/core/polymake/internal/operations.h:21,  
from /home/laisrast/Downloads/polymake-  
3.2/include/core/polymake/internal/comparators\_ops.h:25,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,  
from /home/laisrast/Downloads/polymake-

```

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In
instantiation of 'struct pm::container_category_traits<pm::AVL::tree<pm::AVL::traits<int, int,
pm::operations::cmp> >, false>':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:719:8:
required from 'struct pm::default_container_traits<pm::AVL::tree<pm::AVL::traits<int, int,
pm::operations::cmp> >, false>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:722:8:
required from 'struct pm::container_traits<pm::AVL::tree<pm::AVL::traits<int, int,
pm::operations::cmp> > >'
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:235:7: required from 'class
pm::modified_container_typebase<pm::Map<int, int>,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<int, int,
pm::operations::cmp> > >, pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >
>'
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/tree_containers.h:26:7: required from 'class
pm::modified_tree_impl<pm::Map<int, int>,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<int, int,
pm::operations::cmp> > >, pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >,
true>'
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/tree_containers.h:71:7: required from 'class
pm::modified_tree<pm::Map<int, int>,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<int, int,
pm::operations::cmp> > >, pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >
>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Map.h:43:7: required from
'class pm::Map<int, int>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:714:23:
required from here
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:657:86:
error: invalid use of incomplete type 'struct
pm::iterator_traits<pm::AVL::tree_iterator<pm::AVL::it_traits<int, int, pm::operations::cmp>,
(pm::AVL::link_index)1> >'
typedef typename iterator_traits<typename Container::iterator>::iterator_category category;
^~~~~~
In file included from /home/laisrast/Downloads/polymake-

```

```

3.2/include/core/polymake/internal/operations.h:21,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:
note: declaration of 'struct pm::iterator_traits<pm::AVL::tree_iterator<pm::AVL::it_traits<int, int,
pm::operations::cmp>, (pm::AVL::link_index)1>>'
struct iterator_traits

```

^~~~~~

```

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/SelectedSubset.h:21,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:22,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h: In instantiation of 'class
pm::modified_container_typebase<pm::Map<int, int>,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<int, int,
pm::operations::cmp>>>, pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor>>>
>':

```

```

/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/tree_containers.h:26:7: required from 'class
pm::modified_tree_impl<pm::Map<int, int>,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<int, int,
pm::operations::cmp>>>, pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor>>>,
true>'

```

```

/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/tree_containers.h:71:7: required from 'class
pm::modified_tree<pm::Map<int, int>,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<int, int,

```

```

pm::operations::cmp> > >, pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >
>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Map.h:43:7: required from
'class pm::Map<int, int>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:714:23:
required from here
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:235:7: error: no type named 'iterator'
in 'struct pm::container_traits<pm::AVL::tree<pm::AVL::traits<int, int, pm::operations::cmp> >
>'
needed_features;
^~~~~~
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:238:7: error: no type named 'iterator'
in 'struct pm::container_traits<pm::AVL::tree<pm::AVL::traits<int, int, pm::operations::cmp> >
>'
iterator;
^~~~~~
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:241:7: error: no type named 'iterator'
in 'struct pm::container_traits<pm::AVL::tree<pm::AVL::traits<int, int, pm::operations::cmp> >
>'
const_iterator;
^~~~~~
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:251:59: error: no type named
'iterator' in 'struct pm::container_traits<pm::AVL::tree<pm::AVL::traits<int, int,
pm::operations::cmp> > >'
typedef typename iterator_traits<iterator>::value_type value_type;
^~~~~~
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:252:58: error: no type named
'iterator' in 'struct pm::container_traits<pm::AVL::tree<pm::AVL::traits<int, int,
pm::operations::cmp> > >'
typedef typename iterator_traits<iterator>::reference reference;
^~~~~~
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:253:64: error: no type named
'iterator' in 'struct pm::container_traits<pm::AVL::tree<pm::AVL::traits<int, int,

```

```
pm::operations::cmp> > >
```

```
typedef typename iterator_traits<const_iterator>::reference const_reference;
```

```
^~~~~~
```

```
In file included from /home/laisrast/Downloads/polymake-
```

```
3.2/include/core/polymake/internal/sparse2d.h:21,
```

```
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:25,
```

```
from /home/laisrast/Downloads/polymake-3.2/include/core-
```

```
wrappers/polymake/IncidenceMatrix.h:20,
```

```
from /home/laisrast/Downloads/polymake-
```

```
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:21:
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/tree_containers.h: In
```

```
instantiation of 'class pm::modified_tree_impl<pm::Map<int, int>,
```

```
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<int, int,
```

```
pm::operations::cmp> > >, pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >,
```

```
true>':
```

```
/home/laisrast/Downloads/polymake-
```

```
3.2/include/core/polymake/internal/tree_containers.h:71:7: required from 'class
```

```
pm::modified_tree<pm::Map<int, int>,
```

```
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<int, int,
```

```
pm::operations::cmp> > >, pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >
```

```
>'
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Map.h:43:7: required from
```

```
'class pm::Map<int, int>'
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:714:23:
```

```
required from here
```

```
/home/laisrast/Downloads/polymake-
```

```
3.2/include/core/polymake/internal/tree_containers.h:30:27: error: using-declaration for non-
```

```
member at class scope
```

```
using typename base_t::iterator;
```

```
^~~~~~
```

```
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```

```
3.2/include/core/polymake/internal/tree_containers.h:31:27: error: using-declaration for non-
```

```
member at class scope
```

```
using typename base_t::const_iterator;
```

```
^~~~~~
```

```
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```

```
3.2/include/core/polymake/internal/tree_containers.h:32:27: error: using-declaration for non-
```

```
member at class scope
```

```
using typename base_t::reverse_iterator;
```

^~~~~~

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3.2/include/core/polymake/internal/tree\_containers.h:33:27: error: using-declaration for non-member at class scope

using typename base\_t::const\_reverse\_iterator;

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/tree\_containers.h: In instantiation of 'class pm::modified\_tree<pm::Map<int, int>, polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<int, int, pm::operations::cmp> > >, pm::OperationTag<pm::BuildUnary<pm::AVL::node\_accessor> > >>':

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Map.h:43:7: required from 'class pm::Map<int, int>'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:714:23: required from here

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3.2/include/core/polymake/internal/tree\_containers.h:75:27: error: no members matching

'pm::modified\_tree<pm::Map<int, int>, polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<int, int, pm::operations::cmp> > >, pm::OperationTag<pm::BuildUnary<pm::AVL::node\_accessor> > >::base\_t {aka pm::modified\_tree\_impl<pm::Map<int, int>, polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<int, int, pm::operations::cmp> > >, pm::OperationTag<pm::BuildUnary<pm::AVL::node\_accessor> > >, true>}::iterator' in 'pm::modified\_tree<pm::Map<int, int>, polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<int, int, pm::operations::cmp> > >, pm::OperationTag<pm::BuildUnary<pm::AVL::node\_accessor> > >::base\_t' {aka 'class pm::modified\_tree\_impl<pm::Map<int, int>, polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<int, int, pm::operations::cmp> > >, pm::OperationTag<pm::BuildUnary<pm::AVL::node\_accessor> > >, true>}'

using typename base\_t::iterator;

^~~~~~

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3.2/include/core/polymake/internal/tree\_containers.h:76:27: error: no members matching 'pm::modified\_tree<pm::Map<int, int>,

polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<int, int, pm::operations::cmp> > >, pm::OperationTag<pm::BuildUnary<pm::AVL::node\_accessor> > >>::base\_t {aka pm::modified\_tree\_impl<pm::Map<int, int>, polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<int, int,

```
pm::operations::cmp> > >, pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >,
true>}::const_iterator' in 'pm::modified_tree<pm::Map<int, int>,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<int, int,
pm::operations::cmp> > >, pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >
>::base_t' {aka 'class pm::modified_tree_impl<pm::Map<int, int>,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<int, int,
pm::operations::cmp> > >, pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >,
true>'}
```

```
using typename base_t::const_iterator;
```

```
^~~~~~
```

```
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```

```
3.2/include/core/polymake/internal/tree_containers.h:77:27: error: no members matching
```

```
'pm::modified_tree<pm::Map<int, int>,
```

```
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<int, int,
```

```
pm::operations::cmp> > >, pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >
```

```
>::base_t' {aka pm::modified_tree_impl<pm::Map<int, int>,
```

```
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<int, int,
```

```
pm::operations::cmp> > >, pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >,
```

```
true>}::reverse_iterator' in 'pm::modified_tree<pm::Map<int, int>,
```

```
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<int, int,
```

```
pm::operations::cmp> > >, pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >
```

```
>::base_t' {aka 'class pm::modified_tree_impl<pm::Map<int, int>,
```

```
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<int, int,
```

```
pm::operations::cmp> > >, pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >,
```

```
true>'}
```

```
using typename base_t::reverse_iterator;
```

```
^~~~~~
```

```
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```

```
3.2/include/core/polymake/internal/tree_containers.h:78:27: error: no members matching
```

```
'pm::modified_tree<pm::Map<int, int>,
```

```
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<int, int,
```

```
pm::operations::cmp> > >, pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >
```

```
>::base_t' {aka pm::modified_tree_impl<pm::Map<int, int>,
```

```
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<int, int,
```

```
pm::operations::cmp> > >, pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >,
```

```
true>}::const_reverse_iterator' in 'pm::modified_tree<pm::Map<int, int>,
```

```
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<int, int,
```

```
pm::operations::cmp> > >, pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >
```

```
>::base_t' {aka 'class pm::modified_tree_impl<pm::Map<int, int>,
```

```
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<int, int,
pm::operations::cmp> > >, pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >,
true>’}
```

```
using typename base_t::const_reverse_iterator;
```

```
^~~~~~
```

```
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```

```
3.2/include/core/polymake/internal/tree_containers.h:79:50: error: no type named ‘container’ in
‘class pm::modified_tree_impl<pm::Map<int, int>,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<int, int,
pm::operations::cmp> > >, pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >,
true>’
```

```
typedef typename base_t::container::tree_type tree_type;
```

```
^~~~~~
```

```
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```

```
3.2/include/core/polymake/internal/tree_containers.h:82:13: error: no type named ‘iterator’ in
‘class pm::modified_tree_impl<pm::Map<int, int>,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<int, int,
pm::operations::cmp> > >, pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >,
true>’
```

```
iterator find(const Key& k)
```

```
^~~~
```

```
/home/laisrast/Downloads/polymake-
```

```
3.2/include/core/polymake/internal/tree_containers.h:87:19: error: no type named
‘const_iterator’ in ‘class pm::modified_tree_impl<pm::Map<int, int>,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<int, int,
pm::operations::cmp> > >, pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >,
true>’
```

```
const_iterator find(const Key& k) const
```

```
^~~~
```

```
/home/laisrast/Downloads/polymake-
```

```
3.2/include/core/polymake/internal/tree_containers.h:92:13: error: no type named ‘iterator’ in
‘class pm::modified_tree_impl<pm::Map<int, int>,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<int, int,
pm::operations::cmp> > >, pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >,
true>’
```

```
iterator find(const Key& k, const Comparator& comparator)
```

```
^~~~
```

```
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```

```
3.2/include/core/polymake/internal/tree_containers.h:97:19: error: no type named
```

```
'const_iterator' in 'class pm::modified_tree_impl<pm::Map<int, int>,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<int, int,
pm::operations::cmp> > >, pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >,
true>'
```

```
const_iterator find(const Key& k, const Comparator& comparator) const
```

```
^~~~~
```

```
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```

```
3.2/include/core/polymake/internal/tree_containers.h:103:13: error: no type named 'iterator' in
'class pm::modified_tree_impl<pm::Map<int, int>,
```

```
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<int, int,
pm::operations::cmp> > >, pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >,
true>'
```

```
iterator find_nearest(const Key& k, const RelOp& relop)
```

```
^~~~~~
```

```
/home/laisrast/Downloads/polymake-
```

```
3.2/include/core/polymake/internal/tree_containers.h:108:19: error: no type named
'const_iterator' in 'class pm::modified_tree_impl<pm::Map<int, int>,
```

```
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<int, int,
pm::operations::cmp> > >, pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >,
true>'
```

```
const_iterator find_nearest(const Key& k, const RelOp& relop) const
```

```
^~~~~~
```

```
/home/laisrast/Downloads/polymake-
```

```
3.2/include/core/polymake/internal/tree_containers.h:113:13: error: no type named 'iterator' in
'class pm::modified_tree_impl<pm::Map<int, int>,
```

```
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<int, int,
pm::operations::cmp> > >, pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >,
true>'
```

```
iterator find_nearest(const Key& k, const RelOp& relop, const Comparator& comparator)
```

```
^~~~~~
```

```
/home/laisrast/Downloads/polymake-
```

```
3.2/include/core/polymake/internal/tree_containers.h:118:19: error: no type named
'const_iterator' in 'class pm::modified_tree_impl<pm::Map<int, int>,
```

```
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<int, int,
pm::operations::cmp> > >, pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >,
true>'
```

```
const_iterator find_nearest(const Key& k, const RelOp& relop, const Comparator&
comparator) const
```

```
^~~~~~
```

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3.2/include/core/polymake/internal/tree\_containers.h:172:13: error: no type named 'iterator' in  
'class pm::modified\_tree\_impl<pm::Map<int, int>,'  
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<int, int,  
pm::operations::cmp> > >, pm::OperationTag<pm::BuildUnary<pm::AVL::node\_accessor> > >,'  
true>'

iterator toggle(const Key& k)

^~~~~~

In file included from /home/laisrast/Downloads/polymake-3.2/include/core-  
wrappers/polymake/Map.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:22,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:28,

from /home/laisrast/Downloads/polymake-3.2/include/core-  
wrappers/polymake/IncidenceMatrix.h:20,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:21:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Map.h: In instantiation of  
'class pm::Map<int, int>':

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:714:23:  
required from here

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Map.h:62:68: error: static  
assertion failed: keys must have a total ordering  
static\_assert(!std::is\_same<Comparator, operations::cmp>::value || is\_ordered<K>::value,  
"keys must have a total ordering");

~~~~~^~~~~~

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/operations.h:21,

from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/comparators\_ops.h:25,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In  
instantiation of 'struct

pm::container\_category\_traits<pm::AVL::tree<pm::AVL::traits<pm::Array<int>, pm::nothing,

```

pm::operations::cmp> >, false>':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:719:8:
required from 'struct
pm::default_container_traits<pm::AVL::tree<pm::AVL::traits<pm::Array<int>, pm::nothing,
pm::operations::cmp> >, false>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:722:8:
required from 'struct pm::container_traits<pm::AVL::tree<pm::AVL::traits<pm::Array<int>,
pm::nothing, pm::operations::cmp> > >'
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:235:7: required from 'class
pm::modified_container_typebase<pm::Set<pm::Array<int> >,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<pm::Array<int>,
pm::nothing, pm::operations::cmp> > >,
pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > > >'
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/tree_containers.h:26:7: required from 'class
pm::modified_tree_impl<pm::Set<pm::Array<int> >,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<pm::Array<int>,
pm::nothing, pm::operations::cmp> > >,
pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >, true>'
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/tree_containers.h:71:7: required from 'class
pm::modified_tree<pm::Set<pm::Array<int> >,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<pm::Array<int>,
pm::nothing, pm::operations::cmp> > >,
pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Set.h:584:7: required from
'class pm::Set<pm::Array<int> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:721:21:
required from here
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:657:86:
error: invalid use of incomplete type 'struct
pm::iterator_traits<pm::AVL::tree_iterator<pm::AVL::it_traits<pm::Array<int>, pm::nothing,
pm::operations::cmp>, (pm::AVL::link_index)1> >'
typedef typename iterator_traits<typename Container::iterator>::iterator_category category;
^~~~~~
In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations.h:21,
from /home/laisrast/Downloads/polymake-

```

```

3.2/include/core/polymake/internal/comparators_ops.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:
note: declaration of 'struct
pm::iterator_traits<pm::AVL::tree_iterator<pm::AVL::it_traits<pm::Array<int>, pm::nothing,
pm::operations::cmp>, (pm::AVL::link_index)1> >'
struct iterator_traits
^~~~~~

```

```

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/SelectedSubset.h:21,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:22,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h: In instantiation of 'class
pm::modified_container_typebase<pm::Set<pm::Array<int> >,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<pm::Array<int>,
pm::nothing, pm::operations::cmp> > >,
pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > > >':
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/tree_containers.h:26:7: required from 'class
pm::modified_tree_impl<pm::Set<pm::Array<int> >,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<pm::Array<int>,
pm::nothing, pm::operations::cmp> > >,
pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >, true>'
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/tree_containers.h:71:7: required from 'class
pm::modified_tree<pm::Set<pm::Array<int> >,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<pm::Array<int>,
pm::nothing, pm::operations::cmp> > >,

```

```

pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > > >
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Set.h:584:7: required from
'class pm::Set<pm::Array<int> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:721:21:
required from here
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:235:7: error: no type named 'iterator'
in 'struct pm::container_traits<pm::AVL::tree<pm::AVL::traits<pm::Array<int>, pm::nothing,
pm::operations::cmp> > >'
needed_features;
^~~~~~

/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:238:7: error: no type named 'iterator'
in 'struct pm::container_traits<pm::AVL::tree<pm::AVL::traits<pm::Array<int>, pm::nothing,
pm::operations::cmp> > >'
iterator;
^~~~~~

/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:241:7: error: no type named 'iterator'
in 'struct pm::container_traits<pm::AVL::tree<pm::AVL::traits<pm::Array<int>, pm::nothing,
pm::operations::cmp> > >'
const_iterator;
^~~~~~

/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:251:59: error: no type named
'iterator' in 'struct pm::container_traits<pm::AVL::tree<pm::AVL::traits<pm::Array<int>,
pm::nothing, pm::operations::cmp> > >'
typedef typename iterator_traits<iterator>::value_type value_type;
^~~~~~

/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:252:58: error: no type named
'iterator' in 'struct pm::container_traits<pm::AVL::tree<pm::AVL::traits<pm::Array<int>,
pm::nothing, pm::operations::cmp> > >'
typedef typename iterator_traits<iterator>::reference reference;
^~~~~~

/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:253:64: error: no type named
'iterator' in 'struct pm::container_traits<pm::AVL::tree<pm::AVL::traits<pm::Array<int>,
pm::nothing, pm::operations::cmp> > >'

```

```
typedef typename iterator_traits<const_iterator>::reference const_reference;
```

```
^~~~~~
```

```
In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/sparse2d.h:21,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core-
wrappers/polymake/IncidenceMatrix.h:20,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:21:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/tree_containers.h: In
instantiation of 'class pm::modified_tree_impl<pm::Set<pm::Array<int> >,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<pm::Array<int>,
pm::nothing, pm::operations::cmp> > >,
pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >, true>':
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/tree_containers.h:71:7: required from 'class
pm::modified_tree<pm::Set<pm::Array<int> >,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<pm::Array<int>,
pm::nothing, pm::operations::cmp> > >,
pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Set.h:584:7: required from
'class pm::Set<pm::Array<int> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:721:21:
required from here
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/tree_containers.h:30:27: error: using-declaration for non-
member at class scope
using typename base_t::iterator;
```

```
^~~~~~
```

```
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/tree_containers.h:31:27: error: using-declaration for non-
member at class scope
using typename base_t::const_iterator;
```

```
^~~~~~
```

```
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/tree_containers.h:32:27: error: using-declaration for non-
member at class scope
using typename base_t::reverse_iterator;
```

```
^~~~~~
```

/home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/tree\_containers.h:33:27: error: using-declaration for non-member at class scope

using typename base\_t::const\_reverse\_iterator;

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/tree\_containers.h: In instantiation of 'class pm::modified\_tree<pm::Set<pm::Array<int> >,

polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<pm::Array<int>, pm::nothing, pm::operations::cmp> > >,

pm::OperationTag<pm::BuildUnary<pm::AVL::node\_accessor> > > >':

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Set.h:584:7: required from 'class pm::Set<pm::Array<int> >'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:721:21: required from here

/home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/tree\_containers.h:75:27: error: no members matching 'pm::modified\_tree<pm::Set<pm::Array<int> >,

polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<pm::Array<int>, pm::nothing, pm::operations::cmp> > >,

pm::OperationTag<pm::BuildUnary<pm::AVL::node\_accessor> > > >::base\_t {aka pm::modified\_tree\_impl<pm::Set<pm::Array<int> >,

polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<pm::Array<int>, pm::nothing, pm::operations::cmp> > >,

pm::OperationTag<pm::BuildUnary<pm::AVL::node\_accessor> > >, true>}::iterator' in 'pm::modified\_tree<pm::Set<pm::Array<int> >,

polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<pm::Array<int>, pm::nothing, pm::operations::cmp> > >,

pm::OperationTag<pm::BuildUnary<pm::AVL::node\_accessor> > > >::base\_t' {aka 'class pm::modified\_tree\_impl<pm::Set<pm::Array<int> >,

polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<pm::Array<int>, pm::nothing, pm::operations::cmp> > >,

pm::OperationTag<pm::BuildUnary<pm::AVL::node\_accessor> > >, true>}'

using typename base\_t::iterator;

^~~~~~

/home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/tree\_containers.h:76:27: error: no members matching 'pm::modified\_tree<pm::Set<pm::Array<int> >,

polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<pm::Array<int>,

pm::nothing, pm::operations::cmp> > >,

```

pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > > >::base_t {aka
pm::modified_tree_impl<pm::Set<pm::Array<int> >,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<pm::Array<int>,
pm::nothing, pm::operations::cmp> > >,
pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >, true>}::const_iterator' in
'pm::modified_tree<pm::Set<pm::Array<int> >,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<pm::Array<int>,
pm::nothing, pm::operations::cmp> > >,
pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >, true>}
using typename base_t::const_iterator;

```

^~~~~~

/home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/tree\_containers.h:77:27: error: no members matching

```

'pm::modified_tree<pm::Set<pm::Array<int> >,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<pm::Array<int>,
pm::nothing, pm::operations::cmp> > >,
pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > > >::base_t {aka
pm::modified_tree_impl<pm::Set<pm::Array<int> >,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<pm::Array<int>,
pm::nothing, pm::operations::cmp> > >,
pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >, true>}::reverse_iterator' in
'pm::modified_tree<pm::Set<pm::Array<int> >,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<pm::Array<int>,
pm::nothing, pm::operations::cmp> > >,
pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > > >::base_t {aka 'class
pm::modified_tree_impl<pm::Set<pm::Array<int> >,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<pm::Array<int>,
pm::nothing, pm::operations::cmp> > >,
pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >, true>}
using typename base_t::reverse_iterator;

```

^~~~~~

/home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/tree\_containers.h:78:27: error: no members matching

```

'pm::modified_tree<pm::Set<pm::Array<int> >,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<pm::Array<int>,

```

```

pm::nothing, pm::operations::cmp> > >,
pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > > >::base_t {aka
pm::modified_tree_impl<pm::Set<pm::Array<int> >,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<pm::Array<int>,
pm::nothing, pm::operations::cmp> > >,
pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > > >,
true>}::const_reverse_iterator' in 'pm::modified_tree<pm::Set<pm::Array<int> >,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<pm::Array<int>,
pm::nothing, pm::operations::cmp> > >,
pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > > >, true>}'
using typename base_t::const_reverse_iterator;

```

^~~~~~

/home/laisrast/Downloads/polymake-

```

3.2/include/core/polymake/internal/tree_containers.h:79:50: error: no type named 'container' in
'class pm::modified_tree_impl<pm::Set<pm::Array<int> >,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<pm::Array<int>,
pm::nothing, pm::operations::cmp> > >,
pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > > >, true>'
typedef typename base_t::container::tree_type tree_type;

```

^~~~~~

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```

3.2/include/core/polymake/internal/tree_containers.h:82:13: error: no type named 'iterator' in
'class pm::modified_tree_impl<pm::Set<pm::Array<int> >,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<pm::Array<int>,
pm::nothing, pm::operations::cmp> > >,
pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > > >, true>'
iterator find(const Key& k)

```

^~~~

/home/laisrast/Downloads/polymake-

```

3.2/include/core/polymake/internal/tree_containers.h:87:19: error: no type named
'const_iterator' in 'class pm::modified_tree_impl<pm::Set<pm::Array<int> >,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<pm::Array<int>,
pm::nothing, pm::operations::cmp> > >,
pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > > >, true>'
const_iterator find(const Key& k) const

```

^~~~

/home/laisrast/Downloads/polymake-

```
3.2/include/core/polymake/internal/tree_containers.h:92:13: error: no type named 'iterator' in
'class pm::modified_tree_impl<pm::Set<pm::Array<int> >,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<pm::Array<int>,
pm::nothing, pm::operations::cmp> > >,
pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >, true>'
iterator find(const Key& k, const Comparator& comparator)
```

^~~~

/home/laisrast/Downloads/polymake-

```
3.2/include/core/polymake/internal/tree_containers.h:97:19: error: no type named
'const_iterator' in 'class pm::modified_tree_impl<pm::Set<pm::Array<int> >,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<pm::Array<int>,
pm::nothing, pm::operations::cmp> > >,
pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >, true>'
const_iterator find(const Key& k, const Comparator& comparator) const
```

^~~~

/home/laisrast/Downloads/polymake-

```
3.2/include/core/polymake/internal/tree_containers.h:103:13: error: no type named 'iterator' in
'class pm::modified_tree_impl<pm::Set<pm::Array<int> >,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<pm::Array<int>,
pm::nothing, pm::operations::cmp> > >,
pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >, true>'
iterator find_nearest(const Key& k, const RelOp& relop)
```

^~~~~~

/home/laisrast/Downloads/polymake-

```
3.2/include/core/polymake/internal/tree_containers.h:108:19: error: no type named
'const_iterator' in 'class pm::modified_tree_impl<pm::Set<pm::Array<int> >,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<pm::Array<int>,
pm::nothing, pm::operations::cmp> > >,
pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >, true>'
const_iterator find_nearest(const Key& k, const RelOp& relop) const
```

^~~~~~

/home/laisrast/Downloads/polymake-

```
3.2/include/core/polymake/internal/tree_containers.h:113:13: error: no type named 'iterator' in
'class pm::modified_tree_impl<pm::Set<pm::Array<int> >,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<pm::Array<int>,
pm::nothing, pm::operations::cmp> > >,
pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >, true>'
```

```
iterator find_nearest(const Key& k, const RelOp& relop, const Comparator& comparator)
```

```
^~~~~~
```

```
/home/laisrast/Downloads/polymake-
```

```
3.2/include/core/polymake/internal/tree_containers.h:118:19: error: no type named
'const_iterator' in 'class pm::modified_tree_impl<pm::Set<pm::Array<int> >,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<pm::Array<int>,
pm::nothing, pm::operations::cmp> > >,
pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >, true>'
const_iterator find_nearest(const Key& k, const RelOp& relop, const Comparator&
comparator) const
```

```
^~~~~~
```

```
/home/laisrast/Downloads/polymake-
```

```
3.2/include/core/polymake/internal/tree_containers.h:172:13: error: no type named 'iterator' in
'class pm::modified_tree_impl<pm::Set<pm::Array<int> >,
polymake::mlist<pm::ContainerTag<pm::AVL::tree<pm::AVL::traits<pm::Array<int>,
pm::nothing, pm::operations::cmp> > >,
pm::OperationTag<pm::BuildUnary<pm::AVL::node_accessor> > >, true>'
iterator toggle(const Key& k)
```

```
^~~~~~
```

```
In file included from /home/laisrast/Downloads/polymake-
```

```
3.2/include/core/polymake/internal/sparse.h:20,
```

```
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
```

```
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
```

```
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
```

```
from /home/laisrast/Downloads/polymake-
```

```
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h: In instantiation of
'class pm::GenericSet<pm::Set<pm::Array<int> >, pm::Array<int>, pm::operations::cmp>':
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Set.h:161:7: required from
'class pm::GenericMutableSet<pm::Set<pm::Array<int> >, pm::Array<int>,
pm::operations::cmp>'
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Set.h:584:7: required from
'class pm::Set<pm::Array<int> >'
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:721:21:
required from here
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:69:68: error: static
assertion failed: elements must have a total ordering
```

```
static_assert(!std::is_same<Comparator, operations::cmp>::value || is_ordered<E>::value,
"elements must have a total ordering");
```

~~~~~^~~~~~

In file included from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:28,  
from /home/laisrast/Downloads/polymake-3.2/include/core-wrappers/polymake/IncidenceMatrix.h:20,  
from /home/laisrast/Downloads/polymake-3.2/bundled/singular/apps/common/src/perl/Matrix.cc:21:  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h: In function  
'pm::Array<E> pm::permutation\_subgroup\_generators(const pm::Array<E>&, const  
SubdomainType&)':  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:723:38: error:  
'class pm::Set<pm::Array<int> >' has no member named 'size'; did you mean 'resize'?  
return Array<Permutation>(subgens.size(), entire(subgens));  
^~~~

resize

In file included from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/operations.h:21,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/comparators\_ops.h:25,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,  
from /home/laisrast/Downloads/polymake-3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In  
instantiation of 'struct pm::container\_category\_traits<pm::Set<pm::Array<int> >, false>':  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:719:8:  
required from 'struct pm::default\_container\_traits<pm::Set<pm::Array<int> >, false>'  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:722:8:  
required from 'struct pm::container\_traits<pm::Set<pm::Array<int> > >'  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1099:94:  
required from 'const bool pm::default\_check\_container\_feature<pm::Set<pm::Array<int> >,  
pm::end\_sensitive>::value'  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type\_manip.h:558:22:  
required from 'const bool pm::list\_search<pm::Set<pm::Array<int> >, pm::end\_sensitive,  
pm::check\_container\_feature>::value'  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type\_manip.h:562:64:

```

required from 'struct pm::list_search<pm::Set<pm::Array<int> >, pm::end_sensitive,
pm::check_container_feature>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:633:8: [
skipping 7 instantiation contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:719:8:
required from 'struct
pm::default_container_traits<pm::feature_collector<pm::Set<pm::Array<int> >,
pm::end_sensitive>, false>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:722:8:
required from 'struct pm::container_traits<pm::feature_collector<pm::Set<pm::Array<int> >,
pm::end_sensitive> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1252:8:
required from 'struct pm::ensure_features<pm::Set<pm::Array<int> >, pm::end_sensitive>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1728:8:
required from 'struct pm::Entire<pm::Set<pm::Array<int> > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1739:1:
required by substitution of 'template<class Container> typename pm::Entire<typename
pm::Concrete<T>::type>::const_iterator pm::entire(const Container&) [with Container =
pm::Set<pm::Array<int> >]'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:723:60:
required from here
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:657:86:
error: no type named 'iterator' in 'class pm::Set<pm::Array<int> >'
typedef typename iterator_traits<typename Container::iterator>::iterator_category category;
^~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In
instantiation of 'const bool pm::default_check_container_feature<pm::Set<pm::Array<int> >,
pm::end_sensitive>::value':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:558:22:
required from 'const bool pm::list_search<pm::Set<pm::Array<int> >, pm::end_sensitive,
pm::check_container_feature>::value'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:562:64:
required from 'struct pm::list_search<pm::Set<pm::Array<int> >, pm::end_sensitive,
pm::check_container_feature>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:633:8:
required from 'struct pm::list_search_all<pm::Set<pm::Array<int> >, pm::end_sensitive,
pm::check_container_feature>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1206:92:
required from 'struct pm::enforce_lacking_features<pm::Set<pm::Array<int> >,

```

```

pm::end_sensitive>
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1218:7:
required from 'class pm::feature_collector<pm::Set<pm::Array<int> >, pm::end_sensitive>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:611:1: [
skipping 4 instantiation contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:719:8:
required from 'struct
pm::default_container_traits<pm::feature_collector<pm::Set<pm::Array<int> >,
pm::end_sensitive>, false>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:722:8:
required from 'struct pm::container_traits<pm::feature_collector<pm::Set<pm::Array<int> >,
pm::end_sensitive> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1252:8:
required from 'struct pm::ensure_features<pm::Set<pm::Array<int> >, pm::end_sensitive>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1728:8:
required from 'struct pm::Entire<pm::Set<pm::Array<int> > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1739:1:
required by substitution of 'template<class Container> typename pm::Entire<typename
pm::Concrete<T>::type>::const_iterator pm::entire(const Container&) [with Container =
pm::Set<pm::Array<int> >]'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:723:60:
required from here
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1099:94:
error: no type named 'iterator' in 'struct pm::container_traits<pm::Set<pm::Array<int> > >'
check_iterator_feature<typename container_traits<Container>::iterator, Feature>::value &&
~~~~~
~~~~~^~
!list_search_all<Feature, typename
enforce_feature_helper<Container>::must_enforce_features, absorbing_feature>::value;
~~~~~
~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In
instantiation of 'struct
pm::container_category_traits<pm::feature_collector<pm::Set<pm::Array<int> >,
pm::end_sensitive>, false>':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:719:8:
required from 'struct
pm::default_container_traits<pm::feature_collector<pm::Set<pm::Array<int> >,
pm::end_sensitive>, false>'

```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:722:8:  
required from 'struct pm::container\_traits<pm::feature\_collector<pm::Set<pm::Array<int> >,  
pm::end\_sensitive> >'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1252:8:  
required from 'struct pm::ensure\_features<pm::Set<pm::Array<int> >, pm::end\_sensitive>'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1728:8:  
required from 'struct pm::Entire<pm::Set<pm::Array<int> > >'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1739:1:  
required by substitution of 'template<class Container> typename pm::Entire<typename  
pm::Concrete<T>::type>::const\_iterator pm::entire(const Container&) [with Container =  
pm::Set<pm::Array<int> >]'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:723:60:  
required from here

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:657:86:  
error: no type named 'iterator' in 'class pm::feature\_collector<pm::Set<pm::Array<int> >,  
pm::end\_sensitive>'

typedef typename iterator\_traits<typename Container::iterator>::iterator\_category category;  
^~~~~~

In file included from /home/laisrast/Downloads/polymake-  
3.2/include/core/polymake/IncidenceMatrix.h:28,

from /home/laisrast/Downloads/polymake-3.2/include/core-  
wrappers/polymake/IncidenceMatrix.h:20,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:21:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:723:60: error:  
no matching function for call to 'entire(pm::Set<pm::Array<int> >&)'

return Array<Permutation>(subgens.size(), entire(subgens));

^

In file included from /home/laisrast/Downloads/polymake-  
3.2/include/core/polymake/internal/operations.h:21,

from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/comparators\_ops.h:25,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1732:1:  
note: candidate: 'template<class Container> typename pm::Entire<typename  
pm::Concrete<T>::type>::iterator pm::entire(Container&)  
entire(Container& c)  
^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1732:1:  
note: template argument deduction/substitution failed:  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In  
substitution of 'template<class Container> typename pm::Entire<typename  
pm::Concrete<T>::type>::iterator pm::entire(Container&) [with Container =  
pm::Set<pm::Array<int> >]':  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/permutations.h:723:60:  
required from here

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1732:1:  
error: no type named 'iterator' in 'struct pm::Entire<pm::Set<pm::Array<int> > >'  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1739:1:  
note: candidate: 'template<class Container> typename pm::Entire<typename  
pm::Concrete<T>::type>::const\_iterator pm::entire(const Container&)  
entire(const Container& c)  
^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1739:1:  
note: substitution of deduced template arguments resulted in errors seen above  
In file included from /home/laisrast/Downloads/polymake-3.2/include/core-  
wrappers/polymake/IncidenceMatrix.h:20,  
from /home/laisrast/Downloads/polymake-  
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:21:  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h: At global  
scope:  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:304:52:  
error: 'append\_lines\_start' function uses 'auto' type specifier without trailing return type  
auto append\_lines\_start(sparse2d::rowwise, int n)  
^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:304:52:  
note: deduced return type only available with -std=c++14 or -std=gnu++14  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:311:55:  
error: 'append\_lines\_start' function uses 'auto' type specifier without trailing return type  
auto append\_lines\_start(sparse2d::columnwise, int n)  
^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:311:55:

note: deduced return type only available with -std=c++14 or -std=gnu++14

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:321:75:

error: 'append\_lines\_start' function uses 'auto' type specifier without trailing return type

const TContainer& c, TMoreSources&&... more\_src)

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:321:75:

note: deduced return type only available with -std=c++14 or -std=gnu++14

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:329:75:

error: 'append\_lines\_start' function uses 'auto' type specifier without trailing return type

const TContainer& c, TMoreSources&&... more\_src)

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:329:75:

note: deduced return type only available with -std=c++14 or -std=gnu++14

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:335:123:

error: 'append\_lines\_start' function uses 'auto' type specifier without trailing return type

auto append\_lines\_start(my\_restriction how, int n, const GenericIncidenceMatrix<TMatrix>&  
m, TMoreSources&&... more\_src)

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:335:123:

note: deduced return type only available with -std=c++14 or -std=gnu++14

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:343:75:

error: 'append\_lines\_start' function uses 'auto' type specifier without trailing return type

const TContainer& c, TMoreSources&&... more\_src)

^

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:343:75:

note: deduced return type only available with -std=c++14 or -std=gnu++14

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h: In member  
function 'void pm::RestrictedIncidenceMatrix<restriction>::append\_lines\_from(THow, Iterator&  
const pm::GenericIncidenceMatrix<TMatrix>&):

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:374:38:

error: 'lines' is not a member of 'pm::sparse2d'

for (auto src=entire(sparse2d::lines(m.top(), how)); !src.at\_end(); ++src)

^~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:374:38:

note: suggested alternative: 'line'

for (auto src=entire(sparse2d::lines(m.top(), how)); !src.at\_end(); ++src)

^~~~~

line

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h: In member

```

function 'typename std::enable_if<pm::isomorphic_to_container_of<TContainer, int,
pm::allow_conversion>::value>::type
pm::RestrictedIncidenceMatrix<restriction>::append_lines_from(pm::RestrictedIncidenceMatrix<restriction>::cross_restriction, int&, const TContainer&)':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:391:31:
error: 'lines' is not a member of 'pm::sparse2d'
append_across(sparse2d::lines(*this, my_restriction()), c, r);
^~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:391:31:
note: suggested alternative: 'line'
append_across(sparse2d::lines(*this, my_restriction()), c, r);
^~~~~

line

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/SelectedSubset.h:21,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:22,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h: In instantiation of 'class
pm::modified_container_typebase<pm::Rows<pm::RestrictedIncidenceMatrix<> >,
polymake::mlist<pm::ContainerTag<pm::sparse2d::ruler<pm::AVL::tree<pm::sparse2d::traits<p
m::sparse2d::traits_base<pm::nothing, true, false, (pm::sparse2d::restriction_kind)2>, false,
(pm::sparse2d::restriction_kind)2> >, void*> >,
pm::OperationTag<std::pair<pm::operations::masquerade<pm::incidence_line>,
pm::sparse2d::line_index_accessor<void> > >,
pm::HiddenTag<pm::RestrictedIncidenceMatrix<(pm::sparse2d::restriction_kind)2> > > >':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse2d.h:1105:7:
required from 'class pm::sparse2d::Rows<pm::RestrictedIncidenceMatrix<>, pm::nothing,
false, (pm::sparse2d::restriction_kind)2, pm::operations::masquerade<pm::incidence_line> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:497:7:
required from 'class pm::Rows<pm::RestrictedIncidenceMatrix<> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:611:1:
required by substitution of 'template<class T2> static typename pm::size_discriminant<(2 -
std::is_same<typename T2::container_category, void>::value)>::type
pm::has_container_category_impl<pm::Rows<pm::RestrictedIncidenceMatrix<> > >::Test<T2>

```

```

(const T2*, typename T2::container_category*) [with T2 =
pm::Rows<pm::RestrictedIncidenceMatrix<> >]
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:348:51:
required from 'const bool
pm::derivation::test_impl<pm::has_container_category_impl<pm::Rows<pm::RestrictedIncidenceMatrix<> > > >::value'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:352:11:
required from 'struct
pm::derivation::test<pm::has_container_category_impl<pm::Rows<pm::RestrictedIncidenceMatrix<> > > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:611:1:
required from 'struct
pm::has_container_category<pm::Rows<pm::RestrictedIncidenceMatrix<> > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:719:8:
required from 'struct pm::default_container_traits<pm::Rows<pm::RestrictedIncidenceMatrix<> >, false>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:722:8:
required from 'struct pm::container_traits<pm::Rows<pm::RestrictedIncidenceMatrix<> > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:171:7:
required from 'class pm::RestrictedIncidenceMatrix<>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:703:56:
required from here
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:251:59: error: invalid use of
incomplete type 'struct
pm::iterator_traits<pm::unary_transform_iterator<pm::ptr_wrapper<pm::AVL::tree<pm::sparse
2d::traits<pm::sparse2d::traits_base<pm::nothing, true, false,
(pm::sparse2d::restriction_kind)2>, false, (pm::sparse2d::restriction_kind)2> >, false>,
std::pair<pm::operations::masquerade<pm::incidence_line>,
pm::sparse2d::line_index_accessor<void> > > >'
typedef typename iterator_traits<iterator>::value_type value_type;
^~~~~~
In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations.h:21,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,

```

```

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:
note: declaration of 'struct
pm::iterator_traits<pm::unary_transform_iterator<pm::ptr_wrapper<pm::AVL::tree<pm::sparse
2d::traits<pm::sparse2d::traits_base<pm::nothing, true, false,
(pm::sparse2d::restriction_kind)2>, false, (pm::sparse2d::restriction_kind)2> >, false>,
std::pair<pm::operations::masquerade<pm::incidence_line>,
pm::sparse2d::line_index_accessor<void> > > >'
struct iterator_traits
^~~~~~

```

```

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/SelectedSubset.h:21,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:22,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:252:58: error: invalid use of
incomplete type 'struct
pm::iterator_traits<pm::unary_transform_iterator<pm::ptr_wrapper<pm::AVL::tree<pm::sparse
2d::traits<pm::sparse2d::traits_base<pm::nothing, true, false,
(pm::sparse2d::restriction_kind)2>, false, (pm::sparse2d::restriction_kind)2> >, false>,
std::pair<pm::operations::masquerade<pm::incidence_line>,
pm::sparse2d::line_index_accessor<void> > > >'
typedef typename iterator_traits<iterator>::reference reference;
^~~~~~

```

```

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations.h:21,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,

```

```

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:
note: declaration of 'struct
pm::iterator_traits<pm::unary_transform_iterator<pm::ptr_wrapper<pm::AVL::tree<pm::sparse
2d::traits<pm::sparse2d::traits_base<pm::nothing, true, false,
(pm::sparse2d::restriction_kind)2>, false, (pm::sparse2d::restriction_kind)2> >, false>,
std::pair<pm::operations::masquerade<pm::incidence_line>,
pm::sparse2d::line_index_accessor<void> > > >'
struct iterator_traits
^~~~~~

```

```

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/SelectedSubset.h:21,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:22,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:253:64: error: invalid use of
incomplete type 'struct
pm::iterator_traits<pm::unary_transform_iterator<pm::ptr_wrapper<const
pm::AVL::tree<pm::sparse2d::traits<pm::sparse2d::traits_base<pm::nothing, true, false,
(pm::sparse2d::restriction_kind)2>, false, (pm::sparse2d::restriction_kind)2> >, false>,
std::pair<pm::operations::masquerade<pm::incidence_line>,
pm::sparse2d::line_index_accessor<void> > > >'
typedef typename iterator_traits<const_iterator>::reference const_reference;
^~~~~~

```

```

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations.h:21,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,

```

```

from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:
note: declaration of 'struct
pm::iterator_traits<pm::unary_transform_iterator<pm::ptr_wrapper<const
pm::AVL::tree<pm::sparse2d::traits<pm::sparse2d::traits_base<pm::nothing, true, false,
(pm::sparse2d::restriction_kind)2>, false, (pm::sparse2d::restriction_kind)2> >, false>,
std::pair<pm::operations::masquerade<pm::incidence_line>,
pm::sparse2d::line_index_accessor<void> > > >'
struct iterator_traits
^~~~~~

```

```

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/SelectedSubset.h:21,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:22,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h: In instantiation of 'class
pm::modified_container_typebase<pm::Cols<pm::RestrictedIncidenceMatrix<> >,
polymake::mlist<pm::ContainerTag<pm::sparse2d::ruler<pm::AVL::tree<pm::sparse2d::traits<p
m::sparse2d::traits_base<pm::nothing, false, false, (pm::sparse2d::restriction_kind)2>, false,
(pm::sparse2d::restriction_kind)2> >, void*> >,
pm::OperationTag<std::pair<pm::operations::masquerade<pm::incidence_line>,
pm::sparse2d::line_index_accessor<void> > >,
pm::HiddenTag<pm::RestrictedIncidenceMatrix<(pm::sparse2d::restriction_kind)2> > > >':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse2d.h:1126:7:
required from 'class pm::sparse2d::Cols<pm::RestrictedIncidenceMatrix<>, pm::nothing, false,
(pm::sparse2d::restriction_kind)2, pm::operations::masquerade<pm::incidence_line> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:508:7:
required from 'class pm::Cols<pm::RestrictedIncidenceMatrix<> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:611:1:
required by substitution of 'template<class T2> static typename pm::size_discriminant<(2 -
std::is_same<typename T2::container_category, void>::value)>::type
pm::has_container_category_impl<pm::Cols<pm::RestrictedIncidenceMatrix<> > >::Test<T2>
(const T2*, typename T2::container_category*) [with T2 =
pm::Cols<pm::RestrictedIncidenceMatrix<> >]'

```

```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:348:51:
required from 'const bool
pm::derivation::test_impl<pm::has_container_category_impl<pm::Cols<pm::RestrictedIncidenceMatrix<> > > >::value'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:352:11:
required from 'struct
pm::derivation::test<pm::has_container_category_impl<pm::Cols<pm::RestrictedIncidenceMatrix<> > > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:611:1:
required from 'struct pm::has_container_category<pm::Cols<pm::RestrictedIncidenceMatrix<> > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:719:8:
required from 'struct pm::default_container_traits<pm::Cols<pm::RestrictedIncidenceMatrix<> >, false>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:722:8:
required from 'struct pm::container_traits<pm::Cols<pm::RestrictedIncidenceMatrix<> > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:171:7:
required from 'class pm::RestrictedIncidenceMatrix<>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:703:56:
required from here
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:251:59: error: invalid use of
incomplete type 'struct
pm::iterator_traits<pm::unary_transform_iterator<pm::ptr_wrapper<pm::AVL::tree<pm::sparse2d::traits<pm::sparse2d::traits_base<pm::nothing, false, false,
(pm::sparse2d::restriction_kind)2>, false, (pm::sparse2d::restriction_kind)2> >, false>,
std::pair<pm::operations::masquerade<pm::incidence_line>,
pm::sparse2d::line_index_accessor<void> > > >'
typedef typename iterator_traits<iterator>::value_type value_type;
^~~~~~
In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations.h:21,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,

```

```

from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:
note: declaration of 'struct
pm::iterator_traits<pm::unary_transform_iterator<pm::ptr_wrapper<pm::AVL::tree<pm::sparse
2d::traits<pm::sparse2d::traits_base<pm::nothing, false, false,
(pm::sparse2d::restriction_kind)2>, false, (pm::sparse2d::restriction_kind)2> >, false>,
std::pair<pm::operations::masquerade<pm::incidence_line>,
pm::sparse2d::line_index_accessor<void> > > >'
struct iterator_traits
^~~~~~

```

```

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/SelectedSubset.h:21,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:22,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:252:58: error: invalid use of
incomplete type 'struct
pm::iterator_traits<pm::unary_transform_iterator<pm::ptr_wrapper<pm::AVL::tree<pm::sparse
2d::traits<pm::sparse2d::traits_base<pm::nothing, false, false,
(pm::sparse2d::restriction_kind)2>, false, (pm::sparse2d::restriction_kind)2> >, false>,
std::pair<pm::operations::masquerade<pm::incidence_line>,
pm::sparse2d::line_index_accessor<void> > > >'
typedef typename iterator_traits<iterator>::reference reference;
^~~~~~

```

```

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations.h:21,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-

```

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:

note: declaration of 'struct

```
pm::iterator_traits<pm::unary_transform_iterator<pm::ptr_wrapper<pm::AVL::tree<pm::sparse
2d::traits<pm::sparse2d::traits_base<pm::nothing, false, false,
(pm::sparse2d::restriction_kind)2>, false, (pm::sparse2d::restriction_kind)2> >, false>,
std::pair<pm::operations::masquerade<pm::incidence_line>,
pm::sparse2d::line_index_accessor<void> > > >'
struct iterator_traits
^~~~~~
```

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/SelectedSubset.h:21,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:22,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

/home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/modified\_containers.h:253:64: error: invalid use of  
incomplete type 'struct

```
pm::iterator_traits<pm::unary_transform_iterator<pm::ptr_wrapper<const
pm::AVL::tree<pm::sparse2d::traits<pm::sparse2d::traits_base<pm::nothing, false, false,
(pm::sparse2d::restriction_kind)2>, false, (pm::sparse2d::restriction_kind)2> >, false>,
std::pair<pm::operations::masquerade<pm::incidence_line>,
pm::sparse2d::line_index_accessor<void> > > >'
typedef typename iterator_traits<const_iterator>::reference const_reference;
^~~~~~
```

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/operations.h:21,

from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/comparators\_ops.h:25,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:

note: declaration of 'struct

pm::iterator\_traits<pm::unary\_transform\_iterator<pm::ptr\_wrapper<const

pm::AVL::tree<pm::sparse2d::traits<pm::sparse2d::traits\_base<pm::nothing, false, false,

(pm::sparse2d::restriction\_kind)2>, false, (pm::sparse2d::restriction\_kind)2> >, false>,

std::pair<pm::operations::masquerade<pm::incidence\_line>,

pm::sparse2d::line\_index\_accessor<void> > > >'

struct iterator\_traits

^~~~~~

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/operations.h:21,

from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/comparators\_ops.h:25,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In

instantiation of 'struct

pm::container\_category\_traits<pm::constant\_value\_container<pm::IncidenceMatrix\_base<pm::

:NonSymmetric>&>, false>':

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:719:8:

required from 'struct

pm::default\_container\_traits<pm::constant\_value\_container<pm::IncidenceMatrix\_base<pm::

NonSymmetric>&>, false>'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:722:8:

required from 'struct

pm::container\_traits<pm::constant\_value\_container<pm::IncidenceMatrix\_base<pm::NonSym

metric>&> >'

/home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/modified\_containers.h:757:7: required from 'class

pm::modified\_container\_pair\_typebase<pm::Rows<pm::IncidenceMatrix<> >,

polymake::mlist<pm::Container1Tag<pm::constant\_value\_container<pm::IncidenceMatrix\_bas

e<pm::NonSymmetric>&> >, pm::Container2Tag<pm::Series<int, true> >,

pm::OperationTag<std::pair<pm::incidence\_line\_factory<true, void>,

pm::BuildBinaryIt<pm::operations::dereference2> > >,>

```

pm::HiddenTag<std::integral_constant<bool, true> > > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:952:7:
required from 'class pm::Rows<pm::IncidenceMatrix<> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:611:1:
required by substitution of 'template<class T2> static typename pm::size_discriminant<(2 -
std::is_same<typename T2::container_category, void>::value)>::type
pm::has_container_category_impl<pm::Rows<pm::IncidenceMatrix<> > >::Test<T2>(const
T2*, typename T2::container_category*) [with T2 = pm::Rows<pm::IncidenceMatrix<> >]'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:348:51:
[skipping 2 instantiation contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:611:1:
required from 'struct pm::has_container_category<pm::Rows<pm::IncidenceMatrix<> > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:719:8:
required from 'struct pm::default_container_traits<pm::Rows<pm::IncidenceMatrix<> >, false>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:722:8:
required from 'struct pm::container_traits<pm::Rows<pm::IncidenceMatrix<> > >'
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/GenericIncidenceMatrix.h:32:7: required from 'class
pm::GenericIncidenceMatrix<pm::IncidenceMatrix<> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:601:7:
required from 'class pm::IncidenceMatrix<>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:1012:95:
required from here
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:657:86:
error: invalid use of incomplete type 'struct
pm::iterator_traits<pm::constant_value_iterator<pm::IncidenceMatrix_base<pm::NonSymmetri
c>&> >'
typedef typename iterator_traits<typename Container::iterator>::iterator_category category;
^~~~~~
In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations.h:21,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-

```

```

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:
note: declaration of 'struct
pm::iterator_traits<pm::constant_value_iterator<pm::IncidenceMatrix_base<pm::NonSymmetri
c>&> >'
struct iterator_traits
^~~~~~

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/SelectedSubset.h:21,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:22,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h: In instantiation of 'class
pm::modified_container_pair_typebase<pm::Rows<pm::IncidenceMatrix<> >,
polymake::mlist<pm::Container1Tag<pm::constant_value_container<pm::IncidenceMatrix_bas
e<pm::NonSymmetric>&> >, pm::Container2Tag<pm::Series<int, true> >,
pm::OperationTag<std::pair<pm::incidence_line_factory<true, void>,
pm::BuildBinaryIt<pm::operations::dereference2> > >,
pm::HiddenTag<std::integral_constant<bool, true> > > >':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:952:7:
required from 'class pm::Rows<pm::IncidenceMatrix<> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:611:1:
required by substitution of 'template<class T2> static typename pm::size_discriminant<(2 -
std::is_same<typename T2::container_category, void>::value)>::type
pm::has_container_category_impl<pm::Rows<pm::IncidenceMatrix<> > >::Test<T2>(const
T2*, typename T2::container_category*) [with T2 = pm::Rows<pm::IncidenceMatrix<> >]'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:348:51:
required from 'const bool
pm::derivation::test_impl<pm::has_container_category_impl<pm::Rows<pm::IncidenceMatrix<
> > >::value'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:352:11:
required from 'struct
pm::derivation::test<pm::has_container_category_impl<pm::Rows<pm::IncidenceMatrix<> > >
>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:611:1:

```

```

required from 'struct pm::has_container_category<pm::Rows<pm::IncidenceMatrix<> > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:719:8:
required from 'struct pm::default_container_traits<pm::Rows<pm::IncidenceMatrix<> >, false>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:722:8:
required from 'struct pm::container_traits<pm::Rows<pm::IncidenceMatrix<> > >'
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/GenericIncidenceMatrix.h:32:7: required from 'class
pm::GenericIncidenceMatrix<pm::IncidenceMatrix<> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:601:7:
required from 'class pm::IncidenceMatrix<>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:1012:95:
required from here
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:757:7: error: no type named 'iterator'
in 'struct
pm::container_traits<pm::constant_value_container<pm::IncidenceMatrix_base<pm::NonSym
metric>&> >'
coupler_defs;
^~~~~~
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:767:7: error: no type named 'iterator'
in 'struct
pm::container_traits<pm::constant_value_container<pm::IncidenceMatrix_base<pm::NonSym
metric>&> >'
needed_features1;
^~~~~~
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:772:7: error: no type named 'iterator'
in 'struct
pm::container_traits<pm::constant_value_container<pm::IncidenceMatrix_base<pm::NonSym
metric>&> >'
needed_features2;
^~~~~~
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:776:7: error: no type named 'iterator'
in 'struct
pm::container_traits<pm::constant_value_container<pm::IncidenceMatrix_base<pm::NonSym
metric>&> >'
it_pair;

```

^~~~~~

/home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/modified\_containers.h:780:7: error: no type named 'iterator' in 'struct

pm::container\_traits<pm::constant\_value\_container<pm::IncidenceMatrix\_base<pm::NonSymmetric>&> >'

const\_it\_pair;

^~~~~~

/home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/modified\_containers.h:797:59: error: no type named 'iterator' in 'struct

pm::container\_traits<pm::constant\_value\_container<pm::IncidenceMatrix\_base<pm::NonSymmetric>&> >'

typedef typename iterator\_traits<iterator>::value\_type value\_type;

^~~~~~

/home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/modified\_containers.h:798:58: error: no type named 'iterator' in 'struct

pm::container\_traits<pm::constant\_value\_container<pm::IncidenceMatrix\_base<pm::NonSymmetric>&> >'

typedef typename iterator\_traits<iterator>::reference reference;

^~~~~~

/home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/modified\_containers.h:799:64: error: no type named 'iterator' in 'struct

pm::container\_traits<pm::constant\_value\_container<pm::IncidenceMatrix\_base<pm::NonSymmetric>&> >'

typedef typename iterator\_traits<const\_iterator>::reference const\_reference;

^~~~~~

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/operations.h:21,

from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/comparators\_ops.h:25,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,

from /home/laisrast/Downloads/polymake-

```

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In
instantiation of 'struct pm::container_category_traits<pm::Rows<pm::IncidenceMatrix<> >,
false>':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:719:8:
required from 'struct pm::default_container_traits<pm::Rows<pm::IncidenceMatrix<> >, false>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:722:8:
required from 'struct pm::container_traits<pm::Rows<pm::IncidenceMatrix<> > >'
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/GenericIncidenceMatrix.h:32:7: required from 'class
pm::GenericIncidenceMatrix<pm::IncidenceMatrix<> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:601:7:
required from 'class pm::IncidenceMatrix<>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:1012:95:
required from here
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:657:86:
error: no type named 'iterator' in 'class pm::Rows<pm::IncidenceMatrix<> >'
typedef typename iterator_traits<typename Container::iterator>::iterator_category category;
^~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In
instantiation of 'const bool
pm::default_check_container_feature<pm::Rows<pm::IncidenceMatrix<> >,
pm::end_sensitive>::value':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:558:22:
required from 'const bool pm::list_search<pm::Rows<pm::IncidenceMatrix<> >,
pm::end_sensitive, pm::check_container_feature>::value'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:562:64:
required from 'struct pm::list_search<pm::Rows<pm::IncidenceMatrix<> >, pm::end_sensitive,
pm::check_container_feature>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:633:8:
required from 'struct pm::list_search_all<pm::Rows<pm::IncidenceMatrix<> >,
pm::end_sensitive, pm::check_container_feature>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1206:92:
required from 'struct pm::enforce_lacking_features<pm::Rows<pm::IncidenceMatrix<> >,
pm::end_sensitive>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1218:7:
required from 'class pm::feature_collector<pm::Rows<pm::IncidenceMatrix<> >,
pm::end_sensitive>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:611:1: [

```

```

skipping 3 instantiation contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:611:1:
required from 'struct
pm::has_container_category<pm::feature_collector<pm::Rows<pm::IncidenceMatrix<> >,
pm::end_sensitive> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:719:8:
required from 'struct
pm::default_container_traits<pm::feature_collector<pm::Rows<pm::IncidenceMatrix<> >,
pm::end_sensitive>, false>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:722:8:
required from 'struct
pm::container_traits<pm::feature_collector<pm::Rows<pm::IncidenceMatrix<> >,
pm::end_sensitive> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1252:8:
required from 'struct pm::ensure_features<pm::Rows<pm::IncidenceMatrix<> >,
pm::end_sensitive>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1728:8:
required from 'struct pm::Entire<pm::Rows<pm::IncidenceMatrix<> > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:1020:53:
required from here
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1099:94:
error: no type named 'iterator' in 'struct
pm::container_traits<pm::Rows<pm::IncidenceMatrix<> > >'
check_iterator_feature<typename container_traits<Container>::iterator, Feature>::value &&
~~~~~
~~~~~^~
!list_search_all<Feature, typename
enforce_feature_helper<Container>::must_enforce_features, absorbing_feature>::value;
~~~~~
~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In
instantiation of 'struct
pm::container_category_traits<pm::feature_collector<pm::Rows<pm::IncidenceMatrix<> >,
pm::end_sensitive>, false>':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:719:8:
required from 'struct
pm::default_container_traits<pm::feature_collector<pm::Rows<pm::IncidenceMatrix<> >,
pm::end_sensitive>, false>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:722:8:

```

```

required from 'struct
pm::container_traits<pm::feature_collector<pm::Rows<pm::IncidenceMatrix<> >,
pm::end_sensitive> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1252:8:
required from 'struct pm::ensure_features<pm::Rows<pm::IncidenceMatrix<> >,
pm::end_sensitive>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1728:8:
required from 'struct pm::Entire<pm::Rows<pm::IncidenceMatrix<> > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:1020:53:
required from here
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:657:86:
error: no type named 'iterator' in 'class
pm::feature_collector<pm::Rows<pm::IncidenceMatrix<> >, pm::end_sensitive>'
typedef typename iterator_traits<typename Container::iterator>::iterator_category category;
^~~~~~

In file included from /home/laisrast/Downloads/polymake-3.2/include/core-
wrappers/polymake/IncidenceMatrix.h:20,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:21:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h: In function
'pm::IncidenceMatrix<> pm::convolute(const pm::GenericIncidenceMatrix<TMatrix>&, const
pm::GenericIncidenceMatrix<Matrix2>&)':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:1020:55:
error: 'iterator' in 'struct pm::Entire<pm::Rows<pm::IncidenceMatrix<> > >' does not name a
type
for (typename Entire< Rows< IncidenceMatrix<> > >::iterator dst=entire(rows(result));
^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:1020:87:
error: no matching function for call to 'entire(pm::Rows<pm::IncidenceMatrix<> >&)'
for (typename Entire< Rows< IncidenceMatrix<> > >::iterator dst=entire(rows(result));
^

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations.h:21,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,

```

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from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1732:1:
note: candidate: 'template<class Container> typename pm::Entire<typename
pm::Concrete<T>::type>::iterator pm::entire(Container&)'
entire(Container& c)
^~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1732:1:
note: template argument deduction/substitution failed:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In
substitution of 'template<class Container> typename pm::Entire<typename
pm::Concrete<T>::type>::iterator pm::entire(Container&) [with Container =
pm::Rows<pm::IncidenceMatrix<> >]':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:1020:87:
required from here
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1732:1:
error: no type named 'iterator' in 'struct pm::Entire<pm::Rows<pm::IncidenceMatrix<> >
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1739:1:
note: candidate: 'template<class Container> typename pm::Entire<typename
pm::Concrete<T>::type>::const_iterator pm::entire(const Container&)'
entire(const Container& c)
^~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1739:1:
note: template argument deduction/substitution failed:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In
substitution of 'template<class Container> typename pm::Entire<typename
pm::Concrete<T>::type>::const_iterator pm::entire(const Container&) [with Container =
pm::Rows<pm::IncidenceMatrix<> >]':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:1020:87:
required from here
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:1739:1:
error: no type named 'const_iterator' in 'struct pm::Entire<pm::Rows<pm::IncidenceMatrix<> >
>'

In file included from /home/laisrast/Downloads/polymake-3.2/include/core-
wrappers/polymake/IncidenceMatrix.h:20,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:21:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:1021:14:

```

error: request for member 'at\_end' in 'dst', which is of non-class type 'int'

!dst.at\_end(); ++dst, ++r1)

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:1022:87:

error: invalid type argument of unary '\*' (have 'int')

accumulate\_in(entire(rows(m2.minor(\*r1,All))), BuildBinary<operations::add>(), \*dst);

^~~

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/SelectedSubset.h:21,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:22,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

/home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/modified\_containers.h: In instantiation of 'class

pm::modified\_container\_typebase<pm::Rows<pm::RestrictedIncidenceMatrix<(pm::sparse2d::restriction\_kind)3> >,

polymake::mlist<pm::ContainerTag<pm::sparse2d::ruler<pm::AVL::tree<pm::sparse2d::traits<pm::sparse2d::traits\_base<pm::nothing, true, false, (pm::sparse2d::restriction\_kind)3>, false, (pm::sparse2d::restriction\_kind)3> >, void\*> >,

pm::OperationTag<std::pair<pm::operations::masquerade<pm::incidence\_line>,

pm::sparse2d::line\_index\_accessor<void> > >,

pm::HiddenTag<pm::RestrictedIncidenceMatrix<(pm::sparse2d::restriction\_kind)3> > > >':

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse2d.h:1105:7:

required from 'class

pm::sparse2d::Rows<pm::RestrictedIncidenceMatrix<(pm::sparse2d::restriction\_kind)3>,

pm::nothing, false, (pm::sparse2d::restriction\_kind)3,

pm::operations::masquerade<pm::incidence\_line> >'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:497:7:

required from 'class

pm::Rows<pm::RestrictedIncidenceMatrix<(pm::sparse2d::restriction\_kind)3> >'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:611:1:

required by substitution of 'template<class T2> static typename pm::size\_discriminant<(2 - std::is\_same<typename T2::container\_category, void>::value)>::type

pm::has\_container\_category\_impl<pm::Rows<pm::RestrictedIncidenceMatrix<(pm::sparse2d::restriction\_kind)3> > >::Test<T2>(const T2\*, typename T2::container\_category\*) [with T2 =

pm::Rows<pm::RestrictedIncidenceMatrix<(pm::sparse2d::restriction\_kind)3> >']

```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:348:51:
required from 'const bool
pm::derivation::test_impl<pm::has_container_category_impl<pm::Rows<pm::RestrictedIncidenceMatrix<(pm::sparse2d::restriction_kind)3> > > >::value'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:352:11:
required from 'struct
pm::derivation::test<pm::has_container_category_impl<pm::Rows<pm::RestrictedIncidenceMatrix<(pm::sparse2d::restriction_kind)3> > > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:611:1:
required from 'struct
pm::has_container_category<pm::Rows<pm::RestrictedIncidenceMatrix<(pm::sparse2d::restriction_kind)3> > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:719:8:
required from 'struct
pm::default_container_traits<pm::Rows<pm::RestrictedIncidenceMatrix<(pm::sparse2d::restriction_kind)3> >, false>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:722:8:
required from 'struct
pm::container_traits<pm::Rows<pm::RestrictedIncidenceMatrix<(pm::sparse2d::restriction_kind)3> > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:171:7:
required from 'class pm::RestrictedIncidenceMatrix<(pm::sparse2d::restriction_kind)3>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:1071:50:
required from here
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:251:59: error: invalid use of
incomplete type 'struct
pm::iterator_traits<pm::unary_transform_iterator<pm::ptr_wrapper<pm::AVL::tree<pm::sparse2d::traits<pm::sparse2d::traits_base<pm::nothing, true, false,
(pm::sparse2d::restriction_kind)3>, false, (pm::sparse2d::restriction_kind)3> >, false>,
std::pair<pm::operations::masquerade<pm::incidence_line>,
pm::sparse2d::line_index_accessor<void> > > >'
typedef typename iterator_traits<iterator>::value_type value_type;
^~~~~~
In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations.h:21,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,

```

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from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:
note: declaration of 'struct
pm::iterator_traits<pm::unary_transform_iterator<pm::ptr_wrapper<pm::AVL::tree<pm::sparse
2d::traits<pm::sparse2d::traits_base<pm::nothing, true, false,
(pm::sparse2d::restriction_kind)3>, false, (pm::sparse2d::restriction_kind)3> >, false>,
std::pair<pm::operations::masquerade<pm::incidence_line>,
pm::sparse2d::line_index_accessor<void> > > >'
struct iterator_traits
^~~~~~

```

```

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/SelectedSubset.h:21,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:22,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:252:58: error: invalid use of
incomplete type 'struct
pm::iterator_traits<pm::unary_transform_iterator<pm::ptr_wrapper<pm::AVL::tree<pm::sparse
2d::traits<pm::sparse2d::traits_base<pm::nothing, true, false,
(pm::sparse2d::restriction_kind)3>, false, (pm::sparse2d::restriction_kind)3> >, false>,
std::pair<pm::operations::masquerade<pm::incidence_line>,
pm::sparse2d::line_index_accessor<void> > > >'
typedef typename iterator_traits<iterator>::reference reference;
^~~~~~

```

```

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations.h:21,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,

```

```

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:
note: declaration of 'struct
pm::iterator_traits<pm::unary_transform_iterator<pm::ptr_wrapper<pm::AVL::tree<pm::sparse
2d::traits<pm::sparse2d::traits_base<pm::nothing, true, false,
(pm::sparse2d::restriction_kind)3>, false, (pm::sparse2d::restriction_kind)3> >, false>,
std::pair<pm::operations::masquerade<pm::incidence_line>,
pm::sparse2d::line_index_accessor<void> > > >'
struct iterator_traits
^~~~~~

```

```

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/SelectedSubset.h:21,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:22,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:253:64: error: invalid use of
incomplete type 'struct
pm::iterator_traits<pm::unary_transform_iterator<pm::ptr_wrapper<const
pm::AVL::tree<pm::sparse2d::traits<pm::sparse2d::traits_base<pm::nothing, true, false,
(pm::sparse2d::restriction_kind)3>, false, (pm::sparse2d::restriction_kind)3> >, false>,
std::pair<pm::operations::masquerade<pm::incidence_line>,
pm::sparse2d::line_index_accessor<void> > > >'
typedef typename iterator_traits<const_iterator>::reference const_reference;
^~~~~~

```

```

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations.h:21,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,

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```
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:
note: declaration of 'struct
```

```
pm::iterator_traits<pm::unary_transform_iterator<pm::ptr_wrapper<const
pm::AVL::tree<pm::sparse2d::traits<pm::sparse2d::traits_base<pm::nothing, true, false,
(pm::sparse2d::restriction_kind)3>, false, (pm::sparse2d::restriction_kind)3> >, false>,
std::pair<pm::operations::masquerade<pm::incidence_line>,
pm::sparse2d::line_index_accessor<void> > > >'
struct iterator_traits
^~~~~~
```

```
In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/SelectedSubset.h:21,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:22,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h: In instantiation of 'class
pm::modified_container_typebase<pm::Cols<pm::RestrictedIncidenceMatrix<(pm::sparse2d::r
estricition_kind)3> >,
polymake::mlist<pm::ContainerTag<pm::sparse2d::ruler<pm::AVL::tree<pm::sparse2d::traits<p
m::sparse2d::traits_base<pm::nothing, false, false, (pm::sparse2d::restriction_kind)3>, false,
(pm::sparse2d::restriction_kind)3> >, void*> >,
pm::OperationTag<std::pair<pm::operations::masquerade<pm::incidence_line>,
pm::sparse2d::line_index_accessor<void> > > >,
pm::HiddenTag<pm::RestrictedIncidenceMatrix<(pm::sparse2d::restriction_kind)3> > > >':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse2d.h:1126:7:
required from 'class
pm::sparse2d::Cols<pm::RestrictedIncidenceMatrix<(pm::sparse2d::restriction_kind)3>,
pm::nothing, false, (pm::sparse2d::restriction_kind)3,
pm::operations::masquerade<pm::incidence_line> >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:508:7:
required from 'class
pm::Cols<pm::RestrictedIncidenceMatrix<(pm::sparse2d::restriction_kind)3> >'
```

```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:611:1:
required by substitution of 'template<class T2> static typename pm::size_discriminant<(2 -
std::is_same<typename T2::container_category, void>::value)>::type
pm::has_container_category_impl<pm::Cols<pm::RestrictedIncidenceMatrix<(pm::sparse2d::r
striction_kind)3> > >::Test<T2>(const T2*, typename T2::container_category*) [with T2 =
pm::Cols<pm::RestrictedIncidenceMatrix<(pm::sparse2d::restriction_kind)3> >]
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:348:51:
required from 'const bool
pm::derivation::test_impl<pm::has_container_category_impl<pm::Cols<pm::RestrictedIncidence
eMatrix<(pm::sparse2d::restriction_kind)3> > >::value'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:352:11:
required from 'struct
pm::derivation::test<pm::has_container_category_impl<pm::Cols<pm::RestrictedIncidenceMat
rix<(pm::sparse2d::restriction_kind)3> > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:611:1:
required from 'struct
pm::has_container_category<pm::Cols<pm::RestrictedIncidenceMatrix<(pm::sparse2d::restrict
ion_kind)3> > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:719:8:
required from 'struct
pm::default_container_traits<pm::Cols<pm::RestrictedIncidenceMatrix<(pm::sparse2d::restricti
on_kind)3> >, false>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:722:8:
required from 'struct
pm::container_traits<pm::Cols<pm::RestrictedIncidenceMatrix<(pm::sparse2d::restriction_kind
)3> > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:171:7:
required from 'class pm::RestrictedIncidenceMatrix<(pm::sparse2d::restriction_kind)3>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/IncidenceMatrix.h:1071:50:
required from here
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:251:59: error: invalid use of
incomplete type 'struct
pm::iterator_traits<pm::unary_transform_iterator<pm::ptr_wrapper<pm::AVL::tree<pm::sparse
2d::traits<pm::sparse2d::traits_base<pm::nothing, false, false,
(pm::sparse2d::restriction_kind)3>, false, (pm::sparse2d::restriction_kind)3> >, false>,
std::pair<pm::operations::masquerade<pm::incidence_line>,
pm::sparse2d::line_index_accessor<void> > >'
typedef typename iterator_traits<iterator>::value_type value_type;

```

^~~~~~

In file included from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/operations.h:21,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/comparators\_ops.h:25,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,  
from /home/laisrast/Downloads/polymake-3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:  
note: declaration of 'struct  
pm::iterator\_traits<pm::unary\_transform\_iterator<pm::ptr\_wrapper<pm::AVL::tree<pm::sparse  
2d::traits<pm::sparse2d::traits\_base<pm::nothing, false, false,  
(pm::sparse2d::restriction\_kind)3>, false, (pm::sparse2d::restriction\_kind)3> >, false>,  
std::pair<pm::operations::masquerade<pm::incidence\_line>,  
pm::sparse2d::line\_index\_accessor<void> > > >'  
struct iterator\_traits

^~~~~~

In file included from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/SelectedSubset.h:21,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:22,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,  
from /home/laisrast/Downloads/polymake-3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/modified\_containers.h:252:58: error: invalid use of  
incomplete type 'struct  
pm::iterator\_traits<pm::unary\_transform\_iterator<pm::ptr\_wrapper<pm::AVL::tree<pm::sparse  
2d::traits<pm::sparse2d::traits\_base<pm::nothing, false, false,  
(pm::sparse2d::restriction\_kind)3>, false, (pm::sparse2d::restriction\_kind)3> >, false>,  
std::pair<pm::operations::masquerade<pm::incidence\_line>,  
pm::sparse2d::line\_index\_accessor<void> > > >'  
typedef typename iterator\_traits<iterator>::reference reference;

^~~~~~

```

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations.h:21,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:
note: declaration of 'struct
pm::iterator_traits<pm::unary_transform_iterator<pm::ptr_wrapper<pm::AVL::tree<pm::sparse
2d::traits<pm::sparse2d::traits_base<pm::nothing, false, false,
(pm::sparse2d::restriction_kind)3>, false, (pm::sparse2d::restriction_kind)3> >, false>,
std::pair<pm::operations::masquerade<pm::incidence_line>,
pm::sparse2d::line_index_accessor<void> > > >'
struct iterator_traits
^~~~~~

```

```

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/SelectedSubset.h:21,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:22,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:253:64: error: invalid use of
incomplete type 'struct
pm::iterator_traits<pm::unary_transform_iterator<pm::ptr_wrapper<const
pm::AVL::tree<pm::sparse2d::traits<pm::sparse2d::traits_base<pm::nothing, false, false,
(pm::sparse2d::restriction_kind)3>, false, (pm::sparse2d::restriction_kind)3> >, false>,
std::pair<pm::operations::masquerade<pm::incidence_line>,
pm::sparse2d::line_index_accessor<void> > > >'
typedef typename iterator_traits<const_iterator>::reference const_reference;
^~~~~~

```

```

In file included from /home/laisrast/Downloads/polymake-

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```

3.2/include/core/polymake/internal/operations.h:21,
from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:
note: declaration of 'struct
pm::iterator_traits<pm::unary_transform_iterator<pm::ptr_wrapper<const
pm::AVL::tree<pm::sparse2d::traits<pm::sparse2d::traits_base<pm::nothing, false, false,
(pm::sparse2d::restriction_kind)3>, false, (pm::sparse2d::restriction_kind)3> >, false>,
std::pair<pm::operations::masquerade<pm::incidence_line>,
pm::sparse2d::line_index_accessor<void> > > >'
struct iterator_traits
^~~~~~

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h: In instantiation of
'void pm::perl::Value::num_input(Numtype&) const [with Numtype = int]':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:731:57: required
from here
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:712:37: error:
incomplete type 'pm::perl::numeric_traits<int>' used in nested name specifier
assign_int(x, int_value(), bool_constant<numeric_traits<Numtype>::check_range>());
^~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:715:41: error:
incomplete type 'pm::perl::numeric_traits<int>' used in nested name specifier
assign_float(x, float_value(), bool_constant<numeric_traits<Numtype>::check_range>());
^~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:718:52: error:
incomplete type 'pm::perl::numeric_traits<int>' used in nested name specifier
assign_int(x, Scalar::convert_to_int(sv),
bool_constant<numeric_traits<Numtype>::check_range>());

```

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h: In instantiation of  
'void pm::perl::Value::num\_input(Numtype&) const [with Numtype = unsigned int]':

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:732:66: required  
from here

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:712:37: error:  
incomplete type 'pm::perl::numeric\_traits<unsigned int>' used in nested name specifier  
assign\_int(x, int\_value(), bool\_constant<numeric\_traits<Numtype>::check\_range>());

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:715:41: error:  
incomplete type 'pm::perl::numeric\_traits<unsigned int>' used in nested name specifier  
assign\_float(x, float\_value(), bool\_constant<numeric\_traits<Numtype>::check\_range>());

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:718:52: error:  
incomplete type 'pm::perl::numeric\_traits<unsigned int>' used in nested name specifier  
assign\_int(x, Scalar::convert\_to\_int(sv),  
bool\_constant<numeric\_traits<Numtype>::check\_range>());

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h: In instantiation of  
'void pm::perl::Value::num\_input(Numtype&) const [with Numtype = long int]':

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:733:58: required  
from here

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:712:37: error:  
incomplete type 'pm::perl::numeric\_traits<long int>' used in nested name specifier  
assign\_int(x, int\_value(), bool\_constant<numeric\_traits<Numtype>::check\_range>());

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:715:41: error:  
incomplete type 'pm::perl::numeric\_traits<long int>' used in nested name specifier  
assign\_float(x, float\_value(), bool\_constant<numeric\_traits<Numtype>::check\_range>());

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:718:52: error:  
incomplete type 'pm::perl::numeric\_traits<long int>' used in nested name specifier  
assign\_int(x, Scalar::convert\_to\_int(sv),  
bool\_constant<numeric\_traits<Numtype>::check\_range>());

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h: In instantiation of  
'void pm::perl::Value::num\_input(Numtype&) const [with Numtype = long unsigned int]':

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:734:67: required  
from here

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:712:37: error:  
incomplete type 'pm::perl::numeric\_traits<long unsigned int>' used in nested name specifier  
assign\_int(x, int\_value(), bool\_constant<numeric\_traits<Numtype>::check\_range>());

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:715:41: error:  
incomplete type 'pm::perl::numeric\_traits<long unsigned int>' used in nested name specifier  
assign\_float(x, float\_value(), bool\_constant<numeric\_traits<Numtype>::check\_range>());

^~~~~~

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:718:52: error:  
incomplete type 'pm::perl::numeric\_traits<long unsigned int>' used in nested name specifier  
assign\_int(x, Scalar::convert\_to\_int(sv),  
bool\_constant<numeric\_traits<Numtype>::check\_range>());

^~~~~~

In file included from /home/laisrast/Downloads/polymake-  
3.2/include/core/polymake/internal/operations.h:21,  
from /home/laisrast/Downloads/polymake-  
3.2/include/core/polymake/internal/comparators\_ops.h:25,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,  
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,  
from /home/laisrast/Downloads/polymake-  
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In  
instantiation of 'struct  
pm::container\_category\_traits<pm::constant\_value\_container<pm::Matrix\_base<std::pair<double, double> >&>, false>':  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:719:8:  
required from 'struct  
pm::default\_container\_traits<pm::constant\_value\_container<pm::Matrix\_base<std::pair<double, double> >&>, false>'  
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:722:8:  
required from 'struct  
pm::container\_traits<pm::constant\_value\_container<pm::Matrix\_base<std::pair<double, double> >&> >'  
/home/laisrast/Downloads/polymake-  
3.2/include/core/polymake/internal/modified\_containers.h:757:7: required from 'class  
pm::modified\_container\_pair\_typebase<pm::Rows<pm::Matrix<std::pair<double, double> > >,

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polymake::mlist<pm::Container1Tag<pm::constant_value_container<pm::Matrix_base<std::pair<double, double> >&> >, pm::Container2Tag<pm::Series<int, false> >,
pm::OperationTag<pm::matrix_line_factory<true, void> >,
pm::HiddenTag<std::integral_constant<bool, true> > > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Matrix.h:373:7: required from
'class pm::Rows<pm::Matrix<std::pair<double, double> > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:611:1:
required by substitution of 'template<class T2> static typename pm::size_discriminant<(2 -
std::is_same<typename T2::container_category, void>::value)>::type
pm::has_container_category_impl<pm::Rows<pm::Matrix<std::pair<double, double> > >
>::Test<T2>(const T2*, typename T2::container_category*) [with T2 =
pm::Rows<pm::Matrix<std::pair<double, double> > >]'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:348:51:
[skipping 9 instantiation contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:352:11:
required from 'struct
pm::derivation::test<pm::has_generic_type_impl<pm::Matrix<std::pair<double, double> > > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:1051:1:
required from 'struct pm::has_generic_type<pm::Matrix<std::pair<double, double> > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:1087:8:
required from 'struct pm::redirect_object_traits<pm::Matrix<std::pair<double, double> > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:1437:7:
required from 'class polymake::perl_bindings::Class<pm::Matrix<std::pair<double, double> >
>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:104:96: required from
'polymake::common::{anonymous}::QueueingRegistrar4perl<What,
id>::QueueingRegistrar4perl(Args&& ...) [with Args = {const char (&)[67], const char (&)[86],
int}; What = polymake::perl_bindings::Class<pm::Matrix<std::pair<double, double> > >; int id =
24]'
/home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:24:4: required from here
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:657:86:
error: invalid use of incomplete type 'struct
pm::iterator_traits<pm::constant_value_iterator<pm::Matrix_base<std::pair<double, double>
>&> >'
typedef typename iterator_traits<typename Container::iterator>::iterator_category category;
^~~~~~
In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/operations.h:21,

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from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/comparators_ops.h:25,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:105:8:
note: declaration of 'struct
pm::iterator_traits<pm::constant_value_iterator<pm::Matrix_base<std::pair<double, double>
>&> >'

```

```

struct iterator_traits
^~~~~~

```

```

In file included from /home/laisrast/Downloads/polymake-
3.2/include/core/polymake/SelectedSubset.h:21,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:22,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,
from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h: In instantiation of 'class
pm::modified_container_pair_typebase<pm::Rows<pm::Matrix<std::pair<double, double> > >,
polymake::mlist<pm::Container1Tag<pm::constant_value_container<pm::Matrix_base<std::pai
r<double, double> >&> >, pm::Container2Tag<pm::Series<int, false> >,
pm::OperationTag<pm::matrix_line_factory<true, void> >,
pm::HiddenTag<std::integral_constant<bool, true> > > >':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Matrix.h:373:7: required from
'class pm::Rows<pm::Matrix<std::pair<double, double> > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:611:1:
required by substitution of 'template<class T2> static typename pm::size_discriminant<(2 -
std::is_same<typename T2::container_category, void>::value)>::type
pm::has_container_category_impl<pm::Rows<pm::Matrix<std::pair<double, double> > >
>::Test<T2>(const T2*, typename T2::container_category*) [with T2 =
pm::Rows<pm::Matrix<std::pair<double, double> > >]'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:348:51:

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required from 'const bool
pm::derivation::test_impl<pm::has_container_category_impl<pm::Rows<pm::Matrix<std::pair<
double, double> > > > >::value'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:352:11:
required from 'struct
pm::derivation::test<pm::has_container_category_impl<pm::Rows<pm::Matrix<std::pair<double,
double> > > > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:611:1:
required from 'struct pm::has_container_category<pm::Rows<pm::Matrix<std::pair<double,
double> > > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:719:8: [
skipping 6 instantiation contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:352:11:
required from 'struct
pm::derivation::test<pm::has_generic_type_impl<pm::Matrix<std::pair<double, double> > > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:1051:1:
required from 'struct pm::has_generic_type<pm::Matrix<std::pair<double, double> > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:1087:8:
required from 'struct pm::redirect_object_traits<pm::Matrix<std::pair<double, double> > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:1437:7:
required from 'class polymake::perl_bindings::Class<pm::Matrix<std::pair<double, double> >
>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:104:96: required from
'polymake::common::{anonymous}::QueueingRegistrator4perl<What,
id>::QueueingRegistrator4perl(Args&& ...) [with Args = {const char (&)[67], const char (&)[86],
int}; What = polymake::perl_bindings::Class<pm::Matrix<std::pair<double, double> > >; int id =
24]'
/home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:24:4: required from here
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:757:7: error: no type named 'iterator'
in 'struct
pm::container_traits<pm::constant_value_container<pm::Matrix_base<std::pair<double,
double> >&> >'
coupler_defs;
^~~~~~
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:767:7: error: no type named 'iterator'
in 'struct

```

```

pm::container_traits<pm::constant_value_container<pm::Matrix_base<std::pair<double,
double> >&> >'
needed_features1;
^~~~~~
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:772:7: error: no type named 'iterator'
in 'struct
pm::container_traits<pm::constant_value_container<pm::Matrix_base<std::pair<double,
double> >&> >'
needed_features2;
^~~~~~
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:776:7: error: no type named 'iterator'
in 'struct
pm::container_traits<pm::constant_value_container<pm::Matrix_base<std::pair<double,
double> >&> >'
it_pair;
^~~~~~
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:780:7: error: no type named 'iterator'
in 'struct
pm::container_traits<pm::constant_value_container<pm::Matrix_base<std::pair<double,
double> >&> >'
const_it_pair;
^~~~~~
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:797:59: error: no type named
'iterator' in 'struct
pm::container_traits<pm::constant_value_container<pm::Matrix_base<std::pair<double,
double> >&> >'
typedef typename iterator_traits<iterator>::value_type value_type;
^~~~~~
/home/laisrast/Downloads/polymake-
3.2/include/core/polymake/internal/modified_containers.h:798:58: error: no type named
'iterator' in 'struct
pm::container_traits<pm::constant_value_container<pm::Matrix_base<std::pair<double,
double> >&> >'
typedef typename iterator_traits<iterator>::reference reference;
^~~~~~

```

/home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/modified\_containers.h:799:64: error: no type named  
'iterator' in 'struct

pm::container\_traits<pm::constant\_value\_container<pm::Matrix\_base<std::pair<double,  
double> >&> >'

typedef typename iterator\_traits<const\_iterator>::reference const\_reference;

^~~~~~

In file included from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/operations.h:21,

from /home/laisrast/Downloads/polymake-

3.2/include/core/polymake/internal/comparators\_ops.h:25,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/Series.h:24,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/sparse.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericIO.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/Value.h:20,

from /home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:21,

from /home/laisrast/Downloads/polymake-

3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h: In

instantiation of 'struct pm::container\_category\_traits<pm::Rows<pm::Matrix<std::pair<double,  
double> > >, false>':

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:719:8:

required from 'struct pm::default\_container\_traits<pm::Rows<pm::Matrix<std::pair<double,  
double> > >, false>'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:722:8:

required from 'struct pm::container\_traits<pm::Rows<pm::Matrix<std::pair<double, double> >  
> >'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/GenericMatrix.h:113:7:

required from 'class pm::GenericMatrix<pm::Matrix<std::pair<double, double> >,  
std::pair<double, double> >'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Matrix.h:84:7: required from  
'class pm::Matrix<std::pair<double, double> >'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type\_manip.h:1051:1:  
[ skipping 2 instantiation contexts, use -ftemplate-backtrace-limit=0 to disable ]

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type\_manip.h:352:11:  
required from 'struct

pm::derivation::test<pm::has\_generic\_type\_impl<pm::Matrix<std::pair<double, double> > > >'

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type\_manip.h:1051:1:  
required from 'struct pm::has\_generic\_type<pm::Matrix<std::pair<double, double> > >'

```

/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:1087:8:
required from 'struct pm::redirect_object_traits<pm::Matrix<std::pair<double, double> > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:1437:7:
required from 'class polymake::perl_bindings::Class<pm::Matrix<std::pair<double, double> > >'
>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:104:96: required from
'polymake::common::{anonymous}::QueueingRegistrator4perl<What,
id>::QueueingRegistrator4perl(Args&& ...) [with Args = {const char (&)[67], const char (&)[86],
int}; What = polymake::perl_bindings::Class<pm::Matrix<std::pair<double, double> > >; int id =
24]'
/home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:24:4: required from here
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/iterators.h:657:86:
error: no type named 'iterator' in 'class pm::Rows<pm::Matrix<std::pair<double, double> > >'
typedef typename iterator_traits<typename Container::iterator>::iterator_category category;
^~~~~~
In file included from /home/laisrast/Downloads/polymake-3.2/include/core-
wrappers/polymake/Matrix.h:20,
from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:20:
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Matrix.h: In instantiation of
'class pm::Matrix<std::pair<double, double> >':
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:1051:1:
required by substitution of 'template<class T2> static typename pm::size_discriminant<(2 -
std::is_same<typename T2::generic_type, void>::value)>::type
pm::has_generic_type_impl<pm::Matrix<std::pair<double, double> > >::Test<T2>(const T2*,
typename T2::generic_type*) [with T2 = pm::Matrix<std::pair<double, double> >]'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:348:51:
required from 'const bool
pm::derivation::test_impl<pm::has_generic_type_impl<pm::Matrix<std::pair<double, double> > >::value'
> >::value'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:352:11:
required from 'struct
pm::derivation::test<pm::has_generic_type_impl<pm::Matrix<std::pair<double, double> > > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:1051:1:
required from 'struct pm::has_generic_type<pm::Matrix<std::pair<double, double> > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/internal/type_manip.h:1087:8:
required from 'struct pm::redirect_object_traits<pm::Matrix<std::pair<double, double> > >'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/perl/wrappers.h:1437:7:

```

```

required from 'class polymake::perl_bindings::Class<pm::Matrix<std::pair<double, double> >
>'
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:104:96: required from
'polymake::common::{anonymous}::QueueingRegistrar4perl<What,
id>::QueueingRegistrar4perl(Args&& ...) [with Args = {const char (&)[67], const char (&)[86],
int}; What = polymake::perl_bindings::Class<pm::Matrix<std::pair<double, double> > >; int id =
24]'
/home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:24:4: required from here
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Matrix.h:103:42: error: invalid
use of incomplete type 'class pm::Matrix<std::pair<double, double> >'
using typename GenericMatrix<Matrix>::generic_type;
^~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Matrix.h:84:7: note: definition
of 'class pm::Matrix<std::pair<double, double> >' is not complete until the closing brace
class Matrix
^~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Matrix.h:103:42: error: using-
declaration for non-member at class scope
using typename GenericMatrix<Matrix>::generic_type;
^~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Matrix.h:133:4: error: invalid
use of incomplete type 'class pm::Matrix<std::pair<double, double> >'
Matrix(const GenericMatrix<Matrix>& m)
^~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Matrix.h:84:7: note: definition
of 'class pm::Matrix<std::pair<double, double> >' is not complete until the closing brace
class Matrix
^~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Matrix.h:169:32: error: invalid
use of incomplete type 'class pm::Matrix<std::pair<double, double> >'
using generic_type::operator=;
^
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Matrix.h:84:7: note: definition
of 'class pm::Matrix<std::pair<double, double> >' is not complete until the closing brace
class Matrix
^~~~~~
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Matrix.h:169:32: error: using-
declaration for non-member at class scope

```

```
using generic_type::operator=;
```

```
^
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Matrix.h:240:9: error: invalid
use of incomplete type 'class pm::Matrix<std::pair<double, double> >'
```

```
void assign(const GenericMatrix<Matrix>& m) { this->data=m.top().data; }
```

```
^~~~~~
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/Matrix.h:84:7: note: definition
of 'class pm::Matrix<std::pair<double, double> >' is not complete until the closing brace
class Matrix
```

```
^~~~~~
```

```
In file included from /home/laisrast/Downloads/polymake-
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:19:
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h: In instantiation of
'polymake::common::{anonymous}::QueueingRegistrator4perl<What,
id>::QueueingRegistrator4perl(Args&& ...) [with Args = {const char (&)[67], const char (&)[86],
int}; What = polymake::perl_bindings::Class<pm::Matrix<std::pair<double, double> > >; int id =
24]':
```

```
/home/laisrast/Downloads/polymake-
```

```
3.2/bundled/singular/apps/common/src/perl/Matrix.cc:24:4: required from here
```

```
/home/laisrast/Downloads/polymake-3.2/include/core/polymake/client.h:104:96: error: 'kind' is
not a member of 'polymake::perl_bindings::Class<pm::Matrix<std::pair<double, double> > >'
static_cast<const What&>(get_registrator_queue(mlist<PolymakeGlueRegistratorTag>(),
std::integral_constant<pm::perl::RegistratorQueue::Kind, What::kind>()))
```

```
^~~~~~
```

```
[2/597] COMPILE /home/laisrast/Downloads/polymake-
3.2/build/Opt/apps/graph/perl/BasicDecoration.o
```

```
[3/597] COMPILE /home/laisrast/Downloads/polymake-
3.2/build/Opt/apps/graph/perl/DoublyConnectedEdgeList.o
```

```
[4/597] COMPILE /home/laisrast/Downloads/polymake-
3.2/build/Opt/apps/graph/bipartite_signature.o
```

```
[5/597] COMPILE /home/laisrast/Downloads/polymake-3.2/build/Opt/apps/graph/clip_graph.o
```

```
[6/597] COMPILE /home/laisrast/Downloads/polymake-
3.2/build/Opt/apps/graph/bounded_embedder.o
```

```
ninja: build stopped: subcommand failed.
```