Aerobus

v1.2

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Chapter 4

Concept Documentation

4.1 aerobus::IsEuclideanDomain Concept Reference

Concept to express R is an euclidean domain.

`#include <aerobus.h>`

4.1.1 Concept definition

```
template<typename R>
concept aerobus::IsEuclideanDomain =  IsRing<R> && requires {
        typename R::template div_t<typename R::one, typename R::one>;
        typename R::template mod_t<typename R::one, typename R::one>;
        typename R::template gcd_t<typename R::one, typename R::one>;
        typename R::template eq_t<typename R::one, typename R::one>;
        typename R::template pos_t<typename R::one>;

        R::template pos_v<typename R::one> == true;

        R::is_euclidean_domain == true;
    }
```

4.1.2 Detailed Description

Concept to express R is an euclidean domain.

4.2 aerobus::IsField Concept Reference

Concept to express R is a field.

`#include <aerobus.h>`

4.2.1 Concept definition

```
template<typename R>
concept aerobus::IsField =  IsEuclideanDomain<R> && requires {
        R::is_field == true;
    }
```

4.2.2 Detailed Description

Concept to express R is a field.

4.3 aerobus::IsRing Concept Reference

Concept to express R is a Ring (ordered)

`#include <aerobus.h>`

4.3.1 Concept definition

```
template<typename R>
concept aerobus::IsRing =  requires {
        typename R::one;
        typename R::zero;
        typename R::template add_t<typename R::one, typename R::one>;
        typename R::template sub_t<typename R::one, typename R::one>;
        typename R::template mul_t<typename R::one, typename R::one>;
    }
```

4.3.2 Detailed Description

Concept to express R is a Ring (ordered)

Chapter 5

Class Documentation

5.1 aerobus::polynomial< Ring, variable_name >::val< coeffN >::coeff_at< index, E > Struct Template Reference

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

- src/aerobus.h

5.2 aerobus::polynomial< Ring, variable_name >::val< coeffN >::coeff_at< index, std::enable_if_t<(index< 0||index > 0)> > Struct Template Reference

Public Types

- using **type** = typename Ring::zero

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

- src/aerobus.h

5.3 aerobus::polynomial< Ring, variable_name >::val< coeffN >::coeff_at< index, std::enable_if_t<(index==0)> > Struct Template Reference

Public Types

- using **type** = aN

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

- src/aerobus.h

5.4 aerobus::ContinuedFraction< values > Struct Template Reference

represents a continued fraction a0 + 1/(a1 + 1/(...))

`#include <aerobus.h>`

5.4.1 Detailed Description

template<int64_t... values>
struct aerobus::ContinuedFraction< values >

represents a continued fraction a0 + 1/(a1 + 1/(...))

Template Parameters

...values	

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

- src/aerobus.h

5.5 aerobus::ContinuedFraction< a0 > Struct Template Reference

Public Types

- using **type** = typename q64::template inject_constant_t< a0 >

Static Public Attributes

- static constexpr double **val** = type::template get<double>()

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

- src/aerobus.h

5.6 aerobus::ContinuedFraction< a0, rest... > Struct Template Reference

Public Types

- using **type** = q64::template add_t< typename q64::template inject_constant_t< a0 >, typename q64↩ ::template div_t< typename q64::one, typename ContinuedFraction< rest... >::type > >

Static Public Attributes

- static constexpr double **val** = type::template get<double>()

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

- src/aerobus.h

5.7 aerobus::i32 Struct Reference

32 bits signed integers, seen as a algebraic ring with related operations

`#include <aerobus.h>`

Classes

- struct val
  values in i32

Public Types

- using **inner_type** = int32_t
- using **zero** = val< 0 >
  constant zero
- using **one** = val< 1 >
  constant one
- template<auto x>
  using **inject_constant_t** = val< static_cast< int32_t >(x)>
- template<typename v >
  using **inject_ring_t** = v
- template<typename v1 , typename v2 >
  using **add_t** = typename add< v1, v2 >::type
  addition operator
- template<typename v1 , typename v2 >
  using **sub_t** = typename sub< v1, v2 >::type
  substraction operator
- template<typename v1 , typename v2 >
  using **mul_t** = typename mul< v1, v2 >::type
  multiplication operator
- template<typename v1 , typename v2 >
  using **div_t** = typename div< v1, v2 >::type
  division operator
- template<typename v1 , typename v2 >
  using **mod_t** = typename remainder< v1, v2 >::type
  modulus operator
- template<typename v1 , typename v2 >
  using **gt_t** = typename gt< v1, v2 >::type
  strictly greater operator (v1 > v2)

- template<typename v1 , typename v2 >
  using **lt_t** = typename lt< v1, v2 >::type

  strict less operator (v1 < v2)
- template<typename v1 , typename v2 >
  using **eq_t** = typename eq< v1, v2 >::type

  equality operator
- template<typename v1 , typename v2 >
  using **gcd_t** = gcd_t< i32, v1, v2 >

  greatest common divisor
- template<typename v >
  using **pos_t** = typename pos< v >::type

  positivity (v > 0)

Static Public Attributes

- static constexpr bool **is_field** = false

  integers are not a field
- static constexpr bool **is_euclidean_domain** = true

  integers are an euclidean domain
- template<typename v >
  static constexpr bool **pos_v** = pos_t<v>::value

5.7.1 Detailed Description

32 bits signed integers, seen as a algebraic ring with related operations

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

- src/aerobus.h

5.8 aerobus::i64 Struct Reference

64 bits signed integers, seen as a algebraic ring with related operations

`#include <aerobus.h>`

Classes

- struct val

  values in i64

Public Types

- using **inner_type** = int64_t
- template<auto x>
  using **inject_constant_t** = val< static_cast< int64_t >(x)>
- template<typename v >
  using **inject_ring_t** = v
- using **zero** = val< 0 >

  constant zero
- using **one** = val< 1 >

  constant one
- template<typename v1 , typename v2 >
  using **add_t** = typename add< v1, v2 >::type

  addition operator
- template<typename v1 , typename v2 >
  using **sub_t** = typename sub< v1, v2 >::type

  substraction operator
- template<typename v1 , typename v2 >
  using **mul_t** = typename mul< v1, v2 >::type

  multiplication operator
- template<typename v1 , typename v2 >
  using **div_t** = typename div< v1, v2 >::type

  division operator
- template<typename v1 , typename v2 >
  using **mod_t** = typename remainder< v1, v2 >::type

  modulus operator
- template<typename v1 , typename v2 >
  using **gt_t** = typename gt< v1, v2 >::type

  strictly greater operator (v1 > v2)
- template<typename v1 , typename v2 >
  using **lt_t** = typename lt< v1, v2 >::type

  strict less operator (v1 < v2)
- template<typename v1 , typename v2 >
  using **eq_t** = typename eq< v1, v2 >::type

  equality operator
- template<typename v1 , typename v2 >
  using **gcd_t** = gcd_t< i64, v1, v2 >

  greatest common divisor
- template<typename v >
  using **pos_t** = typename pos< v >::type

  is v positive

Static Public Attributes

- static constexpr bool **is_field** = false

  integers are not a field
- static constexpr bool **is_euclidean_domain** = true

  integers are an euclidean domain
- template<typename v >
  static constexpr bool **pos_v** = pos_t<v>::value

5.8.1 Detailed Description

64 bits signed integers, seen as a algebraic ring with related operations

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

- src/aerobus.h

5.9 aerobus::polynomial< Ring, variable_name >::eval_helper< valueRing, P >::inner< index, stop > Struct Template Reference

Static Public Member Functions

- static constexpr valueRing **func** (const valueRing &accum, const valueRing &x)

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

- src/aerobus.h

5.10 aerobus::polynomial< Ring, variable_name >::eval_helper< valueRing, P >::inner< stop, stop > Struct Template Reference

Static Public Member Functions

- static constexpr valueRing **func** (const valueRing &accum, const valueRing &x)

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

- src/aerobus.h

5.11 aerobus::is_prime< n > Struct Template Reference

checks if n is prime

`#include <aerobus.h>`

Static Public Attributes

- static constexpr bool **value** = internal::_is_prime<n, 5>::value
  true iff n is prime

5.11.1 Detailed Description

template<int32_t n>
struct aerobus::is_prime< n >

checks if n is prime

Template Parameters

n	

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

- src/aerobus.h

5.12 aerobus::polynomial< Ring, variable_name > Struct Template Reference

`#include <aerobus.h>`

Classes

- struct val
- struct val< coeffN >

Public Types

- using **zero** = val< typename Ring::zero >
  constant zero
- using **one** = val< typename Ring::one >
  constant one
- using **X** = val< typename Ring::one, typename Ring::zero >
  generator
- template<typename P >
  using simplify_t = typename simplify< P >::type
  simplifies a polynomial (deletes highest degree if null, do nothing otherwise)
- template<typename v1 , typename v2 >
  using add_t = typename add< v1, v2 >::type
  adds two polynomials
- template<typename v1 , typename v2 >
  using sub_t = typename sub< v1, v2 >::type
  substraction of two polynomials
- template<typename v1 , typename v2 >
  using mul_t = typename mul< v1, v2 >::type
  multiplication of two polynomials
- template<typename v1 , typename v2 >
  using eq_t = typename eq_helper< v1, v2 >::type
  equality operator
- template<typename v1 , typename v2 >
  using lt_t = typename lt_helper< v1, v2 >::type
  strict less operator
- template<typename v1 , typename v2 >
  using gt_t = typename gt_helper< v1, v2 >::type
  strict greater operator

- template<typename v1 , typename v2 >
  using div_t = typename div< v1, v2 >::q_type

  division operator
- template<typename v1 , typename v2 >
  using mod_t = typename div_helper< v1, v2, zero, v1 >::mod_type

  modulo operator
- template<typename coeff , size_t deg>
  using monomial_t = typename monomial< coeff, deg >::type

  monomial : coeff X^ deg
- template<typename v >
  using derive_t = typename derive_helper< v >::type

  derivation operator
- template<typename v >
  using pos_t = typename Ring::template pos_t< typename v::aN >

  checks for positivity (an > 0)
- template<typename v1 , typename v2 >
  using gcd_t = std::conditional_t< Ring::is_euclidean_domain, typename make_unit< gcd_t< polynomial< Ring, variable_name >, v1, v2 > >::type, void >

  greatest common divisor of two polynomials
- template<auto x>
  using **inject_constant_t** = val< typename Ring::template inject_constant_t< x > >
- template<typename v >
  using **inject_ring_t** = val< v >

Static Public Attributes

- static constexpr bool **is_field** = false
- static constexpr bool **is_euclidean_domain** = Ring::is_euclidean_domain
- template<typename v >
  static constexpr bool **pos_v** = pos_t<v>::value

5.12.1 Detailed Description

template<typename Ring, char variable_name = 'x'>
requires IsEuclideanDomain<Ring>
struct aerobus::polynomial< Ring, variable_name >

polynomial with coefficients in Ring Ring must be an integral domain

5.12.2 Member Typedef Documentation

5.12.2.1 add_t

```
template<typename Ring , char variable_name = 'x'>
template<typename v1 , typename v2 >
using aerobus::polynomial< Ring, variable_name >::add_t = typename add<v1, v2>::type
```

adds two polynomials

Template Parameters

v1	
v2	

5.12.2.2 derive_t

```
template<typename Ring , char variable_name = 'x'>
template<typename v >
using aerobus::polynomial< Ring, variable_name >::derive_t = typename derive_helper<v>::type
```

derivation operator

Template Parameters

v	

5.12.2.3 div_t

```
template<typename Ring , char variable_name = 'x'>
template<typename v1 , typename v2 >
using aerobus::polynomial< Ring, variable_name >::div_t = typename div<v1, v2>::q_type
```

division operator

Template Parameters

v1	
v2	

5.12.2.4 eq_t

```
template<typename Ring , char variable_name = 'x'>
template<typename v1 , typename v2 >
using aerobus::polynomial< Ring, variable_name >::eq_t = typename eq_helper<v1, v2>::type
```

equality operator

Template Parameters

v1	
v2	

5.12.2.5 gcd_t

```
template<typename Ring , char variable_name = 'x'>
```

```
template<typename v1 , typename v2 >
using aerobus::polynomial< Ring, variable_name >::gcd_t = std::conditional_t< Ring::is_↩
euclidean_domain, typename make_unit<gcd_t<polynomial<Ring, variable_name>, v1, v2> >::type,
void>
```

greatest common divisor of two polynomials

Template Parameters

v1	
v2	

5.12.2.6 gt_t

```
template<typename Ring , char variable_name = 'x'>
template<typename v1 , typename v2 >
using aerobus::polynomial< Ring, variable_name >::gt_t = typename gt_helper<v1, v2>::type
```

strict greater operator

Template Parameters

v1	
v2	

5.12.2.7 lt_t

```
template<typename Ring , char variable_name = 'x'>
template<typename v1 , typename v2 >
using aerobus::polynomial< Ring, variable_name >::lt_t = typename lt_helper<v1, v2>::type
```

strict less operator

Template Parameters

v1	
v2	

5.12.2.8 mod_t

```
template<typename Ring , char variable_name = 'x'>
template<typename v1 , typename v2 >
using aerobus::polynomial< Ring, variable_name >::mod_t = typename div_helper<v1, v2, zero,
v1>::mod_type
```

modulo operator

Template Parameters

v1	
v2	

5.12.2.9 monomial_t

```
template<typename Ring , char variable_name = 'x'>
template<typename coeff , size_t deg>
using aerobus::polynomial< Ring, variable_name >::monomial_t = typename monomial<coeff, deg>↩
::type
```

monomial : coeff X^deg

Template Parameters

coeff	
deg	

5.12.2.10 mul_t

```
template<typename Ring , char variable_name = 'x'>
template<typename v1 , typename v2 >
using aerobus::polynomial< Ring, variable_name >::mul_t = typename mul<v1, v2>::type
```

multiplication of two polynomials

Template Parameters

v1	
v2	

5.12.2.11 pos_t

```
template<typename Ring , char variable_name = 'x'>
template<typename v >
using aerobus::polynomial< Ring, variable_name >::pos_t = typename Ring::template pos_t<typename
v::aN>
```

checks for positivity (an > 0)

Template Parameters

v	

5.12.2.12 simplify_t

```
template<typename Ring , char variable_name = 'x'>
template<typename P >
using aerobus::polynomial< Ring, variable_name >::simplify_t = typename simplify<P>::type
```

simplifies a polynomial (deletes highest degree if null, do nothing otherwise)

Template Parameters

P	

5.12.2.13 sub_t

```
template<typename Ring , char variable_name = 'x'>
template<typename v1 , typename v2 >
using aerobus::polynomial< Ring, variable_name >::sub_t = typename sub<v1, v2>::type
```

substraction of two polynomials

Template Parameters

v1	
v2	

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

- src/aerobus.h

5.13 aerobus::type_list< Ts >::pop_front Struct Reference

Public Types

- using **type** = typename internal::pop_front_h< Ts... >::head
- using **tail** = typename internal::pop_front_h< Ts... >::tail

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

- src/aerobus.h

5.14 aerobus::Quotient< Ring, X > Struct Template Reference

Classes

- struct val

Public Types

- using **zero** = val< typename Ring::zero >
- using **one** = val< typename Ring::one >
- template<typename v1 , typename v2 >
  using **add_t** = val< typename Ring::template add_t< typename v1::type, typename v2::type > >
- template<typename v1 , typename v2 >
  using **mul_t** = val< typename Ring::template mul_t< typename v1::type, typename v2::type > >
- template<typename v1 , typename v2 >
  using **div_t** = val< typename Ring::template div_t< typename v1::type, typename v2::type > >
- template<typename v1 , typename v2 >
  using **mod_t** = val< typename Ring::template mod_t< typename v1::type, typename v2::type > >
- template<typename v1 , typename v2 >
  using **eq_t** = typename Ring::template eq_t< typename v1::type, typename v2::type >
- template<typename v1 >
  using **pos_t** = std::true_type
- template<auto x>
  using **inject_constant_t** = val< typename Ring::template inject_constant_t< x > >
- template<typename v >
  using **inject_ring_t** = val< v >

Static Public Attributes

- template<typename v1 , typename v2 >
  static constexpr bool **eq_v** = Ring::template eq_t<typename v1::type, typename v2::type>::value
- template<typename v >
  static constexpr bool **pos_v** = pos_t<v>::value
- static constexpr bool **is_euclidean_domain** = true

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

- src/aerobus.h

5.15 aerobus::type_list< Ts >::split< index > Struct Template Reference

Public Types

- using **head** = typename inner::head
- using **tail** = typename inner::tail

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

- src/aerobus.h

5.16 aerobus::type_list< Ts > Struct Template Reference

Empty pure template struct to handle type list.

Classes

- struct pop_front
- struct split

Public Types

- template<typename T >
  using **push_front** = type_list< T, Ts... >
- template<uint64_t index>
  using **at** = internal::type_at_t< index, Ts... >
- template<typename T >
  using **push_back** = type_list< Ts..., T >
- template<typename U >
  using **concat** = typename concat_h< U >::type
- template<uint64_t index, typename T >
  using **insert** = typename internal::insert_h< index, type_list< Ts... >, T >::type
- template<uint64_t index>
  using **remove** = typename internal::remove_h< index, type_list< Ts... > >::type

Static Public Attributes

- static constexpr size_t **length** = sizeof...(Ts)

5.16.1 Detailed Description

template<typename... Ts>
struct aerobus::type_list< Ts >

Empty pure template struct to handle type list.

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

- src/aerobus.h

5.17 aerobus::type_list<> Struct Reference

Public Types

- template<typename T >
  using **push_front** = type_list< T >
- template<typename T >
  using **push_back** = type_list< T >
- template<typename U >
  using **concat** = U
- template<uint64_t index, typename T >
  using **insert** = type_list< T >

Static Public Attributes

- static constexpr size_t **length** = 0

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

- src/aerobus.h

5.18 aerobus::i32::val< x > Struct Template Reference

values in i32

`#include <aerobus.h>`

Public Types

- using **is_zero_t** = std::bool_constant< x==0 >
  is value zero

Static Public Member Functions

- template<typename valueType >
  static constexpr valueType get ()
  cast x into valueType
- static std::string **to_string** ()
  string representation of value
- template<typename valueRing >
  static constexpr valueRing eval (const valueRing &v)
  cast x into valueRing

Static Public Attributes

- static constexpr int32_t **v** = x

5.18.1 Detailed Description

template<int32_t x>
struct aerobus::i32::val< x >

values in i32

Template Parameters

x	an actual integer

5.18.2 Member Function Documentation

5.18.2.1 eval()

```
template<int32_t x>
template<typename valueRing >
static constexpr valueRing aerobus::i32::val< x >::eval (
            const valueRing & v )  [inline], [static], [constexpr]
```

cast x into valueRing

Template Parameters

valueRing	double for example

5.18.2.2 get()

```
template<int32_t x>
template<typename valueType >
static constexpr valueType aerobus::i32::val< x >::get ( )  [inline], [static], [constexpr]
```

cast x into valueType

Template Parameters

valueType	double for example

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

- src/aerobus.h

5.19 aerobus::i64::val< x > Struct Template Reference

values in i64

```
#include <aerobus.h>
```

Public Types

- using **is_zero_t** = std::bool_constant< x==0 >
  is value zero

Static Public Member Functions

- template<typename valueType >
  static constexpr valueType get ()
  cast value in valueType
- static std::string **to_string** ()
  string representation
- template<typename valueRing >
  static constexpr valueRing eval (const valueRing &v)
  cast value in valueRing

Static Public Attributes

- static constexpr int64_t **v** = x

5.19.1 Detailed Description

template<int64_t x>
struct aerobus::i64::val< x >

values in i64

Template Parameters

x	an actual integer

5.19.2 Member Function Documentation

5.19.2.1 eval()

```
template<int64_t x>
template<typename valueRing >
static constexpr valueRing aerobus::i64::val< x >::eval (
            const valueRing & v )  [inline], [static], [constexpr]
```

cast value in valueRing

Template Parameters

valueRing	(double for example)

5.19.2.2 get()

```
template<int64_t x>
template<typename valueType >
static constexpr valueType aerobus::i64::val< x >::get ( )  [inline], [static], [constexpr]
```

cast value in valueType

Template Parameters

valueType	(double for example)

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

- src/aerobus.h

5.20 aerobus::polynomial< Ring, variable_name >::val< coeffN, coeffs > Struct Template Reference

Public Types

- using **aN** = coeffN
  heavy weight coefficient (non zero)
- using **strip** = val< coeffs... >
  remove largest coefficient
- using **is_zero_t** = std::bool_constant<(degree==0) &&(aN::is_zero_t::value)>
  true if polynomial is constant zero
- template<size_t index>
  using coeff_at_t = typename coeff_at< index >::type
  type of coefficient at index

Static Public Member Functions

- static std::string to_string ()
  get a string representation of polynomial
- template<typename valueRing >
  static constexpr valueRing eval (const valueRing &x)
  evaluates polynomial seen as a function operating on ValueRing

Static Public Attributes

- static constexpr size_t **degree** = sizeof...(coeffs)
  degree of the polynomial

5.20.1 Member Typedef Documentation

5.20.1.1 coeff_at_t

```
template<typename Ring , char variable_name = 'x'>
template<typename coeffN , typename...  coeffs>
template<size_t index>
using aerobus::polynomial< Ring, variable_name >::val< coeffN, coeffs >::coeff_at_t = typename
coeff_at<index>::type
```

type of coefficient at index

Template Parameters

index	

5.20.2 Member Function Documentation

5.20.2.1 eval()

```
template<typename Ring , char variable_name = 'x'>
template<typename coeffN , typename...  coeffs>
template<typename valueRing >
static constexpr valueRing aerobus::polynomial< Ring, variable_name >::val< coeffN, coeffs
>::eval (
            const valueRing & x )  [inline], [static], [constexpr]
```

evaluates polynomial seen as a function operating on ValueRing

Template Parameters

valueRing	usually float or double

Parameters

x	value

Returns

P(x)

5.20.2.2 to_string()

```
template<typename Ring , char variable_name = 'x'>
template<typename coeffN , typename...  coeffs>
static std::string aerobus::polynomial< Ring, variable_name >::val< coeffN, coeffs >::to_↩
string ( )  [inline], [static]
```

get a string representation of polynomial

Returns

something like a_n X^n + ... + a_1 X + a_0

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

- src/aerobus.h

5.21 aerobus::Quotient< Ring, X >::val< V > Struct Template Reference

Public Types

- using **type** = std::conditional_t< Ring::template pos_v< tmp >, tmp, typename Ring::template sub_t< typename Ring::zero, tmp > >

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

- src/aerobus.h

5.22 aerobus::zpz< p >::val< x > Struct Template Reference

Public Types

- using **is_zero_t** = std::bool_constant< x% p==0 >

Static Public Member Functions

- template<typename valueType >
  static constexpr valueType **get** ()
- static std::string **to_string** ()
- template<typename valueRing >
  static constexpr valueRing **eval** (const valueRing &v)

Static Public Attributes

- static constexpr int32_t **v** = x % p

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

- src/aerobus.h

5.23 aerobus::polynomial< Ring, variable_name >::val< coeffN > Struct Template Reference

Classes

- struct coeff_at
- struct coeff_at< index, std::enable_if_t<(index< 0||index > 0)> >
- struct coeff_at< index, std::enable_if_t<(index==0)> >

Public Types

- using **aN** = coeffN
- using **strip** = val< coeffN >
- using **is_zero_t** = std::bool_constant< aN::is_zero_t::value >
- template<size_t index>
  using **coeff_at_t** = typename coeff_at< index >::type

Static Public Member Functions

- static std::string **to_string** ()
- template<typename valueRing >
  static constexpr valueRing **eval** (const valueRing &x)

Static Public Attributes

- static constexpr size_t **degree** = 0
- static constexpr bool **is_zero_v** = is_zero_t::value

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

- src/aerobus.h

5.24 aerobus::zpz< p > Struct Template Reference

`#include <aerobus.h>`

Classes

- struct val

Public Types

- using **inner_type** = int32_t
- template<auto x>
  using **inject_constant_t** = val< static_cast< int32_t >(x)>
- using **zero** = val< 0 >
- using **one** = val< 1 >
- template<typename v1 , typename v2 >
  using **add_t** = typename add< v1, v2 >::type
- template<typename v1 , typename v2 >
  using **sub_t** = typename sub< v1, v2 >::type
- template<typename v1 , typename v2 >
  using **mul_t** = typename mul< v1, v2 >::type
- template<typename v1 , typename v2 >
  using **div_t** = typename div< v1, v2 >::type
- template<typename v1 , typename v2 >
  using **mod_t** = typename remainder< v1, v2 >::type
- template<typename v1 , typename v2 >
  using **gt_t** = typename gt< v1, v2 >::type
- template<typename v1 , typename v2 >
  using **lt_t** = typename lt< v1, v2 >::type
- template<typename v1 , typename v2 >
  using **eq_t** = typename eq< v1, v2 >::type
- template<typename v1 , typename v2 >
  using **gcd_t** = gcd_t< i32, v1, v2 >
- template<typename v1 >
  using **pos_t** = typename pos< v1 >::type

Static Public Attributes

- static constexpr bool **is_field** = is_prime<p>::value
- static constexpr bool **is_euclidean_domain** = true
- template<typename v >
  static constexpr bool **pos_v** = pos_t<v>::value

5.24.1 Detailed Description

template<int32_t p>
struct aerobus::zpz< p >

congruence classes of integers for a modulus if p is prime, zpz is a field, otherwise an integral domain with all related operations

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

- src/aerobus.h

Chapter 6

File Documentation

6.1 aerobus.h

```
00001 // -*- lsst-c++ -*-
00002 #ifndef __INC_AEROBUS__ // NOLINT
00003 #define __INC_AEROBUS__
00004
00005 #include <cstdint>
00006 #include <cstddef>
00007 #include <cstring>
00008 #include <type_traits>
00009 #include <utility>
00010 #include <algorithm>
00011 #include <functional>
00012 #include <string>
00013 #include <concepts> // NOLINT
00014 #include <array>
00015
00016
00017 #ifdef _MSC_VER
00018 #define ALIGNED(x) __declspec(align(x))
00019 #define INLINED __forceinline
00020 #else
00021 #define ALIGNED(x) __attribute__((aligned(x)))
00022 #define INLINED __attribute__((always_inline)) inline
00023 #endif
00024
00025 // aligned allocation
00026 namespace aerobus {
00033     template<typename T>
00034     T* aligned_malloc(size_t count, size_t alignment) {
00035         #ifdef _MSC_VER
00036         return static_cast<T*>(_aligned_malloc(count * sizeof(T), alignment));
00037         #else
00038         return static_cast<T*>(aligned_alloc(alignment, count * sizeof(T)));
00039         #endif
00040     }
00041
00050     template<typename T, size_t N>
00051     constexpr bool contains(const std::array<T, N>& arr, const T& v) {
00052         for (const auto& vv : arr) {
00053             if (v == vv) {
00054                 return true;
00055             }
00056         }
00057
00058         return false;
00059     }
00060
00061 }  // namespace aerobus
00062
00063 // concepts
00064 namespace aerobus {
00066     template <typename R>
00067     concept IsRing = requires {
00068         typename R::one;
00069         typename R::zero;
00070         typename R::template add_t<typename R::one, typename R::one>;
00071         typename R::template sub_t<typename R::one, typename R::one>;
00072         typename R::template mul_t<typename R::one, typename R::one>;
00073     };
```

```
00074
00076     template <typename R>
00077     concept IsEuclideanDomain = IsRing<R> && requires {
00078         typename R::template div_t<typename R::one, typename R::one>;
00079         typename R::template mod_t<typename R::one, typename R::one>;
00080         typename R::template gcd_t<typename R::one, typename R::one>;
00081         typename R::template eq_t<typename R::one, typename R::one>;
00082         typename R::template pos_t<typename R::one>;
00083
00084         R::template pos_v<typename R::one> == true;
00085         // typename R::template gt_t<typename R::one, typename R::zero>;
00086         R::is_euclidean_domain == true;
00087     };
00088
00090     template<typename R>
00091     concept IsField = IsEuclideanDomain<R> && requires {
00092         R::is_field == true;
00093     };
00094 }  // namespace aerobus
00095
00096 // utilities
00097 namespace aerobus {
00098     namespace internal {
00099         template<template<typename...> typename TT, typename T>
00100         struct is_instantiation_of : std::false_type { };
00101
00102         template<template<typename...> typename TT, typename... Ts>
00103         struct is_instantiation_of<TT, TT<Ts...>> : std::true_type { };
00104
00105         template<template<typename...> typename TT, typename T>
00106         inline constexpr bool is_instantiation_of_v = is_instantiation_of<TT, T>::value;
00107
00108         template <int64_t i, typename T, typename... Ts>
00109         struct type_at {
00110             static_assert(i < sizeof...(Ts) + 1, "index out of range");
00111             using type = typename type_at<i - 1, Ts...>::type;
00112         };
00113
00114         template <typename T, typename... Ts> struct type_at<0, T, Ts...> {
00115             using type = T;
00116         };
00117
00118         template <size_t i, typename... Ts>
00119         using type_at_t = typename type_at<i, Ts...>::type;
00120
00121
00122         template<int32_t n, int32_t i, typename E = void>
00123         struct _is_prime {};
00124
00125         template<int32_t i>
00126         struct _is_prime<1, i> {
00127             static constexpr bool value = false;
00128         };
00129
00130         template<int32_t i>
00131         struct _is_prime<2, i> {
00132             static constexpr bool value = true;
00133         };
00134
00135         template<int32_t i>
00136         struct _is_prime<3, i> {
00137             static constexpr bool value = true;
00138         };
00139
00140         template<int32_t i>
00141         struct _is_prime<5, i> {
00142             static constexpr bool value = true;
00143         };
00144
00145         template<int32_t i>
00146         struct _is_prime<7, i> {
00147             static constexpr bool value = true;
00148         };
00149
00150         template<int32_t n, int32_t i>
00151         struct _is_prime<n, i, std::enable_if_t<(n != 2 && n % 2 == 0)>> {
00152             static constexpr bool value = false;
00153         };
00154
00155         template<int32_t n, int32_t i>
00156         struct _is_prime<n, i, std::enable_if_t<(n != 2 && n != 3 && n % 2 != 0 && n % 3 == 0)>> {
00157             static constexpr bool value = false;
00158         };
00159
00160         template<int32_t n, int32_t i>
00161         struct _is_prime<n, i, std::enable_if_t<(n >= 9 && i * i > n)>> {
00162             static constexpr bool value = true;
```

```
00163         };
00164
00165         template<int32_t n, int32_t i>
00166         struct _is_prime<n, i, std::enable_if_t<(
00167             n % i == 0 &&
00168             n >= 9 &&
00169             n % 3 != 0 &&
00170             n % 2 != 0 &&
00171             i * i > n)» {
00172             static constexpr bool value = true;
00173         };
00174
00175         template<int32_t n, int32_t i>
00176         struct _is_prime<n, i, std::enable_if_t<(
00177             n % (i+2) == 0 &&
00178             n >= 9 &&
00179             n % 3 != 0 &&
00180             n % 2 != 0 &&
00181             i * i <= n)» {
00182             static constexpr bool value = true;
00183         };
00184
00185         template<int32_t n, int32_t i>
00186         struct _is_prime<n, i, std::enable_if_t<(
00187                 n % (i+2) != 0 &&
00188                 n % i != 0 &&
00189                 n >= 9 &&
00190                 n % 3 != 0 &&
00191                 n % 2 != 0 &&
00192                 (i * i <= n))» {
00193             static constexpr bool value = _is_prime<n, i+6>::value;
00194         };
00195
00196     }  // namespace internal
00197
00200     template<int32_t n>
00201     struct is_prime {
00203         static constexpr bool value = internal::_is_prime<n, 5>::value;
00204     };
00205
00206     template<int32_t n>
00207     static constexpr bool is_prime_v = is_prime<n>::value;
00208
00209     namespace internal {
00210         template <std::size_t... Is>
00211         constexpr auto index_sequence_reverse(std::index_sequence<Is...> const&)
00212             -> decltype(std::index_sequence<sizeof...(Is) - 1U - Is...>{});
00213
00214         template <std::size_t N>
00215         using make_index_sequence_reverse
00216             = decltype(index_sequence_reverse(std::make_index_sequence<N>{}));
00217
00223         template<typename Ring, typename E = void>
00224         struct gcd;
00225
00226         template<typename Ring>
00227         struct gcd<Ring, std::enable_if_t<Ring::is_euclidean_domain» {
00228             template<typename A, typename B, typename E = void>
00229             struct gcd_helper {};
00230
00231             // B = 0, A > 0
00232             template<typename A, typename B>
00233             struct gcd_helper<A, B, std::enable_if_t<
00234                 ((B::is_zero_t::value) &&
00235                     (Ring::template gt_t<A, typename Ring::zero>::value))» {
00236                 using type = A;
00237             };
00238
00239             // B = 0, A < 0
00240             template<typename A, typename B>
00241             struct gcd_helper<A, B, std::enable_if_t<
00242                 ((B::is_zero_t::value) &&
00243                     !(Ring::template gt_t<A, typename Ring::zero>::value))» {
00244                 using type = typename Ring::template sub_t<typename Ring::zero, A>;
00245             };
00246
00247             // B != 0
00248             template<typename A, typename B>
00249             struct gcd_helper<A, B, std::enable_if_t<
00250                 (!B::is_zero_t::value)
00251                 » {
00252             private: // NOLINT
00253                 // A / B
00254                 using k = typename Ring::template div_t<A, B>;
00255                 // A - (A/B)*B = A % B
00256                 using m = typename Ring::template sub_t<A, typename Ring::template mul_t<k, B»;
00257
```

```
00258             public:
00259                 using type = typename gcd_helper<B, m>::type;
00260             };
00261
00262             template<typename A, typename B>
00263             using type = typename gcd_helper<A, B>::type;
00264         };
00265     }  // namespace internal
00266
00269     template<typename T, typename A, typename B>
00270     using gcd_t = typename internal::gcd<T>::template type<A, B>;
00271 }  // namespace aerobus
00272
00273 // quotient ring by the principal ideal generated by X
00274 namespace aerobus {
00275     template<typename Ring, typename X>
00276     requires IsRing<Ring>
00277     struct Quotient {
00278         template <typename V>
00279         struct val {
00280          private: // NOLINT
00281             using tmp = typename Ring::template mod_t<V, X>;
00282
00283          public:
00284             using type = std::conditional_t<
00285                 Ring::template pos_v<tmp>,
00286                 tmp,
00287                 typename Ring::template sub_t<typename Ring::zero, tmp>
00288             >;
00289         };
00290
00291         using zero = val<typename Ring::zero>;
00292         using one = val<typename Ring::one>;
00293
00294         template<typename v1, typename v2>
00295         using add_t = val<typename Ring::template add_t<typename v1::type, typename v2::type>>;
00296         template<typename v1, typename v2>
00297         using mul_t = val<typename Ring::template mul_t<typename v1::type, typename v2::type>>;
00298         template<typename v1, typename v2>
00299         using div_t = val<typename Ring::template div_t<typename v1::type, typename v2::type>>;
00300         template<typename v1, typename v2>
00301         using mod_t = val<typename Ring::template mod_t<typename v1::type, typename v2::type>>;
00302         template<typename v1, typename v2>
00303         using eq_t = typename Ring::template eq_t<typename v1::type, typename v2::type>;
00304         template<typename v1, typename v2>
00305         static constexpr bool eq_v = Ring::template eq_t<typename v1::type, typename v2::type>::value;
00306         template<typename v1>
00307         using pos_t = std::true_type;
00308
00309         template<typename v>
00310         static constexpr bool pos_v = pos_t<v>::value;
00311
00312         static constexpr bool is_euclidean_domain = true;
00313
00314         template<auto x>
00315         using inject_constant_t = val<typename Ring::template inject_constant_t<x>>;
00316
00317         template<typename v>
00318         using inject_ring_t = val<v>;
00319     };
00320 }  // namespace aerobus
00321
00322 // type_list
00323 namespace aerobus {
00325     template <typename... Ts>
00326     struct type_list;
00327
00328     namespace internal {
00329         template <typename T, typename... Us>
00330         struct pop_front_h {
00331             using tail = type_list<Us...>;
00332             using head = T;
00333         };
00334
00335         template <uint64_t index, typename L1, typename L2>
00336         struct split_h {
00337          private:
00338             static_assert(index <= L2::length, "index ouf of bounds");
00339             using a = typename L2::pop_front::type;
00340             using b = typename L2::pop_front::tail;
00341             using c = typename L1::template push_back<a>;
00342
00343          public:
00344             using head = typename split_h<index - 1, c, b>::head;
00345             using tail = typename split_h<index - 1, c, b>::tail;
00346         };
00347
```

```
00348         template <typename L1, typename L2>
00349         struct split_h<0, L1, L2> {
00350             using head = L1;
00351             using tail = L2;
00352         };
00353 
00354         template <uint64_t index, typename L, typename T>
00355         struct insert_h {
00356             static_assert(index <= L::length, "index ouf of bounds");
00357             using s = typename L::template split<index>;
00358             using left = typename s::head;
00359             using right = typename s::tail;
00360             using ll = typename left::template push_back<T>;
00361             using type = typename ll::template concat<right>;
00362         };
00363 
00364         template <uint64_t index, typename L>
00365         struct remove_h {
00366             using s = typename L::template split<index>;
00367             using left = typename s::head;
00368             using right = typename s::tail;
00369             using rr = typename right::pop_front::tail;
00370             using type = typename left::template concat<rr>;
00371         };
00372     }  // namespace internal
00373 
00374     template <typename... Ts>
00375     struct type_list {
00376      private:
00377         template <typename T>
00378         struct concat_h;
00379 
00380         template <typename... Us>
00381         struct concat_h<type_list<Us...>> {
00382             using type = type_list<Ts..., Us...>;
00383         };
00384 
00385      public:
00386         static constexpr size_t length = sizeof...(Ts);
00387 
00388         template <typename T>
00389         using push_front = type_list<T, Ts...>;
00390 
00391         template <uint64_t index>
00392         using at = internal::type_at_t<index, Ts...>;
00393 
00394         struct pop_front {
00395             using type = typename internal::pop_front_h<Ts...>::head;
00396             using tail = typename internal::pop_front_h<Ts...>::tail;
00397         };
00398 
00399         template <typename T>
00400         using push_back = type_list<Ts..., T>;
00401 
00402         template <typename U>
00403         using concat = typename concat_h<U>::type;
00404 
00405         template <uint64_t index>
00406         struct split {
00407          private:
00408             using inner = internal::split_h<index, type_list<>, type_list<Ts...>>;
00409 
00410          public:
00411             using head = typename inner::head;
00412             using tail = typename inner::tail;
00413         };
00414 
00415         template <uint64_t index, typename T>
00416         using insert = typename internal::insert_h<index, type_list<Ts...>, T>::type;
00417 
00418         template <uint64_t index>
00419         using remove = typename internal::remove_h<index, type_list<Ts...>>::type;
00420     };
00421 
00422     template <>
00423     struct type_list<> {
00424         static constexpr size_t length = 0;
00425 
00426         template <typename T>
00427         using push_front = type_list<T>;
00428 
00429         template <typename T>
00430         using push_back = type_list<T>;
00431 
00432         template <typename U>
00433         using concat = U;
00434 
```

```
00435         // TODO(jewave): assert index == 0
00436         template <uint64_t index, typename T>
00437         using insert = type_list<T>;
00438     };
00439 }  // namespace aerobus
00440
00441 // i32
00442 namespace aerobus {
00444     struct i32 {
00445         using inner_type = int32_t;
00448         template<int32_t x>
00449         struct val {
00450             static constexpr int32_t v = x;
00451
00454             template<typename valueType>
00455             static constexpr valueType get() { return static_cast<valueType>(x); }
00456
00458             using is_zero_t = std::bool_constant<x == 0>;
00459
00461             static std::string to_string() {
00462                 return std::to_string(x);
00463             }
00464
00467             template<typename valueRing>
00468             static constexpr valueRing eval(const valueRing& v) {
00469                 return static_cast<valueRing>(x);
00470             }
00471         };
00472
00474         using zero = val<0>;
00476         using one = val<1>;
00478         static constexpr bool is_field = false;
00480         static constexpr bool is_euclidean_domain = true;
00484         template<auto x>
00485         using inject_constant_t = val<static_cast<int32_t>(x)>;
00486
00487         template<typename v>
00488         using inject_ring_t = v;
00489
00490     private:
00491         template<typename v1, typename v2>
00492         struct add {
00493             using type = val<v1::v + v2::v>;
00494         };
00495
00496         template<typename v1, typename v2>
00497         struct sub {
00498             using type = val<v1::v - v2::v>;
00499         };
00500
00501         template<typename v1, typename v2>
00502         struct mul {
00503             using type = val<v1::v* v2::v>;
00504         };
00505
00506         template<typename v1, typename v2>
00507         struct div {
00508             using type = val<v1::v / v2::v>;
00509         };
00510
00511         template<typename v1, typename v2>
00512         struct remainder {
00513             using type = val<v1::v % v2::v>;
00514         };
00515
00516         template<typename v1, typename v2>
00517         struct gt {
00518             using type = std::conditional_t<(v1::v > v2::v), std::true_type, std::false_type>;
00519         };
00520
00521         template<typename v1, typename v2>
00522         struct lt {
00523             using type = std::conditional_t<(v1::v < v2::v), std::true_type, std::false_type>;
00524         };
00525
00526         template<typename v1, typename v2>
00527         struct eq {
00528             using type = std::conditional_t<(v1::v == v2::v), std::true_type, std::false_type>;
00529         };
00530
00531         template<typename v1>
00532         struct pos {
00533             using type = std::bool_constant<(v1::v > 0)>;
00534         };
00535
00536     public:
00538         template<typename v1, typename v2>
```

```
00539         using add_t = typename add<v1, v2>::type;
00540
00542         template<typename v1, typename v2>
00543         using sub_t = typename sub<v1, v2>::type;
00544
00546         template<typename v1, typename v2>
00547         using mul_t = typename mul<v1, v2>::type;
00548
00550         template<typename v1, typename v2>
00551         using div_t = typename div<v1, v2>::type;
00552
00554         template<typename v1, typename v2>
00555         using mod_t = typename remainder<v1, v2>::type;
00556
00558         template<typename v1, typename v2>
00559         using gt_t = typename gt<v1, v2>::type;
00560
00562         template<typename v1, typename v2>
00563         using lt_t = typename lt<v1, v2>::type;
00564
00566         template<typename v1, typename v2>
00567         using eq_t = typename eq<v1, v2>::type;
00568
00570         template<typename v1, typename v2>
00571         using gcd_t = gcd_t<i32, v1, v2>;
00572
00574         template<typename v>
00575         using pos_t = typename pos<v>::type;
00576
00577         template<typename v>
00578         static constexpr bool pos_v = pos_t<v>::value;
00579     };
00580 }  // namespace aerobus
00581
00582 // i64
00583 namespace aerobus {
00585     struct i64 {
00586         using inner_type = int64_t;
00589         template<int64_t x>
00590         struct val {
00591             static constexpr int64_t v = x;
00592
00595             template<typename valueType>
00596             static constexpr valueType get() { return static_cast<valueType>(x); }
00597
00599             using is_zero_t = std::bool_constant<x == 0>;
00600
00602             static std::string to_string() {
00603                 return std::to_string(x);
00604             }
00605
00608             template<typename valueRing>
00609             static constexpr valueRing eval(const valueRing& v) {
00610                 return static_cast<valueRing>(x);
00611             }
00612         };
00613
00617         template<auto x>
00618         using inject_constant_t = val<static_cast<int64_t>(x)>;
00619
00620         template<typename v>
00621         using inject_ring_t = v;
00622
00624         using zero = val<0>;
00626         using one = val<1>;
00628         static constexpr bool is_field = false;
00630         static constexpr bool is_euclidean_domain = true;
00631
00632     private:
00633         template<typename v1, typename v2>
00634         struct add {
00635             using type = val<v1::v + v2::v>;
00636         };
00637
00638         template<typename v1, typename v2>
00639         struct sub {
00640             using type = val<v1::v - v2::v>;
00641         };
00642
00643         template<typename v1, typename v2>
00644         struct mul {
00645             using type = val<v1::v* v2::v>;
00646         };
00647
00648         template<typename v1, typename v2>
00649         struct div {
00650             using type = val<v1::v / v2::v>;
```

```
00651         };
00652
00653         template<typename v1, typename v2>
00654         struct remainder {
00655             using type = val<v1::v% v2::v>;
00656         };
00657
00658         template<typename v1, typename v2>
00659         struct gt {
00660             using type = std::conditional_t<(v1::v > v2::v), std::true_type, std::false_type>;
00661         };
00662
00663         template<typename v1, typename v2>
00664         struct lt {
00665             using type = std::conditional_t<(v1::v < v2::v), std::true_type, std::false_type>;
00666         };
00667
00668         template<typename v1, typename v2>
00669         struct eq {
00670             using type = std::conditional_t<(v1::v == v2::v), std::true_type, std::false_type>;
00671         };
00672
00673         template<typename v>
00674         struct pos {
00675             using type = std::bool_constant<(v::v > 0)>;
00676         };
00677
00678      public:
00680         template<typename v1, typename v2>
00681         using add_t = typename add<v1, v2>::type;
00682
00684         template<typename v1, typename v2>
00685         using sub_t = typename sub<v1, v2>::type;
00686
00688         template<typename v1, typename v2>
00689         using mul_t = typename mul<v1, v2>::type;
00690
00692         template<typename v1, typename v2>
00693         using div_t = typename div<v1, v2>::type;
00694
00696         template<typename v1, typename v2>
00697         using mod_t = typename remainder<v1, v2>::type;
00698
00700         template<typename v1, typename v2>
00701         using gt_t = typename gt<v1, v2>::type;
00702
00704         template<typename v1, typename v2>
00705         using lt_t = typename lt<v1, v2>::type;
00706
00708         template<typename v1, typename v2>
00709         using eq_t = typename eq<v1, v2>::type;
00710
00712         template<typename v1, typename v2>
00713         using gcd_t = gcd_t<i64, v1, v2>;
00714
00716         template<typename v>
00717         using pos_t = typename pos<v>::type;
00718
00719         template<typename v>
00720         static constexpr bool pos_v = pos_t<v>::value;
00721     };
00722 }  // namespace aerobus
00723
00724 // z/pz
00725 namespace aerobus {
00730     template<int32_t p>
00731     struct zpz {
00732         using inner_type = int32_t;
00733         template<int32_t x>
00734         struct val {
00735             static constexpr int32_t v = x % p;
00736
00737             template<typename valueType>
00738             static constexpr valueType get() { return static_cast<valueType>(x % p); }
00739
00740             using is_zero_t = std::bool_constant<x% p == 0>;
00741             static std::string to_string() {
00742                 return std::to_string(x % p);
00743             }
00744
00745             template<typename valueRing>
00746             static constexpr valueRing eval(const valueRing& v) {
00747                 return static_cast<valueRing>(x % p);
00748             }
00749         };
00750
00751         template<auto x>
```

```
00752         using inject_constant_t = val<static_cast<int32_t>(x)>;
00753
00754         using zero = val<0>;
00755         using one = val<1>;
00756         static constexpr bool is_field = is_prime<p>::value;
00757         static constexpr bool is_euclidean_domain = true;
00758
00759       private:
00760         template<typename v1, typename v2>
00761         struct add {
00762             using type = val<(v1::v + v2::v) % p>;
00763         };
00764
00765         template<typename v1, typename v2>
00766         struct sub {
00767             using type = val<(v1::v - v2::v) % p>;
00768         };
00769
00770         template<typename v1, typename v2>
00771         struct mul {
00772             using type = val<(v1::v* v2::v) % p>;
00773         };
00774
00775         template<typename v1, typename v2>
00776         struct div {
00777             using type = val<(v1::v% p) / (v2::v % p)>;
00778         };
00779
00780         template<typename v1, typename v2>
00781         struct remainder {
00782             using type = val<(v1::v% v2::v) % p>;
00783         };
00784
00785         template<typename v1, typename v2>
00786         struct gt {
00787             using type = std::conditional_t<(v1::v% p > v2::v% p), std::true_type, std::false_type>;
00788         };
00789
00790         template<typename v1, typename v2>
00791         struct lt {
00792             using type = std::conditional_t<(v1::v% p < v2::v% p), std::true_type, std::false_type>;
00793         };
00794
00795         template<typename v1, typename v2>
00796         struct eq {
00797             using type = std::conditional_t<(v1::v% p == v2::v % p), std::true_type, std::false_type>;
00798         };
00799
00800         template<typename v1>
00801         struct pos {
00802             using type = std::bool_constant<(v1::v > 0)>;
00803         };
00804
00805       public:
00806         template<typename v1, typename v2>
00807         using add_t = typename add<v1, v2>::type;
00808
00809         template<typename v1, typename v2>
00810         using sub_t = typename sub<v1, v2>::type;
00811
00812         template<typename v1, typename v2>
00813         using mul_t = typename mul<v1, v2>::type;
00814
00815         template<typename v1, typename v2>
00816         using div_t = typename div<v1, v2>::type;
00817
00818         template<typename v1, typename v2>
00819         using mod_t = typename remainder<v1, v2>::type;
00820
00821         template<typename v1, typename v2>
00822         using gt_t = typename gt<v1, v2>::type;
00823
00824         template<typename v1, typename v2>
00825         using lt_t = typename lt<v1, v2>::type;
00826
00827         template<typename v1, typename v2>
00828         using eq_t = typename eq<v1, v2>::type;
00829
00830         template<typename v1, typename v2>
00831         using gcd_t = gcd_t<i32, v1, v2>;
00832
00833         template<typename v1>
00834         using pos_t = typename pos<v1>::type;
00835
00836         template<typename v>
00837         static constexpr bool pos_v = pos_t<v>::value;
00838     };
```

```
00839 }  // namespace aerobus
00840
00841 // polynomial
00842 namespace aerobus {
00843     // coeffN x^N + ...
00848     template<typename Ring, char variable_name = 'x'>
00849     requires IsEuclideanDomain<Ring>
00850     struct polynomial {
00851         static constexpr bool is_field = false;
00852         static constexpr bool is_euclidean_domain = Ring::is_euclidean_domain;
00853
00854         template<typename coeffN, typename... coeffs>
00855         struct val {
00857             static constexpr size_t degree = sizeof...(coeffs);
00859             using aN = coeffN;
00861             using strip = val<coeffs...>;
00863             using is_zero_t = std::bool_constant<(degree == 0) && (aN::is_zero_t::value)>;
00864
00865          private:
00866             template<size_t index, typename E = void>
00867             struct coeff_at {};
00868
00869             template<size_t index>
00870             struct coeff_at<index, std::enable_if_t<(index >= 0 && index <= sizeof...(coeffs))>> {
00871                 using type = internal::type_at_t<sizeof...(coeffs) - index, coeffN, coeffs...>;
00872             };
00873
00874             template<size_t index>
00875             struct coeff_at<index, std::enable_if_t<(index < 0 || index > sizeof...(coeffs))>> {
00876                 using type = typename Ring::zero;
00877             };
00878
00879          public:
00882             template<size_t index>
00883             using coeff_at_t = typename coeff_at<index>::type;
00884
00887             static std::string to_string() {
00888                 return string_helper<coeffN, coeffs...>::func();
00889             }
00890
00895             template<typename valueRing>
00896             static constexpr valueRing eval(const valueRing& x) {
00897                 return eval_helper<valueRing, val>::template inner<0, degree +
      1>::func(static_cast<valueRing>(0), x);
00898             }
00899         };
00900
00901         // specialization for constants
00902         template<typename coeffN>
00903         struct val<coeffN> {
00904             static constexpr size_t degree = 0;
00905             using aN = coeffN;
00906             using strip = val<coeffN>;
00907             using is_zero_t = std::bool_constant<aN::is_zero_t::value>;
00908
00909             static constexpr bool is_zero_v = is_zero_t::value;
00910
00911             template<size_t index, typename E = void>
00912             struct coeff_at {};
00913
00914             template<size_t index>
00915             struct coeff_at<index, std::enable_if_t<(index == 0)>> {
00916                 using type = aN;
00917             };
00918
00919             template<size_t index>
00920             struct coeff_at<index, std::enable_if_t<(index < 0 || index > 0)>> {
00921                 using type = typename Ring::zero;
00922             };
00923
00924             template<size_t index>
00925             using coeff_at_t = typename coeff_at<index>::type;
00926
00927             static std::string to_string() {
00928                 return string_helper<coeffN>::func();
00929             }
00930
00931             template<typename valueRing>
00932             static constexpr valueRing eval(const valueRing& x) {
00933                 return static_cast<valueRing>(aN::template get<valueRing>());
00934             }
00935         };
00936
00938         using zero = val<typename Ring::zero>;
00940         using one = val<typename Ring::one>;
00942         using X = val<typename Ring::one, typename Ring::zero>;
00943
```

```
00944       private:
00945           template<typename P, typename E = void>
00946           struct simplify;
00947
00948           template <typename P1, typename P2, typename I>
00949           struct add_low;
00950
00951           template<typename P1, typename P2>
00952           struct add {
00953               using type = typename simplify<typename add_low<
00954               P1,
00955               P2,
00956               internal::make_index_sequence_reverse<
00957               std::max(P1::degree, P2::degree) + 1
00958               »::type>::type;
00959           };
00960
00961           template <typename P1, typename P2, typename I>
00962           struct sub_low;
00963
00964           template <typename P1, typename P2, typename I>
00965           struct mul_low;
00966
00967           template<typename v1, typename v2>
00968           struct mul {
00969                   using type = typename mul_low<
00970                       v1,
00971                       v2,
00972                       internal::make_index_sequence_reverse<
00973                       v1::degree + v2::degree + 1
00974                       »::type;
00975           };
00976
00977           template<typename coeff, size_t deg>
00978           struct monomial;
00979
00980           template<typename v, typename E = void>
00981           struct derive_helper {};
00982
00983           template<typename v>
00984           struct derive_helper<v, std::enable_if_t<v::degree == 0» {
00985               using type = zero;
00986           };
00987
00988           template<typename v>
00989           struct derive_helper<v, std::enable_if_t<v::degree != 0» {
00990               using type = typename add<
00991                   typename derive_helper<typename simplify<typename v::strip>::type>::type,
00992                   typename monomial<
00993                       typename Ring::template mul_t<
00994                           typename v::aN,
00995                           typename Ring::template inject_constant_t<(v::degree)>
00996                       >,
00997                       v::degree - 1
00998                   >::type
00999               >::type;
01000           };
01001
01002           template<typename v1, typename v2, typename E = void>
01003           struct eq_helper {};
01004
01005           template<typename v1, typename v2>
01006           struct eq_helper<v1, v2, std::enable_if_t<v1::degree != v2::degree» {
01007               using type = std::false_type;
01008           };
01009
01010
01011           template<typename v1, typename v2>
01012           struct eq_helper<v1, v2, std::enable_if_t<
01013               v1::degree == v2::degree &&
01014               (v1::degree != 0 || v2::degree != 0) &&
01015               std::is_same<
01016               typename Ring::template eq_t<typename v1::aN, typename v2::aN>,
01017               std::false_type
01018               >::value
01019           >
01020           > {
01021               using type = std::false_type;
01022           };
01023
01024           template<typename v1, typename v2>
01025           struct eq_helper<v1, v2, std::enable_if_t<
01026               v1::degree == v2::degree &&
01027               (v1::degree != 0 || v2::degree != 0) &&
01028               std::is_same<
01029               typename Ring::template eq_t<typename v1::aN, typename v2::aN>,
01030               std::true_type
```

```
01031             >::value
01032         » {
01033             using type = typename eq_helper<typename v1::strip, typename v2::strip>::type;
01034         };
01035
01036         template<typename v1, typename v2>
01037         struct eq_helper<v1, v2, std::enable_if_t<
01038             v1::degree == v2::degree &&
01039             (v1::degree == 0)
01040         » {
01041             using type = typename Ring::template eq_t<typename v1::aN, typename v2::aN>;
01042         };
01043
01044         template<typename v1, typename v2, typename E = void>
01045         struct lt_helper {};
01046
01047         template<typename v1, typename v2>
01048         struct lt_helper<v1, v2, std::enable_if_t<(v1::degree < v2::degree)» {
01049             using type = std::true_type;
01050         };
01051
01052         template<typename v1, typename v2>
01053         struct lt_helper<v1, v2, std::enable_if_t<(v1::degree == v2::degree)» {
01054             using type = typename Ring::template lt_t<typename v1::aN, typename v2::aN>;
01055         };
01056
01057         template<typename v1, typename v2>
01058         struct lt_helper<v1, v2, std::enable_if_t<(v1::degree > v2::degree)» {
01059             using type = std::false_type;
01060         };
01061
01062         template<typename v1, typename v2, typename E = void>
01063         struct gt_helper {};
01064
01065         template<typename v1, typename v2>
01066         struct gt_helper<v1, v2, std::enable_if_t<(v1::degree > v2::degree)» {
01067             using type = std::true_type;
01068         };
01069
01070         template<typename v1, typename v2>
01071         struct gt_helper<v1, v2, std::enable_if_t<(v1::degree == v2::degree)» {
01072             using type = std::false_type;
01073         };
01074
01075         template<typename v1, typename v2>
01076         struct gt_helper<v1, v2, std::enable_if_t<(v1::degree < v2::degree)» {
01077             using type = std::false_type;
01078         };
01079
01080         // when high power is zero : strip
01081         template<typename P>
01082         struct simplify<P, std::enable_if_t<
01083             std::is_same<
01084             typename Ring::zero,
01085             typename P::aN
01086             >::value && (P::degree > 0)
01087         » {
01088             using type = typename simplify<typename P::strip>::type;
01089         };
01090
01091         // otherwise : do nothing
01092         template<typename P>
01093         struct simplify<P, std::enable_if_t<
01094             !std::is_same<
01095             typename Ring::zero,
01096             typename P::aN
01097             >::value && (P::degree > 0)
01098         » {
01099             using type = P;
01100         };
01101
01102         // do not simplify constants
01103         template<typename P>
01104         struct simplify<P, std::enable_if_t<P::degree == 0» {
01105             using type = P;
01106         };
01107
01108         // addition at
01109         template<typename P1, typename P2, size_t index>
01110         struct add_at {
01111             using type =
01112                 typename Ring::template add_t<
01113                     typename P1::template coeff_at_t<index>,
01114                     typename P2::template coeff_at_t<index>>;
01115         };
01116
01117         template<typename P1, typename P2, size_t index>
```

```
01118         using add_at_t = typename add_at<P1, P2, index>::type;
01119
01120         template<typename P1, typename P2, std::size_t... I>
01121         struct add_low<P1, P2, std::index_sequence<I...>> {
01122             using type = val<add_at_t<P1, P2, I>...>;
01123         };
01124
01125         // substraction at
01126         template<typename P1, typename P2, size_t index>
01127         struct sub_at {
01128             using type =
01129                 typename Ring::template sub_t<
01130                     typename P1::template coeff_at_t<index>,
01131                     typename P2::template coeff_at_t<index>>;
01132         };
01133
01134         template<typename P1, typename P2, size_t index>
01135         using sub_at_t = typename sub_at<P1, P2, index>::type;
01136
01137         template<typename P1, typename P2, std::size_t... I>
01138         struct sub_low<P1, P2, std::index_sequence<I...>> {
01139             using type = val<sub_at_t<P1, P2, I>...>;
01140         };
01141
01142         template<typename P1, typename P2>
01143         struct sub {
01144             using type = typename simplify<typename sub_low<
01145             P1,
01146             P2,
01147             internal::make_index_sequence_reverse<
01148             std::max(P1::degree, P2::degree) + 1
01149             >>::type>::type;
01150         };
01151
01152         // multiplication at
01153         template<typename v1, typename v2, size_t k, size_t index, size_t stop>
01154         struct mul_at_loop_helper {
01155             using type = typename Ring::template add_t<
01156                 typename Ring::template mul_t<
01157                 typename v1::template coeff_at_t<index>,
01158                 typename v2::template coeff_at_t<k - index>
01159                 >,
01160                 typename mul_at_loop_helper<v1, v2, k, index + 1, stop>::type
01161             >;
01162         };
01163
01164         template<typename v1, typename v2, size_t k, size_t stop>
01165         struct mul_at_loop_helper<v1, v2, k, stop, stop> {
01166             using type = typename Ring::template mul_t<
01167                 typename v1::template coeff_at_t<stop>,
01168                 typename v2::template coeff_at_t<0>>;
01169         };
01170
01171         template <typename v1, typename v2, size_t k, typename E = void>
01172         struct mul_at {};
01173
01174         template<typename v1, typename v2, size_t k>
01175         struct mul_at<v1, v2, k, std::enable_if_t<(k < 0) || (k > v1::degree + v2::degree)>> {
01176             using type = typename Ring::zero;
01177         };
01178
01179         template<typename v1, typename v2, size_t k>
01180         struct mul_at<v1, v2, k, std::enable_if_t<(k >= 0) && (k <= v1::degree + v2::degree)>> {
01181             using type = typename mul_at_loop_helper<v1, v2, k, 0, k>::type;
01182         };
01183
01184         template<typename P1, typename P2, size_t index>
01185         using mul_at_t = typename mul_at<P1, P2, index>::type;
01186
01187         template<typename P1, typename P2, std::size_t... I>
01188         struct mul_low<P1, P2, std::index_sequence<I...>> {
01189             using type = val<mul_at_t<P1, P2, I>...>;
01190         };
01191
01192         // division helper
01193         template< typename A, typename B, typename Q, typename R, typename E = void>
01194         struct div_helper {};
01195
01196         template<typename A, typename B, typename Q, typename R>
01197         struct div_helper<A, B, Q, R, std::enable_if_t<
01198             (R::degree < B::degree) ||
01199             (R::degree == 0 && std::is_same<typename R::aN, typename Ring::zero>::value)>> {
01200             using q_type = Q;
01201             using mod_type = R;
01202             using gcd_type = B;
01203         };
01204
```

```
01205         template<typename A, typename B, typename Q, typename R>
01206         struct div_helper<A, B, Q, R, std::enable_if_t<
01207             (R::degree >= B::degree) &&
01208             !(R::degree == 0 && std::is_same<typename R::aN, typename Ring::zero>::value)» {
01209          private: // NOLINT
01210             using rN = typename R::aN;
01211             using bN = typename B::aN;
01212             using pT = typename monomial<typename Ring::template div_t<rN, bN>, R::degree -
      B::degree>::type;
01213             using rr = typename sub<R, typename mul<pT, B>::type>::type;
01214             using qq = typename add<Q, pT>::type;
01215
01216          public:
01217             using q_type = typename div_helper<A, B, qq, rr>::q_type;
01218             using mod_type = typename div_helper<A, B, qq, rr>::mod_type;
01219             using gcd_type = rr;
01220         };
01221
01222         template<typename A, typename B>
01223         struct div {
01224             static_assert(Ring::is_euclidean_domain, "cannot divide in that type of Ring");
01225             using q_type = typename div_helper<A, B, zero, A>::q_type;
01226             using m_type = typename div_helper<A, B, zero, A>::mod_type;
01227         };
01228
01229         template<typename P>
01230         struct make_unit {
01231             using type = typename div<P, val<typename P::aN>>::q_type;
01232         };
01233
01234         template<typename coeff, size_t deg>
01235         struct monomial {
01236             using type = typename mul<X, typename monomial<coeff, deg - 1>::type>::type;
01237         };
01238
01239         template<typename coeff>
01240         struct monomial<coeff, 0> {
01241             using type = val<coeff>;
01242         };
01243
01244         template<typename valueRing, typename P>
01245         struct eval_helper {
01246             template<size_t index, size_t stop>
01247             struct inner {
01248                 static constexpr valueRing func(const valueRing& accum, const valueRing& x) {
01249                     constexpr valueRing coeff =
01250                         static_cast<valueRing>(P::template coeff_at_t<P::degree - index>::template
      get<valueRing>());
01251                     return eval_helper<valueRing, P>::template inner<index + 1, stop>::func(x * accum
      + coeff, x);
01252                 }
01253             };
01254
01255             template<size_t stop>
01256             struct inner<stop, stop> {
01257                 static constexpr valueRing func(const valueRing& accum, const valueRing& x) {
01258                     return accum;
01259                 }
01260             };
01261         };
01262
01263         template<typename coeff, typename... coeffs>
01264         struct string_helper {
01265             static std::string func() {
01266                 std::string tail = string_helper<coeffs...>::func();
01267                 std::string result = "";
01268                 if (Ring::template eq_t<coeff, typename Ring::zero>::value) {
01269                     return tail;
01270                 } else if (Ring::template eq_t<coeff, typename Ring::one>::value) {
01271                     if (sizeof...(coeffs) == 1) {
01272                         result += std::string(1, variable_name);
01273                     } else {
01274                         result += std::string(1, variable_name) + "^" +
      std::to_string(sizeof...(coeffs));
01275                     }
01276                 } else {
01277                     if (sizeof...(coeffs) == 1) {
01278                         result += coeff::to_string() + " " + std::string(1, variable_name);
01279                     } else {
01280                         result += coeff::to_string()
01281                                 + " " + std::string(1, variable_name)
01282                                 + "^" + std::to_string(sizeof...(coeffs));
01283                     }
01284                 }
01285
01286                 if (!tail.empty()) {
01287                     result += " + " + tail;
```

```
01288                 }
01289
01290                 return result;
01291             }
01292         };
01293
01294         template<typename coeff>
01295         struct string_helper<coeff> {
01296             static std::string func() {
01297                 if (!std::is_same<coeff, typename Ring::zero>::value) {
01298                     return coeff::to_string();
01299                 } else {
01300                     return "";
01301                 }
01302             }
01303         };
01304
01305      public:
01308         template<typename P>
01309         using simplify_t = typename simplify<P>::type;
01310
01314         template<typename v1, typename v2>
01315         using add_t = typename add<v1, v2>::type;
01316
01320         template<typename v1, typename v2>
01321         using sub_t = typename sub<v1, v2>::type;
01322
01326         template<typename v1, typename v2>
01327         using mul_t = typename mul<v1, v2>::type;
01328
01332         template<typename v1, typename v2>
01333         using eq_t = typename eq_helper<v1, v2>::type;
01334
01338         template<typename v1, typename v2>
01339         using lt_t = typename lt_helper<v1, v2>::type;
01340
01344         template<typename v1, typename v2>
01345         using gt_t = typename gt_helper<v1, v2>::type;
01346
01350         template<typename v1, typename v2>
01351         using div_t = typename div<v1, v2>::q_type;
01352
01356         template<typename v1, typename v2>
01357         using mod_t = typename div_helper<v1, v2, zero, v1>::mod_type;
01358
01362         template<typename coeff, size_t deg>
01363         using monomial_t = typename monomial<coeff, deg>::type;
01364
01367         template<typename v>
01368         using derive_t = typename derive_helper<v>::type;
01369
01372         template<typename v>
01373         using pos_t = typename Ring::template pos_t<typename v::aN>;
01374
01375         template<typename v>
01376         static constexpr bool pos_v = pos_t<v>::value;
01377
01381         template<typename v1, typename v2>
01382         using gcd_t = std::conditional_t<
01383             Ring::is_euclidean_domain,
01384             typename make_unit<gcd_t<polynomial<Ring, variable_name>, v1, v2»::type,
01385             void>;
01386
01390         template<auto x>
01391         using inject_constant_t = val<typename Ring::template inject_constant_t<x>>;
01392
01396         template<typename v>
01397         using inject_ring_t = val<v>;
01398     };
01399 }  // namespace aerobus
01400
01401 // fraction field
01402 namespace aerobus {
01403     namespace internal {
01404         template<typename Ring, typename E = void>
01405         requires IsEuclideanDomain<Ring>
01406         struct _FractionField {};
01407
01408         template<typename Ring>
01409         requires IsEuclideanDomain<Ring>
01410         struct _FractionField<Ring, std::enable_if_t<Ring::is_euclidean_domain» {
01412             static constexpr bool is_field = true;
01413             static constexpr bool is_euclidean_domain = true;
01414
01415          private:
01416             template<typename val1, typename val2, typename E = void>
01417             struct to_string_helper {};
```

```
01418
01419             template<typename val1, typename val2>
01420             struct to_string_helper <val1, val2,
01421                 std::enable_if_t<
01422                 Ring::template eq_t<
01423                 val2, typename Ring::one
01424                 >::value
01425                 >
01426             > {
01427                 static std::string func() {
01428                     return val1::to_string();
01429                 }
01430             };
01431
01432             template<typename val1, typename val2>
01433             struct to_string_helper<val1, val2,
01434                 std::enable_if_t<
01435                 !Ring::template eq_t<
01436                 val2,
01437                 typename Ring::one
01438                 >::value
01439                 >
01440             > {
01441                 static std::string func() {
01442                     return "(" + val1::to_string() + ") / (" + val2::to_string() + ")";
01443                 }
01444             };
01445
01446          public:
01450             template<typename val1, typename val2>
01451             struct val {
01452                 using x = val1;
01453                 using y = val2;
01455                 using is_zero_t = typename val1::is_zero_t;
01457                 static constexpr bool is_zero_v = val1::is_zero_t::value;
01458
01459                 using ring_type = Ring;
01460                 using field_type = _FractionField<Ring>;
01461
01463                  static constexpr bool is_integer = std::is_same<val2, typename Ring::one>::value;
01464
01468                 template<typename valueType>
01469                 static constexpr valueType get() { return static_cast<valueType>(x::v) /
      static_cast<valueType>(y::v); }
01470
01473                 static std::string to_string() {
01474                     return to_string_helper<val1, val2>::func();
01475                 }
01476
01481                 template<typename valueRing>
01482                 static constexpr valueRing eval(const valueRing& v) {
01483                     return x::eval(v) / y::eval(v);
01484                 }
01485             };
01486
01488             using zero = val<typename Ring::zero, typename Ring::one>;
01490             using one = val<typename Ring::one, typename Ring::one>;
01491
01494             template<typename v>
01495             using inject_t = val<v, typename Ring::one>;
01496
01499             template<auto x>
01500             using inject_constant_t = val<typename Ring::template inject_constant_t<x>, typename
      Ring::one>;
01501
01504             template<typename v>
01505             using inject_ring_t = val<typename Ring::template inject_ring_t<v>, typename Ring::one>;
01506
01507             using ring_type = Ring;
01508
01509          private:
01510             template<typename v, typename E = void>
01511             struct simplify {};
01512
01513             // x = 0
01514             template<typename v>
01515             struct simplify<v, std::enable_if_t<v::x::is_zero_t::value» {
01516                 using type = typename _FractionField<Ring>::zero;
01517             };
01518
01519             // x != 0
01520             template<typename v>
01521             struct simplify<v, std::enable_if_t<!v::x::is_zero_t::value» {
01522              private:
01523                 using _gcd = typename Ring::template gcd_t<typename v::x, typename v::y>;
01524                 using newx = typename Ring::template div_t<typename v::x, _gcd>;
01525                 using newy = typename Ring::template div_t<typename v::y, _gcd>;
```

```
01526
01527                using posx = std::conditional_t<
01528                                    !Ring::template pos_v<newy>,
01529                                    typename Ring::template sub_t<typename Ring::zero, newx>,
01530                                    newx>;
01531                using posy = std::conditional_t<
01532                                    !Ring::template pos_v<newy>,
01533                                    typename Ring::template sub_t<typename Ring::zero, newy>,
01534                                    newy>;
01535             public:
01536                using type = typename _FractionField<Ring>::template val<posx, posy>;
01537            };
01538
01539         public:
01540            template<typename v>
01541            using simplify_t = typename simplify<v>::type;
01542
01543         private:
01544            template<typename v1, typename v2>
01545            struct add {
01546             private:
01547                using a = typename Ring::template mul_t<typename v1::x, typename v2::y>;
01548                using b = typename Ring::template mul_t<typename v1::y, typename v2::x>;
01549                using dividend = typename Ring::template add_t<a, b>;
01550                using diviser = typename Ring::template mul_t<typename v1::y, typename v2::y>;
01551                using g = typename Ring::template gcd_t<dividend, diviser>;
01552
01553             public:
01554                using type = typename _FractionField<Ring>::template simplify_t<val<dividend,
     diviser»;
01555            };
01556
01557            template<typename v>
01558            struct pos {
01559                using type = std::conditional_t<
01560                    (Ring::template pos_v<typename v::x> && Ring::template pos_v<typename v::y>) ||
01561                    (!Ring::template pos_v<typename v::x> && !Ring::template pos_v<typename v::y>),
01562                    std::true_type,
01563                    std::false_type>;
01564            };
01565
01566            template<typename v1, typename v2>
01567            struct sub {
01568             private:
01569                using a = typename Ring::template mul_t<typename v1::x, typename v2::y>;
01570                using b = typename Ring::template mul_t<typename v1::y, typename v2::x>;
01571                using dividend = typename Ring::template sub_t<a, b>;
01572                using diviser = typename Ring::template mul_t<typename v1::y, typename v2::y>;
01573                using g = typename Ring::template gcd_t<dividend, diviser>;
01574
01575             public:
01576                using type = typename _FractionField<Ring>::template simplify_t<val<dividend,
     diviser»;
01577            };
01578
01579            template<typename v1, typename v2>
01580            struct mul {
01581             private:
01582                using a = typename Ring::template mul_t<typename v1::x, typename v2::x>;
01583                using b = typename Ring::template mul_t<typename v1::y, typename v2::y>;
01584
01585             public:
01586                using type = typename _FractionField<Ring>::template simplify_t<val<a, b»;
01587            };
01588
01589            template<typename v1, typename v2, typename E = void>
01590            struct div {};
01591
01592            template<typename v1, typename v2>
01593            struct div<v1, v2, std::enable_if_t<!std::is_same<v2, typename
     _FractionField<Ring>::zero>::value»  {
01594             private:
01595                using a = typename Ring::template mul_t<typename v1::x, typename v2::y>;
01596                using b = typename Ring::template mul_t<typename v1::y, typename v2::x>;
01597
01598             public:
01599                using type = typename _FractionField<Ring>::template simplify_t<val<a, b»;
01600            };
01601
01602            template<typename v1, typename v2>
01603            struct div<v1, v2, std::enable_if_t<
01604                std::is_same<zero, v1>::value && std::is_same<v2, zero>::value»  {
01605                using type = one;
01606            };
01607
01608            template<typename v1, typename v2>
01609            struct eq {
01610
01611
```

```
01612                 using type = std::conditional_t<
01613                         std::is_same<typename simplify_t<v1>::x, typename simplify_t<v2>::x>::value &&
01614                         std::is_same<typename simplify_t<v1>::y, typename simplify_t<v2>::y>::value,
01615                     std::true_type,
01616                     std::false_type>;
01617             };
01618 
01619             template<typename TL, typename E = void>
01620             struct vadd {};
01621 
01622             template<typename TL>
01623             struct vadd<TL, std::enable_if_t<(TL::length > 1)» {
01624                 using head = typename TL::pop_front::type;
01625                 using tail = typename TL::pop_front::tail;
01626                 using type = typename add<head, typename vadd<tail>::type>::type;
01627             };
01628 
01629             template<typename TL>
01630             struct vadd<TL, std::enable_if_t<(TL::length == 1)» {
01631                 using type = typename TL::template at<0>;
01632             };
01633 
01634             template<typename... vals>
01635             struct vmul {};
01636 
01637             template<typename v1, typename... vals>
01638             struct vmul<v1, vals...> {
01639                 using type = typename mul<v1, typename vmul<vals...>::type>::type;
01640             };
01641 
01642             template<typename v1>
01643             struct vmul<v1> {
01644                 using type = v1;
01645             };
01646 
01647 
01648             template<typename v1, typename v2, typename E = void>
01649             struct gt;
01650 
01651             template<typename v1, typename v2>
01652             struct gt<v1, v2, std::enable_if_t<
01653                 (eq<v1, v2>::type::value)
01654                 » {
01655                 using type = std::false_type;
01656             };
01657 
01658             template<typename v1, typename v2>
01659             struct gt<v1, v2, std::enable_if_t<
01660                 (!eq<v1, v2>::type::value) &&
01661                 (!pos<v1>::type::value) && (!pos<v2>::type::value)
01662                 » {
01663                 using type = typename gt<
01664                     typename sub<zero, v1>::type, typename sub<zero, v2>::type
01665                 >::type;
01666             };
01667 
01668             template<typename v1, typename v2>
01669             struct gt<v1, v2, std::enable_if_t<
01670                 (!eq<v1, v2>::type::value) &&
01671                 (pos<v1>::type::value) && (!pos<v2>::type::value)
01672                 » {
01673                 using type = std::true_type;
01674             };
01675 
01676             template<typename v1, typename v2>
01677             struct gt<v1, v2, std::enable_if_t<
01678                 (!eq<v1, v2>::type::value) &&
01679                 (!pos<v1>::type::value) && (pos<v2>::type::value)
01680                 » {
01681                 using type = std::false_type;
01682             };
01683 
01684             template<typename v1, typename v2>
01685             struct gt<v1, v2, std::enable_if_t<
01686                 (!eq<v1, v2>::type::value) &&
01687                 (pos<v1>::type::value) && (pos<v2>::type::value)
01688                 » {
01689                 using type = typename Ring::template gt_t<
01690                     typename Ring::template mul_t<v1::x, v2::y>,
01691                     typename Ring::template mul_t<v2::y, v2::x>
01692                 >;
01693             };
01694 
01695         public:
01697             template<typename v1, typename v2>
01698             using add_t = typename add<v1, v2>::type;
01700             template<typename v1, typename v2>
```

```
01701             using mod_t = zero;
01705             template<typename v1, typename v2>
01706             using gcd_t = v1;
01709             template<typename... vs>
01710             using vadd_t = typename vadd<vs...>::type;
01713             template<typename... vs>
01714             using vmul_t = typename vmul<vs...>::type;
01716             template<typename v1, typename v2>
01717             using sub_t = typename sub<v1, v2>::type;
01719             template<typename v1, typename v2>
01720             using mul_t = typename mul<v1, v2>::type;
01722             template<typename v1, typename v2>
01723             using div_t = typename div<v1, v2>::type;
01725             template<typename v1, typename v2>
01726             using eq_t = typename eq<v1, v2>::type;
01728             template<typename v1, typename v2>
01729             static constexpr bool eq_v = eq<v1, v2>::type::value;
01731             template<typename v1, typename v2>
01732             using gt_t = typename gt<v1, v2>::type;
01734             template<typename v1, typename v2>
01735             static constexpr bool gt_v = gt<v1, v2>::type::value;
01737             template<typename v1>
01738             using pos_t = typename pos<v1>::type;
01740             template<typename v>
01741             static constexpr bool pos_v = pos_t<v>::value;
01742         };
01743
01744         template<typename Ring, typename E = void>
01745         requires IsEuclideanDomain<Ring>
01746         struct FractionFieldImpl {};
01747
01748         // fraction field of a field is the field itself
01749         template<typename Field>
01750         requires IsEuclideanDomain<Field>
01751         struct FractionFieldImpl<Field, std::enable_if_t<Field::is_field>> {
01752             using type = Field;
01753             template<typename v>
01754             using inject_t = v;
01755         };
01756
01757         // fraction field of a ring is the actual fraction field
01758         template<typename Ring>
01759         requires IsEuclideanDomain<Ring>
01760         struct FractionFieldImpl<Ring, std::enable_if_t<!Ring::is_field>> {
01761             using type = _FractionField<Ring>;
01762         };
01763     }  // namespace internal
01764
01765     template<typename Ring>
01766     requires IsEuclideanDomain<Ring>
01767     using FractionField = typename internal::FractionFieldImpl<Ring>::type;
01768 }  // namespace aerobus
01769
01770 // short names for common types
01771 namespace aerobus {
01773     using q32 = FractionField<i32>;
01775     using fpq32 = FractionField<polynomial<q32>>;
01777     using q64 = FractionField<i64>;
01779     using pi64 = polynomial<i64>;
01781     using fpq64 = FractionField<polynomial<q64>>;
01786     template<typename Ring, typename v1, typename v2>
01787     using makefraction_t = typename FractionField<Ring>::template val<v1, v2>;
01788
01789     template<typename Ring, typename v1, typename v2>
01790     using addfractions_t = typename FractionField<Ring>::template add_t<v1, v2>;
01791     template<typename Ring, typename v1, typename v2>
01792     using mulfractions_t = typename FractionField<Ring>::template mul_t<v1, v2>;
01793 }  // namespace aerobus
01794
01795 // taylor series and common integers (factorial, bernouilli...) appearing in taylor coefficients
01796 namespace aerobus {
01797     namespace internal {
01798         template<typename T, size_t x, typename E = void>
01799         struct factorial {};
01800
01801         template<typename T, size_t x>
01802         struct factorial<T, x, std::enable_if_t<(x > 0)>> {
01803         private:
01804             template<typename, size_t, typename>
01805             friend struct factorial;
01806         public:
01807             using type = typename T::template mul_t<typename T::template val<x>, typename factorial<T,
      x - 1>::type>;
01808             static constexpr typename T::inner_type value = type::template get<typename
      T::inner_type>();
01809         };
01810
```

```
01811         template<typename T>
01812         struct factorial<T, 0> {
01813          public:
01814             using type = typename T::one;
01815             static constexpr typename T::inner_type value = type::template get<typename
      T::inner_type>();
01816         };
01817     }  // namespace internal
01818
01822     template<typename T, size_t i>
01823     using factorial_t = typename internal::factorial<T, i>::type;
01824
01825     template<typename T, size_t i>
01826     inline constexpr typename T::inner_type factorial_v = internal::factorial<T, i>::value;
01827
01828     namespace internal {
01829         template<typename T, size_t k, size_t n, typename E = void>
01830         struct combination_helper {};
01831
01832         template<typename T, size_t k, size_t n>
01833         struct combination_helper<T, k, n, std::enable_if_t<(n >= 0 && k <= (n / 2) && k > 0)» {
01834             using type = typename FractionField<T>::template mul_t<
01835                 typename combination_helper<T, k - 1, n - 1>::type,
01836                 makefraction_t<T, typename T::template val<n>, typename T::template val<k»>;
01837         };
01838
01839         template<typename T, size_t k, size_t n>
01840         struct combination_helper<T, k, n, std::enable_if_t<(n >= 0 && k > (n / 2) && k > 0)» {
01841             using type = typename combination_helper<T, n - k, n>::type;
01842         };
01843
01844         template<typename T, size_t n>
01845         struct combination_helper<T, 0, n> {
01846             using type = typename FractionField<T>::one;
01847         };
01848
01849         template<typename T, size_t k, size_t n>
01850         struct combination {
01851             using type = typename internal::combination_helper<T, k, n>::type::x;
01852             static constexpr typename T::inner_type value =
01853                         internal::combination_helper<T, k, n>::type::template get<typename
      T::inner_type>();
01854         };
01855     }  // namespace internal
01856
01859     template<typename T, size_t k, size_t n>
01860     using combination_t = typename internal::combination<T, k, n>::type;
01861
01862     template<typename T, size_t k, size_t n>
01863     inline constexpr typename T::inner_type combination_v = internal::combination<T, k, n>::value;
01864
01865     namespace internal {
01866         template<typename T, size_t m>
01867         struct bernouilli;
01868
01869         template<typename T, typename accum, size_t k, size_t m>
01870         struct bernouilli_helper {
01871             using type = typename bernouilli_helper<
01872                 T,
01873                 addfractions_t<T,
01874                     accum,
01875                     mulfractions_t<T,
01876                         makefraction_t<T,
01877                             combination_t<T, k, m + 1>,
01878                             typename T::one>,
01879                         typename bernouilli<T, k>::type
01880                     >
01881                 >,
01882                 k + 1,
01883                 m>::type;
01884         };
01885
01886         template<typename T, typename accum, size_t m>
01887         struct bernouilli_helper<T, accum, m, m> {
01888             using type = accum;
01889         };
01890
01891
01892
01893         template<typename T, size_t m>
01894         struct bernouilli {
01895             using type = typename FractionField<T>::template mul_t<
01896                 typename internal::bernouilli_helper<T, typename FractionField<T>::zero, 0, m>::type,
01897                 makefraction_t<T,
01898                 typename T::template val<static_cast<typename T::inner_type>(-1)>,
01899                 typename T::template val<static_cast<typename T::inner_type>(m + 1)>
01900                 >
```

```
01901             >;
01902
01903             template<typename floatType>
01904             static constexpr floatType value = type::template get<floatType>();
01905         };
01906
01907         template<typename T>
01908         struct bernouilli<T, 0> {
01909             using type = typename FractionField<T>::one;
01910
01911             template<typename floatType>
01912             static constexpr floatType value = type::template get<floatType>();
01913         };
01914     }  // namespace internal
01915
01919     template<typename T, size_t n>
01920     using bernouilli_t = typename internal::bernouilli<T, n>::type;
01921
01922     template<typename FloatType, typename T, size_t n >
01923     inline constexpr FloatType bernouilli_v = internal::bernouilli<T, n>::template value<FloatType>;
01924
01925     namespace internal {
01926         template<typename T, int k, typename E = void>
01927         struct alternate {};
01928
01929         template<typename T, int k>
01930         struct alternate<T, k, std::enable_if_t<k % 2 == 0» {
01931             using type = typename T::one;
01932             static constexpr typename T::inner_type value = type::template get<typename
      T::inner_type>();
01933         };
01934
01935         template<typename T, int k>
01936         struct alternate<T, k, std::enable_if_t<k % 2 != 0» {
01937             using type = typename T::template sub_t<typename T::zero, typename T::one>;
01938             static constexpr typename T::inner_type value = type::template get<typename
      T::inner_type>();
01939         };
01940     }  // namespace internal
01941
01944     template<typename T, int k>
01945     using alternate_t = typename internal::alternate<T, k>::type;
01946
01947     template<typename T, size_t k>
01948     inline constexpr typename T::inner_type alternate_v = internal::alternate<T, k>::value;
01949
01950     // pow
01951     namespace internal {
01952         template<typename T, auto p, auto n>
01953         struct pow {
01954             using type = typename T::template mul_t<typename T::template val<p>, typename pow<T, p, n
      - 1>::type>;
01955         };
01956
01957         template<typename T, auto p>
01958         struct pow<T, p, 0> { using type = typename T::one; };
01959     }
01960
01961     template<typename T, auto p, auto n>
01962     using pow_t = typename internal::pow<T, p, n>::type;
01963
01964     namespace internal {
01965         template<typename, template<typename, size_t> typename, class>
01966         struct make_taylor_impl;
01967
01968         template<typename T, template<typename, size_t> typename coeff_at, size_t... Is>
01969         struct make_taylor_impl<T, coeff_at, std::integer_sequence<size_t, Is...» {
01970             using type = typename polynomial<FractionField<T»::template val<typename coeff_at<T,
      Is>::type...>;
01971         };
01972     }
01973
01974     // generic taylor serie, depending on coefficients
01975     template<typename T, template<typename, size_t index> typename coeff_at, size_t deg>
01976     using taylor = typename internal::make_taylor_impl<
01977         T,
01978         coeff_at,
01979         internal::make_index_sequence_reverse<deg + 1»::type;
01980
01981     namespace internal {
01982         template<typename T, size_t i>
01983         struct exp_coeff {
01984             using type = makefraction_t<T, typename T::one, factorial_t<T, i»;
01985         };
01986
01987         template<typename T, size_t i, typename E = void>
01988         struct sin_coeff_helper {};
```

```
01989
01990         template<typename T, size_t i>
01991         struct sin_coeff_helper<T, i, std::enable_if_t<(i & 1) == 0» {
01992             using type = typename FractionField<T>::zero;
01993         };
01994
01995         template<typename T, size_t i>
01996         struct sin_coeff_helper<T, i, std::enable_if_t<(i & 1) == 1» {
01997             using type = makefraction_t<T, alternate_t<T, i / 2>, factorial_t<T, i»;
01998         };
01999
02000         template<typename T, size_t i>
02001         struct sin_coeff {
02002             using type = typename sin_coeff_helper<T, i>::type;
02003         };
02004
02005         template<typename T, size_t i, typename E = void>
02006         struct sh_coeff_helper {};
02007
02008         template<typename T, size_t i>
02009         struct sh_coeff_helper<T, i, std::enable_if_t<(i & 1) == 0» {
02010             using type = typename FractionField<T>::zero;
02011         };
02012
02013         template<typename T, size_t i>
02014         struct sh_coeff_helper<T, i, std::enable_if_t<(i & 1) == 1» {
02015             using type = makefraction_t<T, typename T::one, factorial_t<T, i»;
02016         };
02017
02018         template<typename T, size_t i>
02019         struct sh_coeff {
02020             using type = typename sh_coeff_helper<T, i>::type;
02021         };
02022
02023         template<typename T, size_t i, typename E = void>
02024         struct cos_coeff_helper {};
02025
02026         template<typename T, size_t i>
02027         struct cos_coeff_helper<T, i, std::enable_if_t<(i & 1) == 1» {
02028             using type = typename FractionField<T>::zero;
02029         };
02030
02031         template<typename T, size_t i>
02032         struct cos_coeff_helper<T, i, std::enable_if_t<(i & 1) == 0» {
02033             using type = makefraction_t<T, alternate_t<T, i / 2>, factorial_t<T, i»;
02034         };
02035
02036         template<typename T, size_t i>
02037         struct cos_coeff {
02038             using type = typename cos_coeff_helper<T, i>::type;
02039         };
02040
02041         template<typename T, size_t i, typename E = void>
02042         struct cosh_coeff_helper {};
02043
02044         template<typename T, size_t i>
02045         struct cosh_coeff_helper<T, i, std::enable_if_t<(i & 1) == 1» {
02046             using type = typename FractionField<T>::zero;
02047         };
02048
02049         template<typename T, size_t i>
02050         struct cosh_coeff_helper<T, i, std::enable_if_t<(i & 1) == 0» {
02051             using type = makefraction_t<T, typename T::one, factorial_t<T, i»;
02052         };
02053
02054         template<typename T, size_t i>
02055         struct cosh_coeff {
02056             using type = typename cosh_coeff_helper<T, i>::type;
02057         };
02058
02059         template<typename T, size_t i>
02060         struct geom_coeff { using type = typename FractionField<T>::one; };
02061
02062
02063         template<typename T, size_t i, typename E = void>
02064         struct atan_coeff_helper;
02065
02066         template<typename T, size_t i>
02067         struct atan_coeff_helper<T, i, std::enable_if_t<(i & 1) == 1» {
02068             using type = makefraction_t<T, alternate_t<T, i / 2>, typename T::template val<i»;
02069         };
02070
02071         template<typename T, size_t i>
02072         struct atan_coeff_helper<T, i, std::enable_if_t<(i & 1) == 0» {
02073             using type = typename FractionField<T>::zero;
02074         };
02075
```

```
02076         template<typename T, size_t i>
02077         struct atan_coeff { using type = typename atan_coeff_helper<T, i>::type; };
02078
02079         template<typename T, size_t i, typename E = void>
02080         struct asin_coeff_helper;
02081
02082         template<typename T, size_t i>
02083         struct asin_coeff_helper<T, i, std::enable_if_t<(i & 1) == 1» {
02084             using type = makefraction_t<T,
02085                 factorial_t<T, i - 1>,
02086                 typename T::template mul_t<
02087                     typename T::template val<i>,
02088                     T::template mul_t<
02089                         pow_t<T, 4, i / 2>,
02090                         pow<T, factorial<T, i / 2>::value, 2
02091                     >
02092                 >
02093                 »;
02094         };
02095
02096         template<typename T, size_t i>
02097         struct asin_coeff_helper<T, i, std::enable_if_t<(i & 1) == 0» {
02098             using type = typename FractionField<T>::zero;
02099         };
02100
02101         template<typename T, size_t i>
02102         struct asin_coeff {
02103             using type = typename asin_coeff_helper<T, i>::type;
02104         };
02105
02106         template<typename T, size_t i>
02107         struct lnp1_coeff {
02108             using type = makefraction_t<T,
02109                 alternate_t<T, i + 1>,
02110                 typename T::template val<i»;
02111         };
02112
02113         template<typename T>
02114         struct lnp1_coeff<T, 0> { using type = typename FractionField<T>::zero; };
02115
02116         template<typename T, size_t i, typename E = void>
02117         struct asinh_coeff_helper;
02118
02119         template<typename T, size_t i>
02120         struct asinh_coeff_helper<T, i, std::enable_if_t<(i & 1) == 1» {
02121             using type = makefraction_t<T,
02122                 typename T::template mul_t<
02123                     alternate_t<T, i / 2>,
02124                     factorial_t<T, i - 1>
02125                 >,
02126                 typename T::template mul_t<
02127                     T::template mul_t<
02128                         typename T::template val<i>,
02129                         pow_t<T, (factorial<T, i / 2>::value), 2>
02130                     >,
02131                     pow_t<T, 4, i / 2>
02132                 >
02133             >;
02134         };
02135
02136         template<typename T, size_t i>
02137         struct asinh_coeff_helper<T, i, std::enable_if_t<(i & 1) == 0» {
02138             using type = typename FractionField<T>::zero;
02139         };
02140
02141         template<typename T, size_t i>
02142         struct asinh_coeff {
02143             using type = typename asinh_coeff_helper<T, i>::type;
02144         };
02145
02146         template<typename T, size_t i, typename E = void>
02147         struct atanh_coeff_helper;
02148
02149         template<typename T, size_t i>
02150         struct atanh_coeff_helper<T, i, std::enable_if_t<(i & 1) == 1» {
02151             // 1/i
02152             using type = typename FractionField<T>:: template val<
02153                 typename T::one,
02154                 typename T::template val<static_cast<typename T::inner_type>(i)»;
02155         };
02156
02157         template<typename T, size_t i>
02158         struct atanh_coeff_helper<T, i, std::enable_if_t<(i & 1) == 0» {
02159             using type = typename FractionField<T>::zero;
02160         };
02161
02162         template<typename T, size_t i>
```

```
02163         struct atanh_coeff {
02164             using type = typename asinh_coeff_helper<T, i>::type;
02165         };
02166 
02167         template<typename T, size_t i, typename E = void>
02168         struct tan_coeff_helper;
02169 
02170         template<typename T, size_t i>
02171         struct tan_coeff_helper<T, i, std::enable_if_t<(i % 2) == 0» {
02172             using type = typename FractionField<T>::zero;
02173         };
02174 
02175         template<typename T, size_t i>
02176         struct tan_coeff_helper<T, i, std::enable_if_t<(i % 2) != 0» {
02177         private:
02178             // 4^((i+1)/2)
02179             using _4p = typename FractionField<T>::template inject_t<pow_t<T, 4, (i + 1) / 2»;
02180             // 4^((i+1)/2) - 1
02181             using _4pm1 = typename FractionField<T>::template sub_t<_4p, typename
      FractionField<T>::one>;
02182             // (-1)^((i-1)/2)
02183             using altp = typename FractionField<T>::template inject_t<alternate_t<T, (i - 1) / 2»;
02184             using dividend = typename FractionField<T>::template mul_t<
02185                 altp,
02186                 FractionField<T>::template mul_t<
02187                 _4p,
02188                 FractionField<T>::template mul_t<
02189                 _4pm1,
02190                 bernouilli_t<T, (i + 1)>
02191                 >
02192                 >
02193             >;
02194         public:
02195             using type = typename FractionField<T>::template div_t<dividend,
02196                 typename FractionField<T>::template inject_t<factorial_t<T, i + 1»>;
02197         };
02198 
02199         template<typename T, size_t i>
02200         struct tan_coeff {
02201             using type = typename tan_coeff_helper<T, i>::type;
02202         };
02203 
02204         template<typename T, size_t i, typename E = void>
02205         struct tanh_coeff_helper;
02206 
02207         template<typename T, size_t i>
02208         struct tanh_coeff_helper<T, i, std::enable_if_t<(i % 2) == 0» {
02209             using type = typename FractionField<T>::zero;
02210         };
02211 
02212         template<typename T, size_t i>
02213         struct tanh_coeff_helper<T, i, std::enable_if_t<(i % 2) != 0» {
02214         private:
02215             using _4p = typename FractionField<T>::template inject_t<pow_t<T, 4, (i + 1) / 2»;
02216             using _4pm1 = typename FractionField<T>::template sub_t<_4p, typename
      FractionField<T>::one>;
02217             using dividend =
02218                 typename FractionField<T>::template mul_t<
02219                 _4p,
02220                 typename FractionField<T>::template mul_t<
02221                 _4pm1,
02222                 bernouilli_t<T, (i + 1)>
02223                 >
02224                 >::type;
02225         public:
02226             using type = typename FractionField<T>::template div_t<dividend,
02227                 FractionField<T>::template inject_t<factorial_t<T, i + 1»>;
02228         };
02229 
02230         template<typename T, size_t i>
02231         struct tanh_coeff {
02232             using type = typename tanh_coeff_helper<T, i>::type;
02233         };
02234     }  // namespace internal
02235 
02239     template<typename T, size_t deg>
02240     using exp = taylor<T, internal::exp_coeff, deg>;
02241 
02245     template<typename T, size_t deg>
02246     using expm1 = typename polynomial<FractionField<T»::template sub_t<
02247         exp<T, deg>,
02248         typename polynomial<FractionField<T»::one>;
02249 
02253     template<typename T, size_t deg>
02254     using lnp1 = taylor<T, internal::lnp1_coeff, deg>;
02255 
02259     template<typename T, size_t deg>
```

```
02260     using atan = taylor<T, internal::atan_coeff, deg>;
02261
02265     template<typename T, size_t deg>
02266     using sin = taylor<T, internal::sin_coeff, deg>;
02267
02271     template<typename T, size_t deg>
02272     using sinh = taylor<T, internal::sh_coeff, deg>;
02273
02277     template<typename T, size_t deg>
02278     using cosh = taylor<T, internal::cosh_coeff, deg>;
02279
02283     template<typename T, size_t deg>
02284     using cos = taylor<T, internal::cos_coeff, deg>;
02285
02289     template<typename T, size_t deg>
02290     using geometric_sum = taylor<T, internal::geom_coeff, deg>;
02291
02295     template<typename T, size_t deg>
02296     using asin = taylor<T, internal::asin_coeff, deg>;
02297
02301     template<typename T, size_t deg>
02302     using asinh = taylor<T, internal::asinh_coeff, deg>;
02303
02307     template<typename T, size_t deg>
02308     using atanh = taylor<T, internal::atanh_coeff, deg>;
02309
02313     template<typename T, size_t deg>
02314     using tan = taylor<T, internal::tan_coeff, deg>;
02315
02319     template<typename T, size_t deg>
02320     using tanh = taylor<T, internal::tanh_coeff, deg>;
02321 }  // namespace aerobus
02322
02323 // continued fractions
02324 namespace aerobus {
02327     template<int64_t... values>
02328     struct ContinuedFraction {};
02329
02330     template<int64_t a0>
02331     struct ContinuedFraction<a0> {
02332         using type = typename q64::template inject_constant_t<a0>;
02333         static constexpr double val = type::template get<double>();
02334     };
02335
02336     template<int64_t a0, int64_t... rest>
02337     struct ContinuedFraction<a0, rest...> {
02338         using type = q64::template add_t<
02339                 typename q64::template inject_constant_t<a0>,
02340                 typename q64::template div_t<
02341                     typename q64::one,
02342                     typename ContinuedFraction<rest...>::type
02343                 »;
02344         static constexpr double val = type::template get<double>();
02345     };
02346
02351     using PI_fraction =
      ContinuedFraction<3, 7, 15, 1, 292, 1, 1, 1, 2, 1, 3, 1, 14, 2, 1, 1, 2, 2, 2, 2, 1>;
02354     using E_fraction =
      ContinuedFraction<2, 1, 2, 1, 1, 4, 1, 1, 6, 1, 1, 8, 1, 1, 10, 1, 1, 12, 1, 1, 14, 1, 1>;
02356     using SQRT2_fraction =
      ContinuedFraction<1, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2>;
02358     using SQRT3_fraction =
      ContinuedFraction<1, 1, 2, 1, 2, 1, 2, 1, 2, 1, 2, 1, 2, 1, 2, 1, 2, 1, 2, 1, 2, 1, 2, 1, 2, 1, 2, 1, 2, 1, 2>;
      // NOLINT
02359 }  // namespace aerobus
02360
02361 // known polynomials
02362 namespace aerobus {
02363     namespace internal {
02364         template<int kind, int deg>
02365         struct chebyshev_helper {
02366             using type = typename pi64::template sub_t<
02367                 typename pi64::template mul_t<
02368                     typename pi64::template mul_t<
02369                         pi64::inject_constant_t<2>,
02370                         typename pi64::X
02371                     >,
02372                     typename chebyshev_helper<kind, deg-1>::type
02373                 >,
02374                 typename chebyshev_helper<kind, deg-2>::type
02375             >;
02376         };
02377
02378         template<>
02379         struct chebyshev_helper<1, 0> {
02380             using type = typename pi64::one;
02381         };
```

```
02382
02383         template<>
02384         struct chebyshev_helper<1, 1> {
02385             using type = typename pi64::X;
02386         };
02387
02388         template<>
02389         struct chebyshev_helper<2, 0> {
02390             using type = typename pi64::one;
02391         };
02392
02393         template<>
02394         struct chebyshev_helper<2, 1> {
02395             using type = typename pi64::template mul_t<
02396                             typename pi64::inject_constant_t<2>,
02397                             typename pi64::X>;
02398         };
02399     }  // namespace internal
02400
02403     template<size_t deg>
02404     using chebyshev_T = typename internal::chebyshev_helper<1, deg>::type;
02405
02408     template<size_t deg>
02409     using chebyshev_U = typename internal::chebyshev_helper<2, deg>::type;
02410 }  // namespace aerobus
02411
02412
02413 #ifdef AEROBUS_CONWAY_IMPORTS
02414 template<int p, int n>
02415 struct ConwayPolynomial;
02416
02417 #define ZPZV ZPZ::template val
02418 #define POLYV aerobus::polynomial<ZPZ>::template val
02419 template<> struct ConwayPolynomial<2, 1> { using ZPZ = aerobus::zpz<2>; using type = POLYV<ZPZV<1>,
      ZPZV<1»; };  // NOLINT
02420 template<> struct ConwayPolynomial<2, 2> { using ZPZ = aerobus::zpz<2>; using type = POLYV<ZPZV<1>,
      ZPZV<1>, ZPZV<1»; }; // NOLINT
02421 template<> struct ConwayPolynomial<2, 3> { using ZPZ = aerobus::zpz<2>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<1>, ZPZV<1»; };  // NOLINT
02422 template<> struct ConwayPolynomial<2, 4> { using ZPZ = aerobus::zpz<2>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<1»; };  // NOLINT
02423 template<> struct ConwayPolynomial<2, 5> { using ZPZ = aerobus::zpz<2>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<0>, ZPZV<1»; };  // NOLINT
02424 template<> struct ConwayPolynomial<2, 6> { using ZPZ = aerobus::zpz<2>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<1>, ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<1»; };  // NOLINT
02425 template<> struct ConwayPolynomial<2, 7> { using ZPZ = aerobus::zpz<2>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<1»; };  // NOLINT
02426 template<> struct ConwayPolynomial<2, 8> { using ZPZ = aerobus::zpz<2>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<1>, ZPZV<1>, ZPZV<0>, ZPZV<1»; };  // NOLINT
02427 template<> struct ConwayPolynomial<2, 9> { using ZPZ = aerobus::zpz<2>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1»; };  // NOLINT
02428 template<> struct ConwayPolynomial<2, 10> { using ZPZ = aerobus::zpz<2>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<1>, ZPZV<1>, ZPZV<1»; };  //
      NOLINT
02429 template<> struct ConwayPolynomial<2, 11> { using ZPZ = aerobus::zpz<2>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<0>, ZPZV<1»; };
      // NOLINT
02430 template<> struct ConwayPolynomial<2, 12> { using ZPZ = aerobus::zpz<2>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<1>, ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<0>, ZPZV<1>,
      ZPZV<1»; };  // NOLINT
02431 template<> struct ConwayPolynomial<2, 13> { using ZPZ = aerobus::zpz<2>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<1>, ZPZV<0>,
      ZPZV<1>, ZPZV<1»; };  // NOLINT
02432 template<> struct ConwayPolynomial<2, 14> { using ZPZ = aerobus::zpz<2>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<0>, ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<1»; };  // NOLINT
02433 template<> struct ConwayPolynomial<2, 15> { using ZPZ = aerobus::zpz<2>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<1>,
      ZPZV<0>, ZPZV<1>, ZPZV<0>, ZPZV<1»; };  // NOLINT
02434 template<> struct ConwayPolynomial<2, 16> { using ZPZ = aerobus::zpz<2>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>,
      ZPZV<0>, ZPZV<1>, ZPZV<1>, ZPZV<0>, ZPZV<1»; };  // NOLINT
02435 template<> struct ConwayPolynomial<2, 17> { using ZPZ = aerobus::zpz<2>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<1»; };  // NOLINT
02436 template<> struct ConwayPolynomial<2, 18> { using ZPZ = aerobus::zpz<2>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<1»; };  // NOLINT
02437 template<> struct ConwayPolynomial<2, 19> { using ZPZ = aerobus::zpz<2>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<1>, ZPZV<1»; };  // NOLINT
02438 template<> struct ConwayPolynomial<2, 20> { using ZPZ = aerobus::zpz<2>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<1>,
      ZPZV<0>, ZPZV<1>, ZPZV<1>, ZPZV<1>, ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<1»; };  // NOLINT
02439 template<> struct ConwayPolynomial<3, 1> { using ZPZ = aerobus::zpz<3>; using type = POLYV<ZPZV<1>,
      ZPZV<1»; };  // NOLINT
02440 template<> struct ConwayPolynomial<3, 2> { using ZPZ = aerobus::zpz<3>; using type = POLYV<ZPZV<1>,
```

```
      ZPZV<2>, ZPZV<2»; };  // NOLINT
02441 template<> struct ConwayPolynomial<3, 3> { using ZPZ = aerobus::zpz<3>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<2>, ZPZV<1»; };  // NOLINT
02442 template<> struct ConwayPolynomial<3, 4> { using ZPZ = aerobus::zpz<3>; using type = POLYV<ZPZV<1>,
      ZPZV<2>, ZPZV<0>, ZPZV<0>, ZPZV<2»; };  // NOLINT
02443 template<> struct ConwayPolynomial<3, 5> { using ZPZ = aerobus::zpz<3>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<1»; };  // NOLINT
02444 template<> struct ConwayPolynomial<3, 6> { using ZPZ = aerobus::zpz<3>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<2>, ZPZV<0>, ZPZV<1>, ZPZV<2>, ZPZV<2»; };  // NOLINT
02445 template<> struct ConwayPolynomial<3, 7> { using ZPZ = aerobus::zpz<3>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<0>, ZPZV<1»; };  // NOLINT
02446 template<> struct ConwayPolynomial<3, 8> { using ZPZ = aerobus::zpz<3>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<2>, ZPZV<2»; };  // NOLINT
02447 template<> struct ConwayPolynomial<3, 9> { using ZPZ = aerobus::zpz<3>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<2>, ZPZV<1>, ZPZV<1»; };  // NOLINT
02448 template<> struct ConwayPolynomial<3, 10> { using ZPZ = aerobus::zpz<3>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<2>, ZPZV<2>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<2»; };  //
      NOLINT
02449 template<> struct ConwayPolynomial<3, 11> { using ZPZ = aerobus::zpz<3>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<0>, ZPZV<1»; };
      // NOLINT
02450 template<> struct ConwayPolynomial<3, 12> { using ZPZ = aerobus::zpz<3>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<1>, ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<0>,
      ZPZV<2»; };  // NOLINT
02451 template<> struct ConwayPolynomial<3, 13> { using ZPZ = aerobus::zpz<3>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<2>, ZPZV<1»; };  // NOLINT
02452 template<> struct ConwayPolynomial<3, 14> { using ZPZ = aerobus::zpz<3>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<1>, ZPZV<1>, ZPZV<2>, ZPZV<1>, ZPZV<0>, ZPZV<2>,
      ZPZV<1>, ZPZV<0>, ZPZV<2»; };  // NOLINT
02453 template<> struct ConwayPolynomial<3, 15> { using ZPZ = aerobus::zpz<3>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<1>, ZPZV<1»; };  // NOLINT
02454 template<> struct ConwayPolynomial<3, 16> { using ZPZ = aerobus::zpz<3>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<2>, ZPZV<0>,
      ZPZV<2>, ZPZV<2>, ZPZV<2>, ZPZV<1>, ZPZV<2»; };  // NOLINT
02455 template<> struct ConwayPolynomial<3, 17> { using ZPZ = aerobus::zpz<3>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<1»; };  // NOLINT
02456 template<> struct ConwayPolynomial<3, 18> { using ZPZ = aerobus::zpz<3>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<0>,
      ZPZV<2>, ZPZV<1>, ZPZV<2>, ZPZV<0>, ZPZV<2>, ZPZV<0>, ZPZV<2»; };  // NOLINT
02457 template<> struct ConwayPolynomial<3, 19> { using ZPZ = aerobus::zpz<3>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<0>, ZPZV<1»; };  // NOLINT
02458 template<> struct ConwayPolynomial<3, 20> { using ZPZ = aerobus::zpz<3>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<0>, ZPZV<1>, ZPZV<1>, ZPZV<1>,
      ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<2>, ZPZV<2>, ZPZV<0>, ZPZV<1>, ZPZV<2»; };  // NOLINT
02459 template<> struct ConwayPolynomial<5, 1> { using ZPZ = aerobus::zpz<5>; using type = POLYV<ZPZV<1>,
      ZPZV<3»; };  // NOLINT
02460 template<> struct ConwayPolynomial<5, 2> { using ZPZ = aerobus::zpz<5>; using type = POLYV<ZPZV<1>,
      ZPZV<4>, ZPZV<2»; };  // NOLINT
02461 template<> struct ConwayPolynomial<5, 3> { using ZPZ = aerobus::zpz<5>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<3>, ZPZV<3»; };  // NOLINT
02462 template<> struct ConwayPolynomial<5, 4> { using ZPZ = aerobus::zpz<5>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<4>, ZPZV<4>, ZPZV<2»; };  // NOLINT
02463 template<> struct ConwayPolynomial<5, 5> { using ZPZ = aerobus::zpz<5>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<3»; };  // NOLINT
02464 template<> struct ConwayPolynomial<5, 6> { using ZPZ = aerobus::zpz<5>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<1>, ZPZV<4>, ZPZV<1>, ZPZV<0>, ZPZV<2»; };  // NOLINT
02465 template<> struct ConwayPolynomial<5, 7> { using ZPZ = aerobus::zpz<5>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<3»; };  // NOLINT
02466 template<> struct ConwayPolynomial<5, 8> { using ZPZ = aerobus::zpz<5>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<4>, ZPZV<2»; };  // NOLINT
02467 template<> struct ConwayPolynomial<5, 9> { using ZPZ = aerobus::zpz<5>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<0>, ZPZV<1>, ZPZV<3»; };  // NOLINT
02468 template<> struct ConwayPolynomial<5, 10> { using ZPZ = aerobus::zpz<5>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<3>, ZPZV<2>, ZPZV<4>, ZPZV<1>, ZPZV<2»; };  //
      NOLINT
02469 template<> struct ConwayPolynomial<5, 11> { using ZPZ = aerobus::zpz<5>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<3»; };
      // NOLINT
02470 template<> struct ConwayPolynomial<5, 12> { using ZPZ = aerobus::zpz<5>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<1>, ZPZV<0>, ZPZV<4>, ZPZV<4>, ZPZV<3>, ZPZV<2>,
      ZPZV<2»; };  // NOLINT
02471 template<> struct ConwayPolynomial<5, 13> { using ZPZ = aerobus::zpz<5>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>,
      ZPZV<3>, ZPZV<3»; };  // NOLINT
02472 template<> struct ConwayPolynomial<5, 14> { using ZPZ = aerobus::zpz<5>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<0>, ZPZV<4>, ZPZV<4>, ZPZV<2>, ZPZV<3>,
      ZPZV<0>, ZPZV<1>, ZPZV<2»; };  // NOLINT
02473 template<> struct ConwayPolynomial<5, 15> { using ZPZ = aerobus::zpz<5>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<0>,
      ZPZV<3>, ZPZV<3>, ZPZV<4>, ZPZV<3»; };  // NOLINT
02474 template<> struct ConwayPolynomial<5, 16> { using ZPZ = aerobus::zpz<5>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<4>, ZPZV<4>, ZPZV<4>,
      ZPZV<2>, ZPZV<4>, ZPZV<4>, ZPZV<1>, ZPZV<2»; };  // NOLINT
```

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02475 template<> struct ConwayPolynomial<5, 17> { using ZPZ = aerobus::zpz<5>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<2>, ZPZV<3>>; };  // NOLINT
02476 template<> struct ConwayPolynomial<5, 18> { using ZPZ = aerobus::zpz<5>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<1>, ZPZV<1>, ZPZV<1>, ZPZV<2>, ZPZV<0>,
      ZPZV<2>, ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<2>, ZPZV<0>, ZPZV<2>>; };  // NOLINT
02477 template<> struct ConwayPolynomial<5, 19> { using ZPZ = aerobus::zpz<5>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<3>>; };  // NOLINT
02478 template<> struct ConwayPolynomial<5, 20> { using ZPZ = aerobus::zpz<5>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<0>, ZPZV<4>, ZPZV<3>,
      ZPZV<2>, ZPZV<0>, ZPZV<3>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<0>, ZPZV<1>, ZPZV<2>>; };  // NOLINT
02479 template<> struct ConwayPolynomial<7, 1> { using ZPZ = aerobus::zpz<7>; using type = POLYV<ZPZV<1>,
      ZPZV<4>>; };  // NOLINT
02480 template<> struct ConwayPolynomial<7, 2> { using ZPZ = aerobus::zpz<7>; using type = POLYV<ZPZV<1>,
      ZPZV<6>, ZPZV<3>>; };  // NOLINT
02481 template<> struct ConwayPolynomial<7, 3> { using ZPZ = aerobus::zpz<7>; using type = POLYV<ZPZV<1>,
      ZPZV<6>, ZPZV<0>, ZPZV<4>>; };  // NOLINT
02482 template<> struct ConwayPolynomial<7, 4> { using ZPZ = aerobus::zpz<7>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<5>, ZPZV<4>, ZPZV<3>>; };  // NOLINT
02483 template<> struct ConwayPolynomial<7, 5> { using ZPZ = aerobus::zpz<7>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<4>>; };  // NOLINT
02484 template<> struct ConwayPolynomial<7, 6> { using ZPZ = aerobus::zpz<7>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<1>, ZPZV<5>, ZPZV<4>, ZPZV<6>, ZPZV<3>>; };  // NOLINT
02485 template<> struct ConwayPolynomial<7, 7> { using ZPZ = aerobus::zpz<7>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<4>>; };  // NOLINT
02486 template<> struct ConwayPolynomial<7, 8> { using ZPZ = aerobus::zpz<7>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<6>, ZPZV<2>, ZPZV<3>>; };  // NOLINT
02487 template<> struct ConwayPolynomial<7, 9> { using ZPZ = aerobus::zpz<7>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<1>, ZPZV<0>, ZPZV<6>, ZPZV<4>>; };  // NOLINT
02488 template<> struct ConwayPolynomial<7, 10> { using ZPZ = aerobus::zpz<7>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<1>, ZPZV<4>, ZPZV<1>, ZPZV<2>, ZPZV<3>, ZPZV<3>>; };  //
      NOLINT
02489 template<> struct ConwayPolynomial<7, 11> { using ZPZ = aerobus::zpz<7>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<4>>; };
      // NOLINT
02490 template<> struct ConwayPolynomial<7, 12> { using ZPZ = aerobus::zpz<7>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<5>, ZPZV<3>, ZPZV<2>, ZPZV<4>, ZPZV<0>, ZPZV<5>, ZPZV<0>,
      ZPZV<3>>; };  // NOLINT
02491 template<> struct ConwayPolynomial<7, 13> { using ZPZ = aerobus::zpz<7>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>,
      ZPZV<0>, ZPZV<4>>; };  // NOLINT
02492 template<> struct ConwayPolynomial<7, 14> { using ZPZ = aerobus::zpz<7>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<0>, ZPZV<6>, ZPZV<2>, ZPZV<0>,
      ZPZV<3>, ZPZV<6>, ZPZV<3>>; };  // NOLINT
02493 template<> struct ConwayPolynomial<7, 15> { using ZPZ = aerobus::zpz<7>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<6>, ZPZV<6>,
      ZPZV<4>, ZPZV<1>, ZPZV<2>, ZPZV<4>>; };  // NOLINT
02494 template<> struct ConwayPolynomial<7, 16> { using ZPZ = aerobus::zpz<7>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<5>, ZPZV<3>, ZPZV<4>,
      ZPZV<1>, ZPZV<6>, ZPZV<2>, ZPZV<4>, ZPZV<3>>; };  // NOLINT
02495 template<> struct ConwayPolynomial<7, 17> { using ZPZ = aerobus::zpz<7>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<4>>; };  // NOLINT
02496 template<> struct ConwayPolynomial<7, 18> { using ZPZ = aerobus::zpz<7>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<2>, ZPZV<6>, ZPZV<1>, ZPZV<6>, ZPZV<5>,
      ZPZV<1>, ZPZV<3>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<2>, ZPZV<3>>; };  // NOLINT
02497 template<> struct ConwayPolynomial<7, 19> { using ZPZ = aerobus::zpz<7>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<0>, ZPZV<4>>; };  // NOLINT
02498 template<> struct ConwayPolynomial<7, 20> { using ZPZ = aerobus::zpz<7>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<6>, ZPZV<2>, ZPZV<5>,
      ZPZV<2>, ZPZV<3>, ZPZV<1>, ZPZV<3>, ZPZV<0>, ZPZV<3>, ZPZV<0>, ZPZV<1>, ZPZV<3>>; };  // NOLINT
02499 template<> struct ConwayPolynomial<11, 1> { using ZPZ = aerobus::zpz<11>; using type = POLYV<ZPZV<1>,
      ZPZV<9>>; };  // NOLINT
02500 template<> struct ConwayPolynomial<11, 2> { using ZPZ = aerobus::zpz<11>; using type = POLYV<ZPZV<1>,
      ZPZV<7>, ZPZV<2>>; };  // NOLINT
02501 template<> struct ConwayPolynomial<11, 3> { using ZPZ = aerobus::zpz<11>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<2>, ZPZV<9>>; };  // NOLINT
02502 template<> struct ConwayPolynomial<11, 4> { using ZPZ = aerobus::zpz<11>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<8>, ZPZV<10>, ZPZV<2>>; };  // NOLINT
02503 template<> struct ConwayPolynomial<11, 5> { using ZPZ = aerobus::zpz<11>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<0>, ZPZV<9>>; };  // NOLINT
02504 template<> struct ConwayPolynomial<11, 6> { using ZPZ = aerobus::zpz<11>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<3>, ZPZV<4>, ZPZV<6>, ZPZV<7>, ZPZV<2>>; };  // NOLINT
02505 template<> struct ConwayPolynomial<11, 7> { using ZPZ = aerobus::zpz<11>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<9>>; };  // NOLINT
02506 template<> struct ConwayPolynomial<11, 8> { using ZPZ = aerobus::zpz<11>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<7>, ZPZV<1>, ZPZV<7>, ZPZV<2>>; };  // NOLINT
02507 template<> struct ConwayPolynomial<11, 9> { using ZPZ = aerobus::zpz<11>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<9>, ZPZV<8>, ZPZV<9>>; };  // NOLINT
02508 template<> struct ConwayPolynomial<11, 10> { using ZPZ = aerobus::zpz<11>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<8>, ZPZV<10>, ZPZV<6>, ZPZV<6>, ZPZV<2>>; };  //
      NOLINT
02509 template<> struct ConwayPolynomial<11, 11> { using ZPZ = aerobus::zpz<11>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<9>>; };
      // NOLINT
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02510 template<> struct ConwayPolynomial<11, 12> { using ZPZ = aerobus::zpz<11>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<1>, ZPZV<4>, ZPZV<2>, ZPZV<5>, ZPZV<5>, ZPZV<6>, ZPZV<5>,
      ZPZV<2>>; };  // NOLINT
02511 template<> struct ConwayPolynomial<11, 13> { using ZPZ = aerobus::zpz<11>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<7>, ZPZV<9>>; };  // NOLINT
02512 template<> struct ConwayPolynomial<11, 14> { using ZPZ = aerobus::zpz<11>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<9>, ZPZV<6>, ZPZV<4>, ZPZV<8>,
      ZPZV<6>, ZPZV<10>, ZPZV<2>>; };  // NOLINT
02513 template<> struct ConwayPolynomial<11, 15> { using ZPZ = aerobus::zpz<11>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<7>, ZPZV<0>,
      ZPZV<5>, ZPZV<0>, ZPZV<0>, ZPZV<9>>; };  // NOLINT
02514 template<> struct ConwayPolynomial<11, 16> { using ZPZ = aerobus::zpz<11>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<10>, ZPZV<1>, ZPZV<3>,
      ZPZV<5>, ZPZV<3>, ZPZV<10>, ZPZV<9>, ZPZV<2>>; };  // NOLINT
02515 template<> struct ConwayPolynomial<11, 17> { using ZPZ = aerobus::zpz<11>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<9>>; };  // NOLINT
02516 template<> struct ConwayPolynomial<11, 18> { using ZPZ = aerobus::zpz<11>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<8>, ZPZV<10>, ZPZV<8>, ZPZV<3>, ZPZV<9>,
      ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<9>, ZPZV<8>, ZPZV<2>, ZPZV<2>>; };  // NOLINT
02517 template<> struct ConwayPolynomial<11, 19> { using ZPZ = aerobus::zpz<11>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<2>, ZPZV<9>>; };  // NOLINT
02518 template<> struct ConwayPolynomial<11, 20> { using ZPZ = aerobus::zpz<11>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<10>, ZPZV<9>, ZPZV<1>,
      ZPZV<5>, ZPZV<7>, ZPZV<2>, ZPZV<4>, ZPZV<5>, ZPZV<5>, ZPZV<6>, ZPZV<5>, ZPZV<2>>; };  // NOLINT
02519 template<> struct ConwayPolynomial<13, 1> { using ZPZ = aerobus::zpz<13>; using type = POLYV<ZPZV<1>,
      ZPZV<11>>; };  // NOLINT
02520 template<> struct ConwayPolynomial<13, 2> { using ZPZ = aerobus::zpz<13>; using type = POLYV<ZPZV<1>,
      ZPZV<12>, ZPZV<2>>; };  // NOLINT
02521 template<> struct ConwayPolynomial<13, 3> { using ZPZ = aerobus::zpz<13>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<2>, ZPZV<11>>; };  // NOLINT
02522 template<> struct ConwayPolynomial<13, 4> { using ZPZ = aerobus::zpz<13>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<3>, ZPZV<12>, ZPZV<2>>; };  // NOLINT
02523 template<> struct ConwayPolynomial<13, 5> { using ZPZ = aerobus::zpz<13>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<11>>; };  // NOLINT
02524 template<> struct ConwayPolynomial<13, 6> { using ZPZ = aerobus::zpz<13>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<11>, ZPZV<11>, ZPZV<2>>; };  // NOLINT
02525 template<> struct ConwayPolynomial<13, 7> { using ZPZ = aerobus::zpz<13>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<11>>; };  // NOLINT
02526 template<> struct ConwayPolynomial<13, 8> { using ZPZ = aerobus::zpz<13>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<12>, ZPZV<2>, ZPZV<3>, ZPZV<2>>; };  // NOLINT
02527 template<> struct ConwayPolynomial<13, 9> { using ZPZ = aerobus::zpz<13>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<12>, ZPZV<8>, ZPZV<12>, ZPZV<12>, ZPZV<11>>; };  // NOLINT
02528 template<> struct ConwayPolynomial<13, 10> { using ZPZ = aerobus::zpz<13>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<5>, ZPZV<8>, ZPZV<1>, ZPZV<1>, ZPZV<2>>; };  //
      NOLINT
02529 template<> struct ConwayPolynomial<13, 11> { using ZPZ = aerobus::zpz<13>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<11>>; };
      // NOLINT
02530 template<> struct ConwayPolynomial<13, 12> { using ZPZ = aerobus::zpz<13>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<5>, ZPZV<8>, ZPZV<11>, ZPZV<3>, ZPZV<1>, ZPZV<1>, ZPZV<4>,
      ZPZV<2>>; };  // NOLINT
02531 template<> struct ConwayPolynomial<13, 13> { using ZPZ = aerobus::zpz<13>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<12>, ZPZV<11>>; };  // NOLINT
02532 template<> struct ConwayPolynomial<13, 14> { using ZPZ = aerobus::zpz<13>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<0>, ZPZV<6>, ZPZV<11>, ZPZV<7>,
      ZPZV<10>, ZPZV<10>, ZPZV<2>>; };  // NOLINT
02533 template<> struct ConwayPolynomial<13, 15> { using ZPZ = aerobus::zpz<13>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<12>, ZPZV<2>, ZPZV<11>,
      ZPZV<10>, ZPZV<11>, ZPZV<8>, ZPZV<11>>; };  // NOLINT
02534 template<> struct ConwayPolynomial<13, 16> { using ZPZ = aerobus::zpz<13>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<12>, ZPZV<8>, ZPZV<2>,
      ZPZV<12>, ZPZV<9>, ZPZV<12>, ZPZV<6>, ZPZV<2>>; };  // NOLINT
02535 template<> struct ConwayPolynomial<13, 17> { using ZPZ = aerobus::zpz<13>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<6>, ZPZV<11>>; };  // NOLINT
02536 template<> struct ConwayPolynomial<13, 18> { using ZPZ = aerobus::zpz<13>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<4>, ZPZV<11>, ZPZV<11>, ZPZV<9>,
      ZPZV<5>, ZPZV<3>, ZPZV<5>, ZPZV<6>, ZPZV<0>, ZPZV<9>, ZPZV<2>>; };  // NOLINT
02537 template<> struct ConwayPolynomial<13, 19> { using ZPZ = aerobus::zpz<13>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<9>, ZPZV<11>>; };  // NOLINT
02538 template<> struct ConwayPolynomial<13, 20> { using ZPZ = aerobus::zpz<13>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<12>, ZPZV<9>, ZPZV<0>,
      ZPZV<7>, ZPZV<8>, ZPZV<7>, ZPZV<4>, ZPZV<0>, ZPZV<4>, ZPZV<8>, ZPZV<11>, ZPZV<2>>; };  // NOLINT
02539 template<> struct ConwayPolynomial<17, 1> { using ZPZ = aerobus::zpz<17>; using type = POLYV<ZPZV<1>,
      ZPZV<14>>; };  // NOLINT
02540 template<> struct ConwayPolynomial<17, 2> { using ZPZ = aerobus::zpz<17>; using type = POLYV<ZPZV<1>,
      ZPZV<16>, ZPZV<3>>; };  // NOLINT
02541 template<> struct ConwayPolynomial<17, 3> { using ZPZ = aerobus::zpz<17>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<1>, ZPZV<14>>; };  // NOLINT
02542 template<> struct ConwayPolynomial<17, 4> { using ZPZ = aerobus::zpz<17>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<7>, ZPZV<10>, ZPZV<3>>; };  // NOLINT
02543 template<> struct ConwayPolynomial<17, 5> { using ZPZ = aerobus::zpz<17>; using type = POLYV<ZPZV<1>,
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      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<14»; };  // NOLINT
02544 template<> struct ConwayPolynomial<17, 6> { using ZPZ = aerobus::zpz<17>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<2>, ZPZV<0>, ZPZV<10>, ZPZV<3>, ZPZV<3»; };  // NOLINT
02545 template<> struct ConwayPolynomial<17, 7> { using ZPZ = aerobus::zpz<17>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<12>, ZPZV<14»; };  // NOLINT
02546 template<> struct ConwayPolynomial<17, 8> { using ZPZ = aerobus::zpz<17>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<11>, ZPZV<12>, ZPZV<0>, ZPZV<6>, ZPZV<3»; };  // NOLINT
02547 template<> struct ConwayPolynomial<17, 9> { using ZPZ = aerobus::zpz<17>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<8>, ZPZV<14»; };  // NOLINT
02548 template<> struct ConwayPolynomial<17, 10> { using ZPZ = aerobus::zpz<17>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<13>, ZPZV<6>, ZPZV<5>, ZPZV<9>, ZPZV<12>, ZPZV<3»; };  //
      NOLINT
02549 template<> struct ConwayPolynomial<17, 11> { using ZPZ = aerobus::zpz<17>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<14»; };
      // NOLINT
02550 template<> struct ConwayPolynomial<17, 12> { using ZPZ = aerobus::zpz<17>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<4>, ZPZV<14>, ZPZV<14>, ZPZV<13>, ZPZV<6>, ZPZV<14>, ZPZV<9>,
      ZPZV<3»; };  // NOLINT
02551 template<> struct ConwayPolynomial<17, 13> { using ZPZ = aerobus::zpz<17>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<15>, ZPZV<14»; };  // NOLINT
02552 template<> struct ConwayPolynomial<17, 14> { using ZPZ = aerobus::zpz<17>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<11>, ZPZV<1>, ZPZV<8>, ZPZV<16>, ZPZV<13>,
      ZPZV<9>, ZPZV<3>, ZPZV<3»; };  // NOLINT
02553 template<> struct ConwayPolynomial<17, 15> { using ZPZ = aerobus::zpz<17>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<4>, ZPZV<16>,
      ZPZV<6>, ZPZV<14>, ZPZV<14>, ZPZV<14»; };  // NOLINT
02554 template<> struct ConwayPolynomial<17, 16> { using ZPZ = aerobus::zpz<17>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<13>, ZPZV<5>, ZPZV<2>,
      ZPZV<12>, ZPZV<13>, ZPZV<12>, ZPZV<1>, ZPZV<3»; };  // NOLINT
02555 template<> struct ConwayPolynomial<17, 17> { using ZPZ = aerobus::zpz<17>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<16>, ZPZV<14»; };  // NOLINT
02556 template<> struct ConwayPolynomial<17, 18> { using ZPZ = aerobus::zpz<17>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<0>, ZPZV<9>, ZPZV<16>, ZPZV<7>, ZPZV<1>,
      ZPZV<0>, ZPZV<9>, ZPZV<11>, ZPZV<13>, ZPZV<13>, ZPZV<9>, ZPZV<3»; };  // NOLINT
02557 template<> struct ConwayPolynomial<17, 19> { using ZPZ = aerobus::zpz<17>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<11>, ZPZV<14»; };  // NOLINT
02558 template<> struct ConwayPolynomial<17, 20> { using ZPZ = aerobus::zpz<17>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<5>, ZPZV<16>, ZPZV<14>,
      ZPZV<13>, ZPZV<3>, ZPZV<14>, ZPZV<9>, ZPZV<1>, ZPZV<13>, ZPZV<2>, ZPZV<5>, ZPZV<3»; };  // NOLINT
02559 template<> struct ConwayPolynomial<19, 1> { using ZPZ = aerobus::zpz<19>; using type = POLYV<ZPZV<1>,
      ZPZV<17»; };  // NOLINT
02560 template<> struct ConwayPolynomial<19, 2> { using ZPZ = aerobus::zpz<19>; using type = POLYV<ZPZV<1>,
      ZPZV<18>, ZPZV<2»; };  // NOLINT
02561 template<> struct ConwayPolynomial<19, 3> { using ZPZ = aerobus::zpz<19>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<4>, ZPZV<17»; };  // NOLINT
02562 template<> struct ConwayPolynomial<19, 4> { using ZPZ = aerobus::zpz<19>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<2>, ZPZV<11>, ZPZV<2»; };  // NOLINT
02563 template<> struct ConwayPolynomial<19, 5> { using ZPZ = aerobus::zpz<19>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<17»; };  // NOLINT
02564 template<> struct ConwayPolynomial<19, 6> { using ZPZ = aerobus::zpz<19>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<17>, ZPZV<17>, ZPZV<6>, ZPZV<2»; };  // NOLINT
02565 template<> struct ConwayPolynomial<19, 7> { using ZPZ = aerobus::zpz<19>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<17»; };  // NOLINT
02566 template<> struct ConwayPolynomial<19, 8> { using ZPZ = aerobus::zpz<19>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<12>, ZPZV<10>, ZPZV<3>, ZPZV<2»; };  // NOLINT
02567 template<> struct ConwayPolynomial<19, 9> { using ZPZ = aerobus::zpz<19>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<11>, ZPZV<14>, ZPZV<16>, ZPZV<17»; };  // NOLINT
02568 template<> struct ConwayPolynomial<19, 10> { using ZPZ = aerobus::zpz<19>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<18>, ZPZV<13>, ZPZV<17>, ZPZV<3>, ZPZV<4>, ZPZV<2»; };  //
      NOLINT
02569 template<> struct ConwayPolynomial<19, 11> { using ZPZ = aerobus::zpz<19>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<17»; };
      // NOLINT
02570 template<> struct ConwayPolynomial<19, 12> { using ZPZ = aerobus::zpz<19>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<2>, ZPZV<18>, ZPZV<2>, ZPZV<9>, ZPZV<16>, ZPZV<7>,
      ZPZV<2»; };  // NOLINT
02571 template<> struct ConwayPolynomial<19, 13> { using ZPZ = aerobus::zpz<19>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<11>, ZPZV<17»; };  // NOLINT
02572 template<> struct ConwayPolynomial<19, 14> { using ZPZ = aerobus::zpz<19>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<11>, ZPZV<11>, ZPZV<11>, ZPZV<1>, ZPZV<5>,
      ZPZV<16>, ZPZV<7>, ZPZV<2»; };  // NOLINT
02573 template<> struct ConwayPolynomial<19, 15> { using ZPZ = aerobus::zpz<19>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<10>, ZPZV<11>, ZPZV<13>,
      ZPZV<15>, ZPZV<14>, ZPZV<0>, ZPZV<17»; };  // NOLINT
02574 template<> struct ConwayPolynomial<19, 16> { using ZPZ = aerobus::zpz<19>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<12>, ZPZV<13>, ZPZV<0>,
      ZPZV<15>, ZPZV<9>, ZPZV<6>, ZPZV<14>, ZPZV<2»; };  // NOLINT
02575 template<> struct ConwayPolynomial<19, 17> { using ZPZ = aerobus::zpz<19>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<17»; };  // NOLINT
02576 template<> struct ConwayPolynomial<19, 18> { using ZPZ = aerobus::zpz<19>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<9>, ZPZV<7>, ZPZV<17>, ZPZV<5>,
      ZPZV<0>, ZPZV<16>, ZPZV<5>, ZPZV<7>, ZPZV<3>, ZPZV<14>, ZPZV<2»; };  // NOLINT
```

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02577 template<> struct ConwayPolynomial<19, 19> { using ZPZ = aerobus::zpz<19>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<18>, ZPZV<17>»; };  // NOLINT
02578 template<> struct ConwayPolynomial<19, 20> { using ZPZ = aerobus::zpz<19>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<16>, ZPZV<13>, ZPZV<0>,
      ZPZV<4>, ZPZV<7>, ZPZV<8>, ZPZV<6>, ZPZV<0>, ZPZV<3>, ZPZV<6>, ZPZV<11>, ZPZV<2»; };  // NOLINT
02579 template<> struct ConwayPolynomial<23, 1> { using ZPZ = aerobus::zpz<23>; using type = POLYV<ZPZV<1>,
      ZPZV<18»; };  // NOLINT
02580 template<> struct ConwayPolynomial<23, 2> { using ZPZ = aerobus::zpz<23>; using type = POLYV<ZPZV<1>,
      ZPZV<21>, ZPZV<5»; };  // NOLINT
02581 template<> struct ConwayPolynomial<23, 3> { using ZPZ = aerobus::zpz<23>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<2>, ZPZV<18»; };  // NOLINT
02582 template<> struct ConwayPolynomial<23, 4> { using ZPZ = aerobus::zpz<23>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<3>, ZPZV<19>, ZPZV<5»; };  // NOLINT
02583 template<> struct ConwayPolynomial<23, 5> { using ZPZ = aerobus::zpz<23>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<18»; };  // NOLINT
02584 template<> struct ConwayPolynomial<23, 6> { using ZPZ = aerobus::zpz<23>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<1>, ZPZV<9>, ZPZV<9>, ZPZV<1>, ZPZV<5»; };  // NOLINT
02585 template<> struct ConwayPolynomial<23, 7> { using ZPZ = aerobus::zpz<23>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<21>, ZPZV<18»; };  // NOLINT
02586 template<> struct ConwayPolynomial<23, 8> { using ZPZ = aerobus::zpz<23>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<20>, ZPZV<5>, ZPZV<3>, ZPZV<5»; };  // NOLINT
02587 template<> struct ConwayPolynomial<23, 9> { using ZPZ = aerobus::zpz<23>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<8>, ZPZV<9>, ZPZV<18»; };  // NOLINT
02588 template<> struct ConwayPolynomial<23, 10> { using ZPZ = aerobus::zpz<23>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<17>, ZPZV<5>, ZPZV<15>, ZPZV<6>, ZPZV<1>, ZPZV<5»; };  //
      NOLINT
02589 template<> struct ConwayPolynomial<23, 11> { using ZPZ = aerobus::zpz<23>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<22>, ZPZV<7>, ZPZV<18»;
      };  // NOLINT
02590 template<> struct ConwayPolynomial<23, 12> { using ZPZ = aerobus::zpz<23>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<21>, ZPZV<21>, ZPZV<15>, ZPZV<14>, ZPZV<12>, ZPZV<18>,
      ZPZV<12>, ZPZV<5»; };  // NOLINT
02591 template<> struct ConwayPolynomial<23, 13> { using ZPZ = aerobus::zpz<23>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<9>, ZPZV<18»; };  // NOLINT
02592 template<> struct ConwayPolynomial<23, 14> { using ZPZ = aerobus::zpz<23>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<5>, ZPZV<16>, ZPZV<1>, ZPZV<18>, ZPZV<19>,
      ZPZV<1>, ZPZV<22>, ZPZV<5»; };  // NOLINT
02593 template<> struct ConwayPolynomial<23, 15> { using ZPZ = aerobus::zpz<23>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<8>, ZPZV<15>,
      ZPZV<9>, ZPZV<7>, ZPZV<18>, ZPZV<18»; };  // NOLINT
02594 template<> struct ConwayPolynomial<23, 16> { using ZPZ = aerobus::zpz<23>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<19>, ZPZV<19>, ZPZV<16>,
      ZPZV<13>, ZPZV<1>, ZPZV<14>, ZPZV<17>, ZPZV<5»; };  // NOLINT
02595 template<> struct ConwayPolynomial<23, 17> { using ZPZ = aerobus::zpz<23>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<20>, ZPZV<18»; };  // NOLINT
02596 template<> struct ConwayPolynomial<23, 18> { using ZPZ = aerobus::zpz<23>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<18>, ZPZV<2>, ZPZV<1>, ZPZV<18>, ZPZV<3>,
      ZPZV<16>, ZPZV<21>, ZPZV<0>, ZPZV<11>, ZPZV<3>, ZPZV<19>, ZPZV<5»; };  // NOLINT
02597 template<> struct ConwayPolynomial<23, 19> { using ZPZ = aerobus::zpz<23>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<18»; };  // NOLINT
02598 template<> struct ConwayPolynomial<29, 1> { using ZPZ = aerobus::zpz<29>; using type = POLYV<ZPZV<1>,
      ZPZV<27»; };  // NOLINT
02599 template<> struct ConwayPolynomial<29, 2> { using ZPZ = aerobus::zpz<29>; using type = POLYV<ZPZV<1>,
      ZPZV<24>, ZPZV<2»; };  // NOLINT
02600 template<> struct ConwayPolynomial<29, 3> { using ZPZ = aerobus::zpz<29>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<2>, ZPZV<27»; };  // NOLINT
02601 template<> struct ConwayPolynomial<29, 4> { using ZPZ = aerobus::zpz<29>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<2>, ZPZV<15>, ZPZV<2»; };  // NOLINT
02602 template<> struct ConwayPolynomial<29, 5> { using ZPZ = aerobus::zpz<29>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<27»; };  // NOLINT
02603 template<> struct ConwayPolynomial<29, 6> { using ZPZ = aerobus::zpz<29>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<1>, ZPZV<25>, ZPZV<17>, ZPZV<13>, ZPZV<2»; };  // NOLINT
02604 template<> struct ConwayPolynomial<29, 7> { using ZPZ = aerobus::zpz<29>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<27»; };  // NOLINT
02605 template<> struct ConwayPolynomial<29, 8> { using ZPZ = aerobus::zpz<29>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<24>, ZPZV<26>, ZPZV<23>, ZPZV<2»; };  // NOLINT
02606 template<> struct ConwayPolynomial<29, 9> { using ZPZ = aerobus::zpz<29>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<22>, ZPZV<22>, ZPZV<27»; };  // NOLINT
02607 template<> struct ConwayPolynomial<29, 10> { using ZPZ = aerobus::zpz<29>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<25>, ZPZV<8>, ZPZV<17>, ZPZV<2>, ZPZV<22>, ZPZV<2»; };  //
      NOLINT
02608 template<> struct ConwayPolynomial<29, 11> { using ZPZ = aerobus::zpz<29>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<28>, ZPZV<8>, ZPZV<27»;
      };  // NOLINT
02609 template<> struct ConwayPolynomial<29, 12> { using ZPZ = aerobus::zpz<29>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<19>, ZPZV<28>, ZPZV<9>, ZPZV<16>, ZPZV<25>, ZPZV<1>, ZPZV<1>,
      ZPZV<2»; };  // NOLINT
02610 template<> struct ConwayPolynomial<29, 13> { using ZPZ = aerobus::zpz<29>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<7>, ZPZV<27»; };  // NOLINT
02611 template<> struct ConwayPolynomial<29, 14> { using ZPZ = aerobus::zpz<29>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<3>, ZPZV<14>, ZPZV<10>, ZPZV<21>, ZPZV<18>,
      ZPZV<27>, ZPZV<5>, ZPZV<2»; };  // NOLINT
```

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02612 template<> struct ConwayPolynomial<29, 15> { using ZPZ = aerobus::zpz<29>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<13>, ZPZV<14>, ZPZV<8>,
      ZPZV<1>, ZPZV<12>, ZPZV<26>, ZPZV<27>>; };  // NOLINT
02613 template<> struct ConwayPolynomial<29, 16> { using ZPZ = aerobus::zpz<29>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<27>, ZPZV<2>, ZPZV<18>,
      ZPZV<23>, ZPZV<1>, ZPZV<27>, ZPZV<10>, ZPZV<2>>; };  // NOLINT
02614 template<> struct ConwayPolynomial<29, 17> { using ZPZ = aerobus::zpz<29>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<27>>; };  // NOLINT
02615 template<> struct ConwayPolynomial<29, 18> { using ZPZ = aerobus::zpz<29>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<24>, ZPZV<1>, ZPZV<1>, ZPZV<6>, ZPZV<26>,
      ZPZV<2>, ZPZV<10>, ZPZV<8>, ZPZV<16>, ZPZV<19>, ZPZV<14>, ZPZV<2>>; };  // NOLINT
02616 template<> struct ConwayPolynomial<29, 19> { using ZPZ = aerobus::zpz<29>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<27>>; };  // NOLINT
02617 template<> struct ConwayPolynomial<31, 1> { using ZPZ = aerobus::zpz<31>; using type = POLYV<ZPZV<1>,
      ZPZV<28>>; };  // NOLINT
02618 template<> struct ConwayPolynomial<31, 2> { using ZPZ = aerobus::zpz<31>; using type = POLYV<ZPZV<1>,
      ZPZV<29>, ZPZV<3>>; };  // NOLINT
02619 template<> struct ConwayPolynomial<31, 3> { using ZPZ = aerobus::zpz<31>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<1>, ZPZV<28>>; };  // NOLINT
02620 template<> struct ConwayPolynomial<31, 4> { using ZPZ = aerobus::zpz<31>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<3>, ZPZV<16>, ZPZV<3>>; };  // NOLINT
02621 template<> struct ConwayPolynomial<31, 5> { using ZPZ = aerobus::zpz<31>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<28>>; };  // NOLINT
02622 template<> struct ConwayPolynomial<31, 6> { using ZPZ = aerobus::zpz<31>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<19>, ZPZV<16>, ZPZV<8>, ZPZV<3>>; };  // NOLINT
02623 template<> struct ConwayPolynomial<31, 7> { using ZPZ = aerobus::zpz<31>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<28>>; };  // NOLINT
02624 template<> struct ConwayPolynomial<31, 8> { using ZPZ = aerobus::zpz<31>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<25>, ZPZV<12>, ZPZV<24>, ZPZV<3>>; };  // NOLINT
02625 template<> struct ConwayPolynomial<31, 9> { using ZPZ = aerobus::zpz<31>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<20>, ZPZV<29>, ZPZV<28>>; };  // NOLINT
02626 template<> struct ConwayPolynomial<31, 10> { using ZPZ = aerobus::zpz<31>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<30>, ZPZV<26>, ZPZV<13>, ZPZV<13>, ZPZV<13>, ZPZV<3>>; };  //
      NOLINT
02627 template<> struct ConwayPolynomial<31, 11> { using ZPZ = aerobus::zpz<31>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<20>, ZPZV<28>>;
      };  // NOLINT
02628 template<> struct ConwayPolynomial<31, 12> { using ZPZ = aerobus::zpz<31>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<14>, ZPZV<28>, ZPZV<2>, ZPZV<9>, ZPZV<25>, ZPZV<12>,
      ZPZV<3>>; };  // NOLINT
02629 template<> struct ConwayPolynomial<31, 13> { using ZPZ = aerobus::zpz<31>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<6>, ZPZV<28>>; };  // NOLINT
02630 template<> struct ConwayPolynomial<31, 14> { using ZPZ = aerobus::zpz<31>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<5>, ZPZV<1>, ZPZV<1>, ZPZV<18>,
      ZPZV<18>, ZPZV<6>, ZPZV<3>>; };  // NOLINT
02631 template<> struct ConwayPolynomial<31, 15> { using ZPZ = aerobus::zpz<31>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<30>, ZPZV<29>, ZPZV<12>,
      ZPZV<13>, ZPZV<23>, ZPZV<25>, ZPZV<28>>; };  // NOLINT
02632 template<> struct ConwayPolynomial<31, 16> { using ZPZ = aerobus::zpz<31>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<28>, ZPZV<24>, ZPZV<26>,
      ZPZV<28>, ZPZV<11>, ZPZV<19>, ZPZV<27>, ZPZV<3>>; };  // NOLINT
02633 template<> struct ConwayPolynomial<31, 17> { using ZPZ = aerobus::zpz<31>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<28>>; };  // NOLINT
02634 template<> struct ConwayPolynomial<31, 18> { using ZPZ = aerobus::zpz<31>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<27>, ZPZV<5>, ZPZV<24>, ZPZV<2>, ZPZV<7>,
      ZPZV<12>, ZPZV<11>, ZPZV<25>, ZPZV<25>, ZPZV<10>, ZPZV<6>, ZPZV<3>>; };  // NOLINT
02635 template<> struct ConwayPolynomial<31, 19> { using ZPZ = aerobus::zpz<31>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<28>>; };  // NOLINT
02636 template<> struct ConwayPolynomial<37, 1> { using ZPZ = aerobus::zpz<37>; using type = POLYV<ZPZV<1>,
      ZPZV<35>>; };  // NOLINT
02637 template<> struct ConwayPolynomial<37, 2> { using ZPZ = aerobus::zpz<37>; using type = POLYV<ZPZV<1>,
      ZPZV<33>, ZPZV<2>>; };  // NOLINT
02638 template<> struct ConwayPolynomial<37, 3> { using ZPZ = aerobus::zpz<37>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<6>, ZPZV<35>>; };  // NOLINT
02639 template<> struct ConwayPolynomial<37, 4> { using ZPZ = aerobus::zpz<37>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<6>, ZPZV<24>, ZPZV<2>>; };  // NOLINT
02640 template<> struct ConwayPolynomial<37, 5> { using ZPZ = aerobus::zpz<37>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<35>>; };  // NOLINT
02641 template<> struct ConwayPolynomial<37, 6> { using ZPZ = aerobus::zpz<37>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<35>, ZPZV<4>, ZPZV<30>, ZPZV<2>>; };  // NOLINT
02642 template<> struct ConwayPolynomial<37, 7> { using ZPZ = aerobus::zpz<37>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<35>>; };  // NOLINT
02643 template<> struct ConwayPolynomial<37, 8> { using ZPZ = aerobus::zpz<37>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<20>, ZPZV<27>, ZPZV<1>, ZPZV<2>>; };  // NOLINT
02644 template<> struct ConwayPolynomial<37, 9> { using ZPZ = aerobus::zpz<37>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<20>, ZPZV<32>, ZPZV<35>>; };  // NOLINT
02645 template<> struct ConwayPolynomial<37, 10> { using ZPZ = aerobus::zpz<37>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<29>, ZPZV<18>, ZPZV<11>, ZPZV<4>, ZPZV<2>>; };  //
      NOLINT
02646 template<> struct ConwayPolynomial<37, 11> { using ZPZ = aerobus::zpz<37>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<35>>; };
      // NOLINT
```

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02647 template<> struct ConwayPolynomial<37, 12> { using ZPZ = aerobus::zpz<37>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<31>, ZPZV<10>, ZPZV<23>, ZPZV<23>, ZPZV<18>,
      ZPZV<33>, ZPZV<2>>; };  // NOLINT
02648 template<> struct ConwayPolynomial<37, 13> { using ZPZ = aerobus::zpz<37>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<6>, ZPZV<35>>; };  // NOLINT
02649 template<> struct ConwayPolynomial<37, 14> { using ZPZ = aerobus::zpz<37>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<35>, ZPZV<35>, ZPZV<1>, ZPZV<32>, ZPZV<16>,
      ZPZV<1>, ZPZV<9>, ZPZV<2>>; };  // NOLINT
02650 template<> struct ConwayPolynomial<37, 15> { using ZPZ = aerobus::zpz<37>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<31>, ZPZV<28>, ZPZV<27>,
      ZPZV<13>, ZPZV<34>, ZPZV<33>, ZPZV<35>>; };  // NOLINT
02651 template<> struct ConwayPolynomial<37, 17> { using ZPZ = aerobus::zpz<37>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<35>>; };  // NOLINT
02652 template<> struct ConwayPolynomial<37, 18> { using ZPZ = aerobus::zpz<37>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<8>, ZPZV<19>, ZPZV<15>, ZPZV<1>, ZPZV<22>,
      ZPZV<20>, ZPZV<12>, ZPZV<32>, ZPZV<14>, ZPZV<27>, ZPZV<20>, ZPZV<2>>; };  // NOLINT
02653 template<> struct ConwayPolynomial<37, 19> { using ZPZ = aerobus::zpz<37>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<36>, ZPZV<23>, ZPZV<35>>; };  // NOLINT
02654 template<> struct ConwayPolynomial<41, 1> { using ZPZ = aerobus::zpz<41>; using type = POLYV<ZPZV<1>,
      ZPZV<35>>; };  // NOLINT
02655 template<> struct ConwayPolynomial<41, 2> { using ZPZ = aerobus::zpz<41>; using type = POLYV<ZPZV<1>,
      ZPZV<38>, ZPZV<6>>; };  // NOLINT
02656 template<> struct ConwayPolynomial<41, 3> { using ZPZ = aerobus::zpz<41>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<1>, ZPZV<35>>; };  // NOLINT
02657 template<> struct ConwayPolynomial<41, 4> { using ZPZ = aerobus::zpz<41>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<23>, ZPZV<6>>; };  // NOLINT
02658 template<> struct ConwayPolynomial<41, 5> { using ZPZ = aerobus::zpz<41>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<40>, ZPZV<14>, ZPZV<35>>; };  // NOLINT
02659 template<> struct ConwayPolynomial<41, 6> { using ZPZ = aerobus::zpz<41>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<4>, ZPZV<33>, ZPZV<39>, ZPZV<6>, ZPZV<6>>; };  // NOLINT
02660 template<> struct ConwayPolynomial<41, 7> { using ZPZ = aerobus::zpz<41>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<35>>; };  // NOLINT
02661 template<> struct ConwayPolynomial<41, 8> { using ZPZ = aerobus::zpz<41>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<32>, ZPZV<20>, ZPZV<6>, ZPZV<6>>; };  // NOLINT
02662 template<> struct ConwayPolynomial<41, 9> { using ZPZ = aerobus::zpz<41>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<31>, ZPZV<5>, ZPZV<35>>; };  // NOLINT
02663 template<> struct ConwayPolynomial<41, 10> { using ZPZ = aerobus::zpz<41>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<31>, ZPZV<8>, ZPZV<20>, ZPZV<30>, ZPZV<6>>; };  //
      NOLINT
02664 template<> struct ConwayPolynomial<41, 11> { using ZPZ = aerobus::zpz<41>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<20>, ZPZV<35>>;
      };  // NOLINT
02665 template<> struct ConwayPolynomial<41, 12> { using ZPZ = aerobus::zpz<41>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<26>, ZPZV<13>, ZPZV<34>, ZPZV<24>, ZPZV<21>,
      ZPZV<27>, ZPZV<6>>; };  // NOLINT
02666 template<> struct ConwayPolynomial<41, 13> { using ZPZ = aerobus::zpz<41>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<13>, ZPZV<35>>; };  // NOLINT
02667 template<> struct ConwayPolynomial<41, 14> { using ZPZ = aerobus::zpz<41>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<12>, ZPZV<15>, ZPZV<4>, ZPZV<27>, ZPZV<11>,
      ZPZV<39>, ZPZV<10>, ZPZV<6>>; };  // NOLINT
02668 template<> struct ConwayPolynomial<41, 15> { using ZPZ = aerobus::zpz<41>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<29>, ZPZV<16>, ZPZV<2>,
      ZPZV<35>, ZPZV<10>, ZPZV<21>, ZPZV<35>>; };  // NOLINT
02669 template<> struct ConwayPolynomial<41, 17> { using ZPZ = aerobus::zpz<41>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<35>>; };  // NOLINT
02670 template<> struct ConwayPolynomial<41, 18> { using ZPZ = aerobus::zpz<41>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<7>, ZPZV<20>, ZPZV<23>, ZPZV<35>,
      ZPZV<38>, ZPZV<24>, ZPZV<12>, ZPZV<29>, ZPZV<10>, ZPZV<6>, ZPZV<6>>; };  // NOLINT
02671 template<> struct ConwayPolynomial<41, 19> { using ZPZ = aerobus::zpz<41>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<35>>; };  // NOLINT
02672 template<> struct ConwayPolynomial<43, 1> { using ZPZ = aerobus::zpz<43>; using type = POLYV<ZPZV<1>,
      ZPZV<40>>; };  // NOLINT
02673 template<> struct ConwayPolynomial<43, 2> { using ZPZ = aerobus::zpz<43>; using type = POLYV<ZPZV<1>,
      ZPZV<42>, ZPZV<3>>; };  // NOLINT
02674 template<> struct ConwayPolynomial<43, 3> { using ZPZ = aerobus::zpz<43>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<1>, ZPZV<40>>; };  // NOLINT
02675 template<> struct ConwayPolynomial<43, 4> { using ZPZ = aerobus::zpz<43>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<5>, ZPZV<42>, ZPZV<3>>; };  // NOLINT
02676 template<> struct ConwayPolynomial<43, 5> { using ZPZ = aerobus::zpz<43>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<40>>; };  // NOLINT
02677 template<> struct ConwayPolynomial<43, 6> { using ZPZ = aerobus::zpz<43>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<19>, ZPZV<28>, ZPZV<21>, ZPZV<3>>; };  // NOLINT
02678 template<> struct ConwayPolynomial<43, 7> { using ZPZ = aerobus::zpz<43>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<42>, ZPZV<7>, ZPZV<40>>; };  // NOLINT
02679 template<> struct ConwayPolynomial<43, 8> { using ZPZ = aerobus::zpz<43>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<39>, ZPZV<20>, ZPZV<24>, ZPZV<3>>; };  // NOLINT
02680 template<> struct ConwayPolynomial<43, 9> { using ZPZ = aerobus::zpz<43>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<12>, ZPZV<39>, ZPZV<1>, ZPZV<40>>; };  // NOLINT
02681 template<> struct ConwayPolynomial<43, 10> { using ZPZ = aerobus::zpz<43>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<26>, ZPZV<36>, ZPZV<5>, ZPZV<27>, ZPZV<24>, ZPZV<3>>; };  //
      NOLINT
```

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02682 template<> struct ConwayPolynomial<43, 11> { using ZPZ = aerobus::zpz<43>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<40»; };
      // NOLINT
02683 template<> struct ConwayPolynomial<43, 12> { using ZPZ = aerobus::zpz<43>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<34>, ZPZV<27>, ZPZV<16>, ZPZV<17>, ZPZV<6>, ZPZV<23>,
      ZPZV<38>, ZPZV<3»; };  // NOLINT
02684 template<> struct ConwayPolynomial<43, 13> { using ZPZ = aerobus::zpz<43>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<4>, ZPZV<40»; };  // NOLINT
02685 template<> struct ConwayPolynomial<43, 14> { using ZPZ = aerobus::zpz<43>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<38>, ZPZV<22>, ZPZV<24>, ZPZV<37>,
      ZPZV<18>, ZPZV<4>, ZPZV<19>, ZPZV<3»; };  // NOLINT
02686 template<> struct ConwayPolynomial<43, 15> { using ZPZ = aerobus::zpz<43>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<37>, ZPZV<22>, ZPZV<42>,
      ZPZV<4>, ZPZV<15>, ZPZV<37>, ZPZV<40»; };  // NOLINT
02687 template<> struct ConwayPolynomial<43, 17> { using ZPZ = aerobus::zpz<43>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<36>, ZPZV<40»; };  // NOLINT
02688 template<> struct ConwayPolynomial<43, 18> { using ZPZ = aerobus::zpz<43>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<3>, ZPZV<28>, ZPZV<41>, ZPZV<24>, ZPZV<7>,
      ZPZV<24>, ZPZV<29>, ZPZV<16>, ZPZV<34>, ZPZV<37>, ZPZV<18>, ZPZV<3»; };  // NOLINT
02689 template<> struct ConwayPolynomial<43, 19> { using ZPZ = aerobus::zpz<43>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<30>, ZPZV<40»; };  // NOLINT
02690 template<> struct ConwayPolynomial<47, 1> { using ZPZ = aerobus::zpz<47>; using type = POLYV<ZPZV<1>,
      ZPZV<42»; };  // NOLINT
02691 template<> struct ConwayPolynomial<47, 2> { using ZPZ = aerobus::zpz<47>; using type = POLYV<ZPZV<1>,
      ZPZV<45>, ZPZV<5»; };  // NOLINT
02692 template<> struct ConwayPolynomial<47, 3> { using ZPZ = aerobus::zpz<47>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<3>, ZPZV<42»; };  // NOLINT
02693 template<> struct ConwayPolynomial<47, 4> { using ZPZ = aerobus::zpz<47>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<8>, ZPZV<40>, ZPZV<5»; };  // NOLINT
02694 template<> struct ConwayPolynomial<47, 5> { using ZPZ = aerobus::zpz<47>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<42»; };  // NOLINT
02695 template<> struct ConwayPolynomial<47, 6> { using ZPZ = aerobus::zpz<47>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<2>, ZPZV<35>, ZPZV<9>, ZPZV<41>, ZPZV<5»; };  // NOLINT
02696 template<> struct ConwayPolynomial<47, 7> { using ZPZ = aerobus::zpz<47>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<12>, ZPZV<42»; };  // NOLINT
02697 template<> struct ConwayPolynomial<47, 8> { using ZPZ = aerobus::zpz<47>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<29>, ZPZV<19>, ZPZV<3>, ZPZV<5»; };  // NOLINT
02698 template<> struct ConwayPolynomial<47, 9> { using ZPZ = aerobus::zpz<47>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<19>, ZPZV<1>, ZPZV<42»; };  // NOLINT
02699 template<> struct ConwayPolynomial<47, 10> { using ZPZ = aerobus::zpz<47>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<42>, ZPZV<14>, ZPZV<18>, ZPZV<45>, ZPZV<45>, ZPZV<5»; };  //
      NOLINT
02700 template<> struct ConwayPolynomial<47, 11> { using ZPZ = aerobus::zpz<47>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<42»; };
      // NOLINT
02701 template<> struct ConwayPolynomial<47, 12> { using ZPZ = aerobus::zpz<47>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<46>, ZPZV<40>, ZPZV<35>, ZPZV<12>, ZPZV<46>, ZPZV<14>,
      ZPZV<9>, ZPZV<5»; };  // NOLINT
02702 template<> struct ConwayPolynomial<47, 13> { using ZPZ = aerobus::zpz<47>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<5>, ZPZV<42»; };  // NOLINT
02703 template<> struct ConwayPolynomial<47, 14> { using ZPZ = aerobus::zpz<47>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<36>, ZPZV<20>, ZPZV<30>, ZPZV<17>,
      ZPZV<24>, ZPZV<9>, ZPZV<32>, ZPZV<5»; };  // NOLINT
02704 template<> struct ConwayPolynomial<47, 15> { using ZPZ = aerobus::zpz<47>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<43>, ZPZV<31>, ZPZV<14>,
      ZPZV<42>, ZPZV<13>, ZPZV<17>, ZPZV<42»; };  // NOLINT
02705 template<> struct ConwayPolynomial<47, 17> { using ZPZ = aerobus::zpz<47>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<16>, ZPZV<42»; };  // NOLINT
02706 template<> struct ConwayPolynomial<47, 18> { using ZPZ = aerobus::zpz<47>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<41>, ZPZV<42>, ZPZV<26>, ZPZV<44>,
      ZPZV<24>, ZPZV<22>, ZPZV<11>, ZPZV<5>, ZPZV<45>, ZPZV<33>, ZPZV<5»; };  // NOLINT
02707 template<> struct ConwayPolynomial<47, 19> { using ZPZ = aerobus::zpz<47>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<35>, ZPZV<42»; };  // NOLINT
02708 template<> struct ConwayPolynomial<53, 1> { using ZPZ = aerobus::zpz<53>; using type = POLYV<ZPZV<1>,
      ZPZV<51»; };  // NOLINT
02709 template<> struct ConwayPolynomial<53, 2> { using ZPZ = aerobus::zpz<53>; using type = POLYV<ZPZV<1>,
      ZPZV<49>, ZPZV<2»; };  // NOLINT
02710 template<> struct ConwayPolynomial<53, 3> { using ZPZ = aerobus::zpz<53>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<3>, ZPZV<51»; };  // NOLINT
02711 template<> struct ConwayPolynomial<53, 4> { using ZPZ = aerobus::zpz<53>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<9>, ZPZV<38>, ZPZV<2»; };  // NOLINT
02712 template<> struct ConwayPolynomial<53, 5> { using ZPZ = aerobus::zpz<53>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<51»; };  // NOLINT
02713 template<> struct ConwayPolynomial<53, 6> { using ZPZ = aerobus::zpz<53>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<1>, ZPZV<7>, ZPZV<4>, ZPZV<45>, ZPZV<2»; };  // NOLINT
02714 template<> struct ConwayPolynomial<53, 7> { using ZPZ = aerobus::zpz<53>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<9>, ZPZV<51»; };  // NOLINT
02715 template<> struct ConwayPolynomial<53, 8> { using ZPZ = aerobus::zpz<53>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<29>, ZPZV<18>, ZPZV<1>, ZPZV<2»; };  // NOLINT
02716 template<> struct ConwayPolynomial<53, 9> { using ZPZ = aerobus::zpz<53>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<13>, ZPZV<5>, ZPZV<51»; };  // NOLINT
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02717 template<> struct ConwayPolynomial<53, 10> { using ZPZ = aerobus::zpz<53>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<27>, ZPZV<15>, ZPZV<29>, ZPZV<2>>; };  //
      NOLINT
02718 template<> struct ConwayPolynomial<53, 11> { using ZPZ = aerobus::zpz<53>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<15>, ZPZV<51>>;
      };  // NOLINT
02719 template<> struct ConwayPolynomial<53, 12> { using ZPZ = aerobus::zpz<53>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<34>, ZPZV<4>, ZPZV<13>, ZPZV<10>, ZPZV<42>, ZPZV<34>,
      ZPZV<41>, ZPZV<2>>; };  // NOLINT
02720 template<> struct ConwayPolynomial<53, 13> { using ZPZ = aerobus::zpz<53>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<52>,
      ZPZV<28>, ZPZV<51>>; };  // NOLINT
02721 template<> struct ConwayPolynomial<53, 14> { using ZPZ = aerobus::zpz<53>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<45>, ZPZV<23>, ZPZV<52>, ZPZV<0>, ZPZV<37>,
      ZPZV<12>, ZPZV<23>, ZPZV<2>>; };  // NOLINT
02722 template<> struct ConwayPolynomial<53, 15> { using ZPZ = aerobus::zpz<53>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<22>, ZPZV<31>, ZPZV<15>,
      ZPZV<11>, ZPZV<20>, ZPZV<4>, ZPZV<51>>; };  // NOLINT
02723 template<> struct ConwayPolynomial<53, 17> { using ZPZ = aerobus::zpz<53>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<12>, ZPZV<51>>; };  // NOLINT
02724 template<> struct ConwayPolynomial<53, 18> { using ZPZ = aerobus::zpz<53>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<52>, ZPZV<31>, ZPZV<51>, ZPZV<27>, ZPZV<0>,
      ZPZV<39>, ZPZV<44>, ZPZV<6>, ZPZV<8>, ZPZV<16>, ZPZV<11>, ZPZV<2>>; };  // NOLINT
02725 template<> struct ConwayPolynomial<53, 19> { using ZPZ = aerobus::zpz<53>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<11>, ZPZV<51>>; };  // NOLINT
02726 template<> struct ConwayPolynomial<59, 1> { using ZPZ = aerobus::zpz<59>; using type = POLYV<ZPZV<1>,
      ZPZV<57>>; };  // NOLINT
02727 template<> struct ConwayPolynomial<59, 2> { using ZPZ = aerobus::zpz<59>; using type = POLYV<ZPZV<1>,
      ZPZV<58>, ZPZV<2>>; };  // NOLINT
02728 template<> struct ConwayPolynomial<59, 3> { using ZPZ = aerobus::zpz<59>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<5>, ZPZV<57>>; };  // NOLINT
02729 template<> struct ConwayPolynomial<59, 4> { using ZPZ = aerobus::zpz<59>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<2>, ZPZV<40>, ZPZV<2>>; };  // NOLINT
02730 template<> struct ConwayPolynomial<59, 5> { using ZPZ = aerobus::zpz<59>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<57>>; };  // NOLINT
02731 template<> struct ConwayPolynomial<59, 6> { using ZPZ = aerobus::zpz<59>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<2>, ZPZV<18>, ZPZV<38>, ZPZV<0>, ZPZV<2>>; };  // NOLINT
02732 template<> struct ConwayPolynomial<59, 7> { using ZPZ = aerobus::zpz<59>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<57>>; };  // NOLINT
02733 template<> struct ConwayPolynomial<59, 8> { using ZPZ = aerobus::zpz<59>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<16>, ZPZV<32>, ZPZV<2>, ZPZV<50>, ZPZV<2>>; };  // NOLINT
02734 template<> struct ConwayPolynomial<59, 9> { using ZPZ = aerobus::zpz<59>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<32>, ZPZV<47>, ZPZV<57>>; };  // NOLINT
02735 template<> struct ConwayPolynomial<59, 10> { using ZPZ = aerobus::zpz<59>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<28>, ZPZV<25>, ZPZV<4>, ZPZV<39>, ZPZV<15>, ZPZV<2>>; };  //
      NOLINT
02736 template<> struct ConwayPolynomial<59, 11> { using ZPZ = aerobus::zpz<59>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<57>>; };
      // NOLINT
02737 template<> struct ConwayPolynomial<59, 12> { using ZPZ = aerobus::zpz<59>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<39>, ZPZV<25>, ZPZV<51>, ZPZV<21>, ZPZV<38>, ZPZV<8>,
      ZPZV<1>, ZPZV<2>>; };  // NOLINT
02738 template<> struct ConwayPolynomial<59, 13> { using ZPZ = aerobus::zpz<59>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<3>, ZPZV<57>>; };  // NOLINT
02739 template<> struct ConwayPolynomial<59, 14> { using ZPZ = aerobus::zpz<59>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<33>, ZPZV<51>, ZPZV<11>, ZPZV<13>,
      ZPZV<25>, ZPZV<32>, ZPZV<26>, ZPZV<2>>; };  // NOLINT
02740 template<> struct ConwayPolynomial<59, 15> { using ZPZ = aerobus::zpz<59>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<57>, ZPZV<24>, ZPZV<23>,
      ZPZV<13>, ZPZV<39>, ZPZV<58>, ZPZV<57>>; };  // NOLINT
02741 template<> struct ConwayPolynomial<59, 17> { using ZPZ = aerobus::zpz<59>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<9>, ZPZV<57>>; };  // NOLINT
02742 template<> struct ConwayPolynomial<59, 18> { using ZPZ = aerobus::zpz<59>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<37>, ZPZV<38>, ZPZV<27>, ZPZV<11>,
      ZPZV<14>, ZPZV<7>, ZPZV<44>, ZPZV<16>, ZPZV<47>, ZPZV<34>, ZPZV<32>, ZPZV<2>>; };  // NOLINT
02743 template<> struct ConwayPolynomial<59, 19> { using ZPZ = aerobus::zpz<59>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<11>, ZPZV<57>>; };  // NOLINT
02744 template<> struct ConwayPolynomial<61, 1> { using ZPZ = aerobus::zpz<61>; using type = POLYV<ZPZV<1>,
      ZPZV<59>>; };  // NOLINT
02745 template<> struct ConwayPolynomial<61, 2> { using ZPZ = aerobus::zpz<61>; using type = POLYV<ZPZV<1>,
      ZPZV<60>, ZPZV<2>>; };  // NOLINT
02746 template<> struct ConwayPolynomial<61, 3> { using ZPZ = aerobus::zpz<61>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<7>, ZPZV<59>>; };  // NOLINT
02747 template<> struct ConwayPolynomial<61, 4> { using ZPZ = aerobus::zpz<61>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<3>, ZPZV<40>, ZPZV<2>>; };  // NOLINT
02748 template<> struct ConwayPolynomial<61, 5> { using ZPZ = aerobus::zpz<61>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<12>, ZPZV<59>>; };  // NOLINT
02749 template<> struct ConwayPolynomial<61, 6> { using ZPZ = aerobus::zpz<61>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<49>, ZPZV<3>, ZPZV<29>, ZPZV<2>>; };  // NOLINT
02750 template<> struct ConwayPolynomial<61, 7> { using ZPZ = aerobus::zpz<61>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<59>>; };  // NOLINT
02751 template<> struct ConwayPolynomial<61, 8> { using ZPZ = aerobus::zpz<61>; using type = POLYV<ZPZV<1>,
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      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<57>, ZPZV<1>, ZPZV<56>, ZPZV<2»; };  // NOLINT
02752 template<> struct ConwayPolynomial<61, 9> { using ZPZ = aerobus::zpz<61>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<9>, ZPZV<50>, ZPZV<18>, ZPZV<59»; };  // NOLINT
02753 template<> struct ConwayPolynomial<61, 10> { using ZPZ = aerobus::zpz<61>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<28>, ZPZV<15>, ZPZV<44>, ZPZV<16>, ZPZV<6>, ZPZV<2»; };  //
      NOLINT
02754 template<> struct ConwayPolynomial<61, 11> { using ZPZ = aerobus::zpz<61>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<18>, ZPZV<59»;
      };  // NOLINT
02755 template<> struct ConwayPolynomial<61, 12> { using ZPZ = aerobus::zpz<61>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<42>, ZPZV<33>, ZPZV<8>, ZPZV<38>, ZPZV<14>, ZPZV<1>,
      ZPZV<15>, ZPZV<2»; };  // NOLINT
02756 template<> struct ConwayPolynomial<61, 13> { using ZPZ = aerobus::zpz<61>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<3>, ZPZV<59»; };  // NOLINT
02757 template<> struct ConwayPolynomial<61, 14> { using ZPZ = aerobus::zpz<61>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<48>, ZPZV<26>, ZPZV<11>, ZPZV<8>, ZPZV<30>,
      ZPZV<54>, ZPZV<48>, ZPZV<2»; };  // NOLINT
02758 template<> struct ConwayPolynomial<61, 15> { using ZPZ = aerobus::zpz<61>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<39>, ZPZV<35>, ZPZV<44>,
      ZPZV<25>, ZPZV<23>, ZPZV<51>, ZPZV<59»; };  // NOLINT
02759 template<> struct ConwayPolynomial<61, 17> { using ZPZ = aerobus::zpz<61>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<59»; };  // NOLINT
02760 template<> struct ConwayPolynomial<61, 18> { using ZPZ = aerobus::zpz<61>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<35>, ZPZV<36>, ZPZV<13>, ZPZV<36>, ZPZV<4>,
      ZPZV<32>, ZPZV<57>, ZPZV<42>, ZPZV<25>, ZPZV<25>, ZPZV<52>, ZPZV<2»; };  // NOLINT
02761 template<> struct ConwayPolynomial<61, 19> { using ZPZ = aerobus::zpz<61>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<59»; };  // NOLINT
02762 template<> struct ConwayPolynomial<67, 1> { using ZPZ = aerobus::zpz<67>; using type = POLYV<ZPZV<1>,
      ZPZV<65»; };  // NOLINT
02763 template<> struct ConwayPolynomial<67, 2> { using ZPZ = aerobus::zpz<67>; using type = POLYV<ZPZV<1>,
      ZPZV<63>, ZPZV<2»; };  // NOLINT
02764 template<> struct ConwayPolynomial<67, 3> { using ZPZ = aerobus::zpz<67>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<6>, ZPZV<65»; };  // NOLINT
02765 template<> struct ConwayPolynomial<67, 4> { using ZPZ = aerobus::zpz<67>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<8>, ZPZV<54>, ZPZV<2»; };  // NOLINT
02766 template<> struct ConwayPolynomial<67, 5> { using ZPZ = aerobus::zpz<67>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<65»; };  // NOLINT
02767 template<> struct ConwayPolynomial<67, 6> { using ZPZ = aerobus::zpz<67>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<63>, ZPZV<49>, ZPZV<55>, ZPZV<2»; };  // NOLINT
02768 template<> struct ConwayPolynomial<67, 7> { using ZPZ = aerobus::zpz<67>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<65»; };  // NOLINT
02769 template<> struct ConwayPolynomial<67, 8> { using ZPZ = aerobus::zpz<67>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<46>, ZPZV<17>, ZPZV<64>, ZPZV<2»; };  // NOLINT
02770 template<> struct ConwayPolynomial<67, 9> { using ZPZ = aerobus::zpz<67>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<25>, ZPZV<49>, ZPZV<55>, ZPZV<65»; };  // NOLINT
02771 template<> struct ConwayPolynomial<67, 10> { using ZPZ = aerobus::zpz<67>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<21>, ZPZV<0>, ZPZV<16>, ZPZV<7>, ZPZV<23>, ZPZV<2»; };  //
      NOLINT
02772 template<> struct ConwayPolynomial<67, 11> { using ZPZ = aerobus::zpz<67>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<66>, ZPZV<9>, ZPZV<65»;
      };  // NOLINT
02773 template<> struct ConwayPolynomial<67, 12> { using ZPZ = aerobus::zpz<67>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<57>, ZPZV<27>, ZPZV<4>, ZPZV<55>, ZPZV<64>, ZPZV<21>,
      ZPZV<27>, ZPZV<2»; };  // NOLINT
02774 template<> struct ConwayPolynomial<67, 13> { using ZPZ = aerobus::zpz<67>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<22>, ZPZV<65»; };  // NOLINT
02775 template<> struct ConwayPolynomial<67, 14> { using ZPZ = aerobus::zpz<67>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<17>, ZPZV<22>, ZPZV<5>, ZPZV<56>, ZPZV<0>,
      ZPZV<1>, ZPZV<37>, ZPZV<2»; };  // NOLINT
02776 template<> struct ConwayPolynomial<67, 15> { using ZPZ = aerobus::zpz<67>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<1>, ZPZV<52>, ZPZV<41>,
      ZPZV<20>, ZPZV<21>, ZPZV<46>, ZPZV<65»; };  // NOLINT
02777 template<> struct ConwayPolynomial<67, 17> { using ZPZ = aerobus::zpz<67>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<65»; };  // NOLINT
02778 template<> struct ConwayPolynomial<67, 18> { using ZPZ = aerobus::zpz<67>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<63>, ZPZV<52>, ZPZV<18>, ZPZV<33>,
      ZPZV<55>, ZPZV<28>, ZPZV<29>, ZPZV<51>, ZPZV<6>, ZPZV<59>, ZPZV<13>, ZPZV<2»; };  // NOLINT
02779 template<> struct ConwayPolynomial<67, 19> { using ZPZ = aerobus::zpz<67>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<18>, ZPZV<65»; };  // NOLINT
02780 template<> struct ConwayPolynomial<71, 1> { using ZPZ = aerobus::zpz<71>; using type = POLYV<ZPZV<1>,
      ZPZV<64»; };  // NOLINT
02781 template<> struct ConwayPolynomial<71, 2> { using ZPZ = aerobus::zpz<71>; using type = POLYV<ZPZV<1>,
      ZPZV<69>, ZPZV<7»; };  // NOLINT
02782 template<> struct ConwayPolynomial<71, 3> { using ZPZ = aerobus::zpz<71>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<4>, ZPZV<64»; };  // NOLINT
02783 template<> struct ConwayPolynomial<71, 4> { using ZPZ = aerobus::zpz<71>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<4>, ZPZV<41>, ZPZV<7»; };  // NOLINT
02784 template<> struct ConwayPolynomial<71, 5> { using ZPZ = aerobus::zpz<71>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<18>, ZPZV<64»; };  // NOLINT
02785 template<> struct ConwayPolynomial<71, 6> { using ZPZ = aerobus::zpz<71>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<1>, ZPZV<10>, ZPZV<13>, ZPZV<29>, ZPZV<7»; };  // NOLINT
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02786 template<> struct ConwayPolynomial<71, 7> { using ZPZ = aerobus::zpz<71>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<64»; };  // NOLINT
02787 template<> struct ConwayPolynomial<71, 8> { using ZPZ = aerobus::zpz<71>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<53>, ZPZV<22>, ZPZV<19>, ZPZV<7»; };  // NOLINT
02788 template<> struct ConwayPolynomial<71, 9> { using ZPZ = aerobus::zpz<71>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<43>, ZPZV<62>, ZPZV<64»; };  // NOLINT
02789 template<> struct ConwayPolynomial<71, 10> { using ZPZ = aerobus::zpz<71>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<53>, ZPZV<17>, ZPZV<26>, ZPZV<1>, ZPZV<40>, ZPZV<7»; };  //
      NOLINT
02790 template<> struct ConwayPolynomial<71, 11> { using ZPZ = aerobus::zpz<71>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<48>, ZPZV<64»;
      };  // NOLINT
02791 template<> struct ConwayPolynomial<71, 12> { using ZPZ = aerobus::zpz<71>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<12>, ZPZV<28>, ZPZV<29>, ZPZV<55>, ZPZV<21>, ZPZV<58>,
      ZPZV<23>, ZPZV<7»; };  // NOLINT
02792 template<> struct ConwayPolynomial<71, 13> { using ZPZ = aerobus::zpz<71>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<27>, ZPZV<64»; };  // NOLINT
02793 template<> struct ConwayPolynomial<71, 15> { using ZPZ = aerobus::zpz<71>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<28>, ZPZV<32>, ZPZV<18>,
      ZPZV<52>, ZPZV<67>, ZPZV<49>, ZPZV<64»; };  // NOLINT
02794 template<> struct ConwayPolynomial<71, 17> { using ZPZ = aerobus::zpz<71>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<64»; };  // NOLINT
02795 template<> struct ConwayPolynomial<71, 19> { using ZPZ = aerobus::zpz<71>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<64»; };  // NOLINT
02796 template<> struct ConwayPolynomial<73, 1> { using ZPZ = aerobus::zpz<73>; using type = POLYV<ZPZV<1>,
      ZPZV<68»; };  // NOLINT
02797 template<> struct ConwayPolynomial<73, 2> { using ZPZ = aerobus::zpz<73>; using type = POLYV<ZPZV<1>,
      ZPZV<70>, ZPZV<5»; };  // NOLINT
02798 template<> struct ConwayPolynomial<73, 3> { using ZPZ = aerobus::zpz<73>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<2>, ZPZV<68»; };  // NOLINT
02799 template<> struct ConwayPolynomial<73, 4> { using ZPZ = aerobus::zpz<73>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<16>, ZPZV<56>, ZPZV<5»; };  // NOLINT
02800 template<> struct ConwayPolynomial<73, 5> { using ZPZ = aerobus::zpz<73>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<9>, ZPZV<68»; };  // NOLINT
02801 template<> struct ConwayPolynomial<73, 6> { using ZPZ = aerobus::zpz<73>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<45>, ZPZV<23>, ZPZV<48>, ZPZV<5»; };  // NOLINT
02802 template<> struct ConwayPolynomial<73, 7> { using ZPZ = aerobus::zpz<73>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<68»; };  // NOLINT
02803 template<> struct ConwayPolynomial<73, 8> { using ZPZ = aerobus::zpz<73>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<53>, ZPZV<39>, ZPZV<18>, ZPZV<5»; };  // NOLINT
02804 template<> struct ConwayPolynomial<73, 9> { using ZPZ = aerobus::zpz<73>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<72>, ZPZV<15>, ZPZV<68»; };  // NOLINT
02805 template<> struct ConwayPolynomial<73, 10> { using ZPZ = aerobus::zpz<73>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<15>, ZPZV<23>, ZPZV<33>, ZPZV<32>, ZPZV<69>, ZPZV<5»; };  //
      NOLINT
02806 template<> struct ConwayPolynomial<73, 11> { using ZPZ = aerobus::zpz<73>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<68»; };
      // NOLINT
02807 template<> struct ConwayPolynomial<73, 12> { using ZPZ = aerobus::zpz<73>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<69>, ZPZV<52>, ZPZV<26>, ZPZV<20>, ZPZV<46>, ZPZV<29>,
      ZPZV<25>, ZPZV<5»; };  // NOLINT
02808 template<> struct ConwayPolynomial<73, 13> { using ZPZ = aerobus::zpz<73>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<7>, ZPZV<68»; };  // NOLINT
02809 template<> struct ConwayPolynomial<73, 15> { using ZPZ = aerobus::zpz<73>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<33>,
      ZPZV<57>, ZPZV<57>, ZPZV<62>, ZPZV<68»; };  // NOLINT
02810 template<> struct ConwayPolynomial<73, 17> { using ZPZ = aerobus::zpz<73>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<68»; };  // NOLINT
02811 template<> struct ConwayPolynomial<73, 19> { using ZPZ = aerobus::zpz<73>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<25>, ZPZV<68»; };  // NOLINT
02812 template<> struct ConwayPolynomial<79, 1> { using ZPZ = aerobus::zpz<79>; using type = POLYV<ZPZV<1>,
      ZPZV<76»; };  // NOLINT
02813 template<> struct ConwayPolynomial<79, 2> { using ZPZ = aerobus::zpz<79>; using type = POLYV<ZPZV<1>,
      ZPZV<78>, ZPZV<3»; };  // NOLINT
02814 template<> struct ConwayPolynomial<79, 3> { using ZPZ = aerobus::zpz<79>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<9>, ZPZV<76»; };  // NOLINT
02815 template<> struct ConwayPolynomial<79, 4> { using ZPZ = aerobus::zpz<79>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<2>, ZPZV<66>, ZPZV<3»; };  // NOLINT
02816 template<> struct ConwayPolynomial<79, 5> { using ZPZ = aerobus::zpz<79>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<76»; };  // NOLINT
02817 template<> struct ConwayPolynomial<79, 6> { using ZPZ = aerobus::zpz<79>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<19>, ZPZV<28>, ZPZV<68>, ZPZV<3»; };  // NOLINT
02818 template<> struct ConwayPolynomial<79, 7> { using ZPZ = aerobus::zpz<79>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<76»; };  // NOLINT
02819 template<> struct ConwayPolynomial<79, 8> { using ZPZ = aerobus::zpz<79>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<60>, ZPZV<59>, ZPZV<48>, ZPZV<3»; };  // NOLINT
02820 template<> struct ConwayPolynomial<79, 9> { using ZPZ = aerobus::zpz<79>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<57>, ZPZV<19>, ZPZV<76»; };  // NOLINT
02821 template<> struct ConwayPolynomial<79, 10> { using ZPZ = aerobus::zpz<79>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<44>, ZPZV<51>, ZPZV<1>, ZPZV<30>, ZPZV<42>, ZPZV<3»; };  //
      NOLINT
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02822 template<> struct ConwayPolynomial<79, 11> { using ZPZ = aerobus::zpz<79>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<76»; };
      // NOLINT
02823 template<> struct ConwayPolynomial<79, 12> { using ZPZ = aerobus::zpz<79>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<29>, ZPZV<45>, ZPZV<52>, ZPZV<7>, ZPZV<40>, ZPZV<59>,
      ZPZV<62>, ZPZV<3»; };  // NOLINT
02824 template<> struct ConwayPolynomial<79, 13> { using ZPZ = aerobus::zpz<79>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<78>,
      ZPZV<4>, ZPZV<76»; };  // NOLINT
02825 template<> struct ConwayPolynomial<79, 17> { using ZPZ = aerobus::zpz<79>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<25>, ZPZV<76»; };  // NOLINT
02826 template<> struct ConwayPolynomial<79, 19> { using ZPZ = aerobus::zpz<79>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<25>, ZPZV<76»; };  // NOLINT
02827 template<> struct ConwayPolynomial<83, 1> { using ZPZ = aerobus::zpz<83>; using type = POLYV<ZPZV<1>,
      ZPZV<81»; };  // NOLINT
02828 template<> struct ConwayPolynomial<83, 2> { using ZPZ = aerobus::zpz<83>; using type = POLYV<ZPZV<1>,
      ZPZV<82>, ZPZV<2»; };  // NOLINT
02829 template<> struct ConwayPolynomial<83, 3> { using ZPZ = aerobus::zpz<83>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<3>, ZPZV<81»; };  // NOLINT
02830 template<> struct ConwayPolynomial<83, 4> { using ZPZ = aerobus::zpz<83>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<4>, ZPZV<42>, ZPZV<2»; };  // NOLINT
02831 template<> struct ConwayPolynomial<83, 5> { using ZPZ = aerobus::zpz<83>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<9>, ZPZV<81»; };  // NOLINT
02832 template<> struct ConwayPolynomial<83, 6> { using ZPZ = aerobus::zpz<83>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<1>, ZPZV<76>, ZPZV<32>, ZPZV<17>, ZPZV<2»; };  // NOLINT
02833 template<> struct ConwayPolynomial<83, 7> { using ZPZ = aerobus::zpz<83>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<81»; };  // NOLINT
02834 template<> struct ConwayPolynomial<83, 8> { using ZPZ = aerobus::zpz<83>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<65>, ZPZV<23>, ZPZV<42>, ZPZV<2»; };  // NOLINT
02835 template<> struct ConwayPolynomial<83, 9> { using ZPZ = aerobus::zpz<83>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<24>, ZPZV<18>, ZPZV<81»; };  // NOLINT
02836 template<> struct ConwayPolynomial<83, 10> { using ZPZ = aerobus::zpz<83>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<0>, ZPZV<73>, ZPZV<0>, ZPZV<53>, ZPZV<2»; };  //
      NOLINT
02837 template<> struct ConwayPolynomial<83, 11> { using ZPZ = aerobus::zpz<83>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<17>, ZPZV<81»;
      };  // NOLINT
02838 template<> struct ConwayPolynomial<83, 12> { using ZPZ = aerobus::zpz<83>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<35>, ZPZV<12>, ZPZV<31>, ZPZV<19>, ZPZV<65>, ZPZV<55>,
      ZPZV<75>, ZPZV<2»; };  // NOLINT
02839 template<> struct ConwayPolynomial<83, 13> { using ZPZ = aerobus::zpz<83>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<15>, ZPZV<81»; };  // NOLINT
02840 template<> struct ConwayPolynomial<83, 17> { using ZPZ = aerobus::zpz<83>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<81»; };  // NOLINT
02841 template<> struct ConwayPolynomial<83, 19> { using ZPZ = aerobus::zpz<83>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<47>, ZPZV<81»; };  // NOLINT
02842 template<> struct ConwayPolynomial<89, 1> { using ZPZ = aerobus::zpz<89>; using type = POLYV<ZPZV<1>,
      ZPZV<86»; };  // NOLINT
02843 template<> struct ConwayPolynomial<89, 2> { using ZPZ = aerobus::zpz<89>; using type = POLYV<ZPZV<1>,
      ZPZV<82>, ZPZV<3»; };  // NOLINT
02844 template<> struct ConwayPolynomial<89, 3> { using ZPZ = aerobus::zpz<89>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<3>, ZPZV<86»; };  // NOLINT
02845 template<> struct ConwayPolynomial<89, 4> { using ZPZ = aerobus::zpz<89>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<4>, ZPZV<72>, ZPZV<3»; };  // NOLINT
02846 template<> struct ConwayPolynomial<89, 5> { using ZPZ = aerobus::zpz<89>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<86»; };  // NOLINT
02847 template<> struct ConwayPolynomial<89, 6> { using ZPZ = aerobus::zpz<89>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<1>, ZPZV<82>, ZPZV<80>, ZPZV<15>, ZPZV<3»; };  // NOLINT
02848 template<> struct ConwayPolynomial<89, 7> { using ZPZ = aerobus::zpz<89>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<86»; };  // NOLINT
02849 template<> struct ConwayPolynomial<89, 8> { using ZPZ = aerobus::zpz<89>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<65>, ZPZV<40>, ZPZV<79>, ZPZV<3»; };  // NOLINT
02850 template<> struct ConwayPolynomial<89, 9> { using ZPZ = aerobus::zpz<89>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<12>, ZPZV<6>, ZPZV<86»; };  // NOLINT
02851 template<> struct ConwayPolynomial<89, 10> { using ZPZ = aerobus::zpz<89>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<16>, ZPZV<33>, ZPZV<82>, ZPZV<52>, ZPZV<4>, ZPZV<3»; };  //
      NOLINT
02852 template<> struct ConwayPolynomial<89, 11> { using ZPZ = aerobus::zpz<89>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<88>, ZPZV<26>, ZPZV<86»;
      };  // NOLINT
02853 template<> struct ConwayPolynomial<89, 12> { using ZPZ = aerobus::zpz<89>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<85>, ZPZV<15>, ZPZV<44>, ZPZV<51>, ZPZV<8>, ZPZV<70>,
      ZPZV<52>, ZPZV<3»; };  // NOLINT
02854 template<> struct ConwayPolynomial<89, 13> { using ZPZ = aerobus::zpz<89>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<17>, ZPZV<86»; };  // NOLINT
02855 template<> struct ConwayPolynomial<89, 17> { using ZPZ = aerobus::zpz<89>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<20>, ZPZV<86»; };  // NOLINT
02856 template<> struct ConwayPolynomial<89, 19> { using ZPZ = aerobus::zpz<89>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<34>, ZPZV<86»; };  // NOLINT
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02857 template<> struct ConwayPolynomial<97, 1> { using ZPZ = aerobus::zpz<97>; using type = POLYV<ZPZV<1>,
      ZPZV<92>; };  // NOLINT
02858 template<> struct ConwayPolynomial<97, 2> { using ZPZ = aerobus::zpz<97>; using type = POLYV<ZPZV<1>,
      ZPZV<96>, ZPZV<5>; };  // NOLINT
02859 template<> struct ConwayPolynomial<97, 3> { using ZPZ = aerobus::zpz<97>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<9>, ZPZV<92>; };  // NOLINT
02860 template<> struct ConwayPolynomial<97, 4> { using ZPZ = aerobus::zpz<97>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<6>, ZPZV<80>, ZPZV<5>; };  // NOLINT
02861 template<> struct ConwayPolynomial<97, 5> { using ZPZ = aerobus::zpz<97>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<92>; };  // NOLINT
02862 template<> struct ConwayPolynomial<97, 6> { using ZPZ = aerobus::zpz<97>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<92>, ZPZV<58>, ZPZV<88>, ZPZV<5>; };  // NOLINT
02863 template<> struct ConwayPolynomial<97, 7> { using ZPZ = aerobus::zpz<97>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<92>; };  // NOLINT
02864 template<> struct ConwayPolynomial<97, 8> { using ZPZ = aerobus::zpz<97>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<65>, ZPZV<1>, ZPZV<32>, ZPZV<5>; };  // NOLINT
02865 template<> struct ConwayPolynomial<97, 9> { using ZPZ = aerobus::zpz<97>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<12>, ZPZV<59>, ZPZV<7>, ZPZV<92>; };  // NOLINT
02866 template<> struct ConwayPolynomial<97, 10> { using ZPZ = aerobus::zpz<97>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<22>, ZPZV<66>, ZPZV<34>, ZPZV<34>, ZPZV<20>, ZPZV<5>; };  //
      NOLINT
02867 template<> struct ConwayPolynomial<97, 11> { using ZPZ = aerobus::zpz<97>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<92>>; };
      // NOLINT
02868 template<> struct ConwayPolynomial<97, 12> { using ZPZ = aerobus::zpz<97>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<30>, ZPZV<59>, ZPZV<81>, ZPZV<0>, ZPZV<86>, ZPZV<78>,
      ZPZV<94>, ZPZV<5>>; };  // NOLINT
02869 template<> struct ConwayPolynomial<97, 13> { using ZPZ = aerobus::zpz<97>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<3>, ZPZV<92>>; };  // NOLINT
02870 template<> struct ConwayPolynomial<97, 17> { using ZPZ = aerobus::zpz<97>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<92>>; };  // NOLINT
02871 template<> struct ConwayPolynomial<97, 19> { using ZPZ = aerobus::zpz<97>; using type = POLYV<ZPZV<1>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<15>, ZPZV<92>>; };  // NOLINT
02872 template<> struct ConwayPolynomial<101, 1> { using ZPZ = aerobus::zpz<101>; using type =
      POLYV<ZPZV<1>, ZPZV<99>>; };  // NOLINT
02873 template<> struct ConwayPolynomial<101, 2> { using ZPZ = aerobus::zpz<101>; using type =
      POLYV<ZPZV<1>, ZPZV<97>, ZPZV<2>>; };  // NOLINT
02874 template<> struct ConwayPolynomial<101, 3> { using ZPZ = aerobus::zpz<101>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<99>>; };  // NOLINT
02875 template<> struct ConwayPolynomial<101, 4> { using ZPZ = aerobus::zpz<101>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<78>, ZPZV<2>>; };  // NOLINT
02876 template<> struct ConwayPolynomial<101, 5> { using ZPZ = aerobus::zpz<101>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<99>>; };  // NOLINT
02877 template<> struct ConwayPolynomial<101, 6> { using ZPZ = aerobus::zpz<101>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<90>, ZPZV<20>, ZPZV<67>, ZPZV<2>>; };  // NOLINT
02878 template<> struct ConwayPolynomial<101, 7> { using ZPZ = aerobus::zpz<101>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<99>>; };  // NOLINT
02879 template<> struct ConwayPolynomial<101, 8> { using ZPZ = aerobus::zpz<101>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<76>, ZPZV<29>, ZPZV<24>, ZPZV<2>>; };  //
      NOLINT
02880 template<> struct ConwayPolynomial<101, 9> { using ZPZ = aerobus::zpz<101>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<64>, ZPZV<47>, ZPZV<99>>; };
      // NOLINT
02881 template<> struct ConwayPolynomial<101, 10> { using ZPZ = aerobus::zpz<101>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<67>, ZPZV<49>, ZPZV<100>, ZPZV<100>, ZPZV<52>,
      ZPZV<2>>; };  // NOLINT
02882 template<> struct ConwayPolynomial<101, 11> { using ZPZ = aerobus::zpz<101>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<31>, ZPZV<99>>; };  // NOLINT
02883 template<> struct ConwayPolynomial<101, 12> { using ZPZ = aerobus::zpz<101>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<79>, ZPZV<64>, ZPZV<39>, ZPZV<78>, ZPZV<48>,
      ZPZV<84>, ZPZV<21>, ZPZV<2>>; };  // NOLINT
02884 template<> struct ConwayPolynomial<101, 13> { using ZPZ = aerobus::zpz<101>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<99>>; };  // NOLINT
02885 template<> struct ConwayPolynomial<101, 17> { using ZPZ = aerobus::zpz<101>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<31>, ZPZV<99>>; };  // NOLINT
02886 template<> struct ConwayPolynomial<101, 19> { using ZPZ = aerobus::zpz<101>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<24>, ZPZV<99>>; };  //
      NOLINT
02887 template<> struct ConwayPolynomial<103, 1> { using ZPZ = aerobus::zpz<103>; using type =
      POLYV<ZPZV<1>, ZPZV<98>>; };  // NOLINT
02888 template<> struct ConwayPolynomial<103, 2> { using ZPZ = aerobus::zpz<103>; using type =
      POLYV<ZPZV<1>, ZPZV<102>, ZPZV<5>>; };  // NOLINT
02889 template<> struct ConwayPolynomial<103, 3> { using ZPZ = aerobus::zpz<103>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<98>>; };  // NOLINT
02890 template<> struct ConwayPolynomial<103, 4> { using ZPZ = aerobus::zpz<103>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<88>, ZPZV<5>>; };  // NOLINT
02891 template<> struct ConwayPolynomial<103, 5> { using ZPZ = aerobus::zpz<103>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<11>, ZPZV<98>>; };  // NOLINT
02892 template<> struct ConwayPolynomial<103, 6> { using ZPZ = aerobus::zpz<103>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<96>, ZPZV<9>, ZPZV<30>, ZPZV<5>>; };  // NOLINT
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02893 template<> struct ConwayPolynomial<103, 7> { using ZPZ = aerobus::zpz<103>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<98»; };  // NOLINT
02894 template<> struct ConwayPolynomial<103, 8> { using ZPZ = aerobus::zpz<103>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<70>, ZPZV<71>, ZPZV<49>, ZPZV<5»; };  //
      NOLINT
02895 template<> struct ConwayPolynomial<103, 9> { using ZPZ = aerobus::zpz<103>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<97>, ZPZV<51>, ZPZV<98»; };
      // NOLINT
02896 template<> struct ConwayPolynomial<103, 10> { using ZPZ = aerobus::zpz<103>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<101>, ZPZV<86>, ZPZV<101>, ZPZV<94>, ZPZV<11>,
      ZPZV<5»; };  // NOLINT
02897 template<> struct ConwayPolynomial<103, 11> { using ZPZ = aerobus::zpz<103>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<5>, ZPZV<98»; };  // NOLINT
02898 template<> struct ConwayPolynomial<103, 12> { using ZPZ = aerobus::zpz<103>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<74>, ZPZV<23>, ZPZV<94>, ZPZV<20>, ZPZV<81>,
      ZPZV<29>, ZPZV<88>, ZPZV<5»; };  // NOLINT
02899 template<> struct ConwayPolynomial<103, 13> { using ZPZ = aerobus::zpz<103>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<98»; };  // NOLINT
02900 template<> struct ConwayPolynomial<103, 17> { using ZPZ = aerobus::zpz<103>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<102>, ZPZV<8>, ZPZV<98»; };  // NOLINT
02901 template<> struct ConwayPolynomial<103, 19> { using ZPZ = aerobus::zpz<103>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<98»; };  //
      NOLINT
02902 template<> struct ConwayPolynomial<107, 1> { using ZPZ = aerobus::zpz<107>; using type =
      POLYV<ZPZV<1>, ZPZV<105»; };  // NOLINT
02903 template<> struct ConwayPolynomial<107, 2> { using ZPZ = aerobus::zpz<107>; using type =
      POLYV<ZPZV<1>, ZPZV<103>, ZPZV<2»; };  // NOLINT
02904 template<> struct ConwayPolynomial<107, 3> { using ZPZ = aerobus::zpz<107>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<5>, ZPZV<105»; };  // NOLINT
02905 template<> struct ConwayPolynomial<107, 4> { using ZPZ = aerobus::zpz<107>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<13>, ZPZV<79>, ZPZV<2»; };  // NOLINT
02906 template<> struct ConwayPolynomial<107, 5> { using ZPZ = aerobus::zpz<107>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<105»; };  // NOLINT
02907 template<> struct ConwayPolynomial<107, 6> { using ZPZ = aerobus::zpz<107>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<52>, ZPZV<22>, ZPZV<79>, ZPZV<2»; };  // NOLINT
02908 template<> struct ConwayPolynomial<107, 7> { using ZPZ = aerobus::zpz<107>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<16>, ZPZV<105»; };  // NOLINT
02909 template<> struct ConwayPolynomial<107, 8> { using ZPZ = aerobus::zpz<107>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<105>, ZPZV<24>, ZPZV<95>, ZPZV<2»; };  //
      NOLINT
02910 template<> struct ConwayPolynomial<107, 9> { using ZPZ = aerobus::zpz<107>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<3>, ZPZV<66>, ZPZV<105»; };
      // NOLINT
02911 template<> struct ConwayPolynomial<107, 10> { using ZPZ = aerobus::zpz<107>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<94>, ZPZV<61>, ZPZV<83>, ZPZV<83>, ZPZV<95>,
      ZPZV<2»; };  // NOLINT
02912 template<> struct ConwayPolynomial<107, 11> { using ZPZ = aerobus::zpz<107>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<8>, ZPZV<105»; };  // NOLINT
02913 template<> struct ConwayPolynomial<107, 12> { using ZPZ = aerobus::zpz<107>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<37>, ZPZV<48>, ZPZV<6>, ZPZV<0>, ZPZV<61>,
      ZPZV<42>, ZPZV<57>, ZPZV<2»; };  // NOLINT
02914 template<> struct ConwayPolynomial<107, 13> { using ZPZ = aerobus::zpz<107>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<105»; };  // NOLINT
02915 template<> struct ConwayPolynomial<107, 17> { using ZPZ = aerobus::zpz<107>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<105»; };  // NOLINT
02916 template<> struct ConwayPolynomial<107, 19> { using ZPZ = aerobus::zpz<107>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<24>, ZPZV<105»; };  //
      NOLINT
02917 template<> struct ConwayPolynomial<109, 1> { using ZPZ = aerobus::zpz<109>; using type =
      POLYV<ZPZV<1>, ZPZV<103»; };  // NOLINT
02918 template<> struct ConwayPolynomial<109, 2> { using ZPZ = aerobus::zpz<109>; using type =
      POLYV<ZPZV<1>, ZPZV<108>, ZPZV<6»; };  // NOLINT
02919 template<> struct ConwayPolynomial<109, 3> { using ZPZ = aerobus::zpz<109>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<103»; };  // NOLINT
02920 template<> struct ConwayPolynomial<109, 4> { using ZPZ = aerobus::zpz<109>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<11>, ZPZV<98>, ZPZV<6»; };  // NOLINT
02921 template<> struct ConwayPolynomial<109, 5> { using ZPZ = aerobus::zpz<109>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<103»; };  // NOLINT
02922 template<> struct ConwayPolynomial<109, 6> { using ZPZ = aerobus::zpz<109>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<107>, ZPZV<102>, ZPZV<66>, ZPZV<6»; };  // NOLINT
02923 template<> struct ConwayPolynomial<109, 7> { using ZPZ = aerobus::zpz<109>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<14>, ZPZV<103»; };  // NOLINT
02924 template<> struct ConwayPolynomial<109, 8> { using ZPZ = aerobus::zpz<109>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<102>, ZPZV<34>, ZPZV<86>, ZPZV<6»; };  //
      NOLINT
02925 template<> struct ConwayPolynomial<109, 9> { using ZPZ = aerobus::zpz<109>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<93>, ZPZV<87>, ZPZV<103»; };
      // NOLINT
02926 template<> struct ConwayPolynomial<109, 10> { using ZPZ = aerobus::zpz<109>; using type =
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      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<71>, ZPZV<55>, ZPZV<16>, ZPZV<75>, ZPZV<69>,
      ZPZV<6»; };  // NOLINT
02927 template<> struct ConwayPolynomial<109, 11> { using ZPZ = aerobus::zpz<109>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<11>, ZPZV<103»; };  // NOLINT
02928 template<> struct ConwayPolynomial<109, 12> { using ZPZ = aerobus::zpz<109>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<50>, ZPZV<53>, ZPZV<37>, ZPZV<8>, ZPZV<65>,
      ZPZV<103>, ZPZV<28>, ZPZV<6»; };  // NOLINT
02929 template<> struct ConwayPolynomial<109, 13> { using ZPZ = aerobus::zpz<109>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<103»; };  // NOLINT
02930 template<> struct ConwayPolynomial<109, 17> { using ZPZ = aerobus::zpz<109>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<103»; };  // NOLINT
02931 template<> struct ConwayPolynomial<109, 19> { using ZPZ = aerobus::zpz<109>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<15>, ZPZV<103»; };  //
      NOLINT
02932 template<> struct ConwayPolynomial<113, 1> { using ZPZ = aerobus::zpz<113>; using type =
      POLYV<ZPZV<1>, ZPZV<110»; };  // NOLINT
02933 template<> struct ConwayPolynomial<113, 2> { using ZPZ = aerobus::zpz<113>; using type =
      POLYV<ZPZV<1>, ZPZV<101>, ZPZV<3»; };  // NOLINT
02934 template<> struct ConwayPolynomial<113, 3> { using ZPZ = aerobus::zpz<113>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<8>, ZPZV<110»; };  // NOLINT
02935 template<> struct ConwayPolynomial<113, 4> { using ZPZ = aerobus::zpz<113>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<62>, ZPZV<3»; };  // NOLINT
02936 template<> struct ConwayPolynomial<113, 5> { using ZPZ = aerobus::zpz<113>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<110»; };  // NOLINT
02937 template<> struct ConwayPolynomial<113, 6> { using ZPZ = aerobus::zpz<113>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<59>, ZPZV<30>, ZPZV<71>, ZPZV<3»; };  // NOLINT
02938 template<> struct ConwayPolynomial<113, 7> { using ZPZ = aerobus::zpz<113>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<110»; };  // NOLINT
02939 template<> struct ConwayPolynomial<113, 8> { using ZPZ = aerobus::zpz<113>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<98>, ZPZV<38>, ZPZV<28>, ZPZV<3»; };  //
      NOLINT
02940 template<> struct ConwayPolynomial<113, 9> { using ZPZ = aerobus::zpz<113>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<87>, ZPZV<71>, ZPZV<110»; };
      // NOLINT
02941 template<> struct ConwayPolynomial<113, 10> { using ZPZ = aerobus::zpz<113>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<108>, ZPZV<57>, ZPZV<45>, ZPZV<83>, ZPZV<56>,
      ZPZV<3»; };  // NOLINT
02942 template<> struct ConwayPolynomial<113, 11> { using ZPZ = aerobus::zpz<113>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<3>, ZPZV<110»; };  // NOLINT
02943 template<> struct ConwayPolynomial<113, 12> { using ZPZ = aerobus::zpz<113>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<23>, ZPZV<62>, ZPZV<4>, ZPZV<98>, ZPZV<56>,
      ZPZV<10>, ZPZV<27>, ZPZV<3»; };  // NOLINT
02944 template<> struct ConwayPolynomial<113, 13> { using ZPZ = aerobus::zpz<113>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<110»; };  // NOLINT
02945 template<> struct ConwayPolynomial<113, 17> { using ZPZ = aerobus::zpz<113>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<110»; };  // NOLINT
02946 template<> struct ConwayPolynomial<113, 19> { using ZPZ = aerobus::zpz<113>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<22>, ZPZV<110»; };  //
      NOLINT
02947 template<> struct ConwayPolynomial<127, 1> { using ZPZ = aerobus::zpz<127>; using type =
      POLYV<ZPZV<1>, ZPZV<124»; };  // NOLINT
02948 template<> struct ConwayPolynomial<127, 2> { using ZPZ = aerobus::zpz<127>; using type =
      POLYV<ZPZV<1>, ZPZV<126>, ZPZV<3»; };  // NOLINT
02949 template<> struct ConwayPolynomial<127, 3> { using ZPZ = aerobus::zpz<127>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<124»; };  // NOLINT
02950 template<> struct ConwayPolynomial<127, 4> { using ZPZ = aerobus::zpz<127>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<97>, ZPZV<3»; };  // NOLINT
02951 template<> struct ConwayPolynomial<127, 5> { using ZPZ = aerobus::zpz<127>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<124»; };  // NOLINT
02952 template<> struct ConwayPolynomial<127, 6> { using ZPZ = aerobus::zpz<127>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<84>, ZPZV<115>, ZPZV<82>, ZPZV<3»; };  // NOLINT
02953 template<> struct ConwayPolynomial<127, 7> { using ZPZ = aerobus::zpz<127>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<15>, ZPZV<124»; };  // NOLINT
02954 template<> struct ConwayPolynomial<127, 8> { using ZPZ = aerobus::zpz<127>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<104>, ZPZV<55>, ZPZV<8>, ZPZV<3»; };  //
      NOLINT
02955 template<> struct ConwayPolynomial<127, 9> { using ZPZ = aerobus::zpz<127>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<14>, ZPZV<119>, ZPZV<126>, ZPZV<124»;
      };  // NOLINT
02956 template<> struct ConwayPolynomial<127, 10> { using ZPZ = aerobus::zpz<127>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<107>, ZPZV<64>, ZPZV<95>, ZPZV<60>, ZPZV<4>,
      ZPZV<3»; };  // NOLINT
02957 template<> struct ConwayPolynomial<127, 11> { using ZPZ = aerobus::zpz<127>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<11>, ZPZV<124»; };  // NOLINT
02958 template<> struct ConwayPolynomial<127, 12> { using ZPZ = aerobus::zpz<127>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<119>, ZPZV<25>, ZPZV<33>, ZPZV<97>, ZPZV<15>,
      ZPZV<99>, ZPZV<8>, ZPZV<3»; };  // NOLINT
02959 template<> struct ConwayPolynomial<127, 13> { using ZPZ = aerobus::zpz<127>; using type =
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      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<124»; };  // NOLINT
02960 template<> struct ConwayPolynomial<127, 17> { using ZPZ = aerobus::zpz<127>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<9>, ZPZV<124»; };  // NOLINT
02961 template<> struct ConwayPolynomial<127, 19> { using ZPZ = aerobus::zpz<127>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<30>, ZPZV<124»; };  //
      NOLINT
02962 template<> struct ConwayPolynomial<131, 1> { using ZPZ = aerobus::zpz<131>; using type =
      POLYV<ZPZV<1>, ZPZV<129»; };  // NOLINT
02963 template<> struct ConwayPolynomial<131, 2> { using ZPZ = aerobus::zpz<131>; using type =
      POLYV<ZPZV<1>, ZPZV<127>, ZPZV<2»; };  // NOLINT
02964 template<> struct ConwayPolynomial<131, 3> { using ZPZ = aerobus::zpz<131>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<129»; };  // NOLINT
02965 template<> struct ConwayPolynomial<131, 4> { using ZPZ = aerobus::zpz<131>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<9>, ZPZV<109>, ZPZV<2»; };  // NOLINT
02966 template<> struct ConwayPolynomial<131, 5> { using ZPZ = aerobus::zpz<131>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<19>, ZPZV<129»; };  // NOLINT
02967 template<> struct ConwayPolynomial<131, 6> { using ZPZ = aerobus::zpz<131>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<66>, ZPZV<4>, ZPZV<22>, ZPZV<2»; };  // NOLINT
02968 template<> struct ConwayPolynomial<131, 7> { using ZPZ = aerobus::zpz<131>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<129»; };  // NOLINT
02969 template<> struct ConwayPolynomial<131, 8> { using ZPZ = aerobus::zpz<131>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<72>, ZPZV<116>, ZPZV<104>, ZPZV<2»; };  //
      NOLINT
02970 template<> struct ConwayPolynomial<131, 9> { using ZPZ = aerobus::zpz<131>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<6>, ZPZV<19>, ZPZV<129»; };
      // NOLINT
02971 template<> struct ConwayPolynomial<131, 10> { using ZPZ = aerobus::zpz<131>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<124>, ZPZV<97>, ZPZV<9>, ZPZV<126>, ZPZV<44>,
      ZPZV<2»; };  // NOLINT
02972 template<> struct ConwayPolynomial<131, 11> { using ZPZ = aerobus::zpz<131>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<6>, ZPZV<129»; };  // NOLINT
02973 template<> struct ConwayPolynomial<131, 12> { using ZPZ = aerobus::zpz<131>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<50>, ZPZV<122>, ZPZV<40>, ZPZV<83>, ZPZV<125>,
      ZPZV<28>, ZPZV<103>, ZPZV<2»; };  // NOLINT
02974 template<> struct ConwayPolynomial<131, 13> { using ZPZ = aerobus::zpz<131>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<9>, ZPZV<129»; };  // NOLINT
02975 template<> struct ConwayPolynomial<131, 17> { using ZPZ = aerobus::zpz<131>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<129»; };  // NOLINT
02976 template<> struct ConwayPolynomial<131, 19> { using ZPZ = aerobus::zpz<131>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<9>, ZPZV<129»; };  //
      NOLINT
02977 template<> struct ConwayPolynomial<137, 1> { using ZPZ = aerobus::zpz<137>; using type =
      POLYV<ZPZV<1>, ZPZV<134»; };  // NOLINT
02978 template<> struct ConwayPolynomial<137, 2> { using ZPZ = aerobus::zpz<137>; using type =
      POLYV<ZPZV<1>, ZPZV<131>, ZPZV<3»; };  // NOLINT
02979 template<> struct ConwayPolynomial<137, 3> { using ZPZ = aerobus::zpz<137>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<6>, ZPZV<134»; };  // NOLINT
02980 template<> struct ConwayPolynomial<137, 4> { using ZPZ = aerobus::zpz<137>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<95>, ZPZV<3»; };  // NOLINT
02981 template<> struct ConwayPolynomial<137, 5> { using ZPZ = aerobus::zpz<137>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<134»; };  // NOLINT
02982 template<> struct ConwayPolynomial<137, 6> { using ZPZ = aerobus::zpz<137>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<116>, ZPZV<102>, ZPZV<3>, ZPZV<3»; };  // NOLINT
02983 template<> struct ConwayPolynomial<137, 7> { using ZPZ = aerobus::zpz<137>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<134»; };  // NOLINT
02984 template<> struct ConwayPolynomial<137, 8> { using ZPZ = aerobus::zpz<137>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<105>, ZPZV<21>, ZPZV<34>, ZPZV<3»; };  //
      NOLINT
02985 template<> struct ConwayPolynomial<137, 9> { using ZPZ = aerobus::zpz<137>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<80>, ZPZV<122>, ZPZV<134»;
      };  // NOLINT
02986 template<> struct ConwayPolynomial<137, 10> { using ZPZ = aerobus::zpz<137>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<0>, ZPZV<20>, ZPZV<67>, ZPZV<93>, ZPZV<119>,
      ZPZV<3»; };  // NOLINT
02987 template<> struct ConwayPolynomial<137, 11> { using ZPZ = aerobus::zpz<137>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<1>, ZPZV<134»; };  // NOLINT
02988 template<> struct ConwayPolynomial<137, 12> { using ZPZ = aerobus::zpz<137>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<61>, ZPZV<40>, ZPZV<40>, ZPZV<12>, ZPZV<36>,
      ZPZV<135>, ZPZV<61>, ZPZV<3»; };  // NOLINT
02989 template<> struct ConwayPolynomial<137, 13> { using ZPZ = aerobus::zpz<137>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<14>, ZPZV<134»; };  // NOLINT
02990 template<> struct ConwayPolynomial<137, 17> { using ZPZ = aerobus::zpz<137>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<136>, ZPZV<4>, ZPZV<134»; };  // NOLINT
02991 template<> struct ConwayPolynomial<137, 19> { using ZPZ = aerobus::zpz<137>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<18>, ZPZV<134»; };  //
      NOLINT
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02992 template<> struct ConwayPolynomial<139, 1> { using ZPZ = aerobus::zpz<139>; using type =
      POLYV<ZPZV<1>, ZPZV<137»; }; // NOLINT
02993 template<> struct ConwayPolynomial<139, 2> { using ZPZ = aerobus::zpz<139>; using type =
      POLYV<ZPZV<1>, ZPZV<138>, ZPZV<2»; }; // NOLINT
02994 template<> struct ConwayPolynomial<139, 3> { using ZPZ = aerobus::zpz<139>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<6>, ZPZV<137»; }; // NOLINT
02995 template<> struct ConwayPolynomial<139, 4> { using ZPZ = aerobus::zpz<139>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<7>, ZPZV<96>, ZPZV<2»; }; // NOLINT
02996 template<> struct ConwayPolynomial<139, 5> { using ZPZ = aerobus::zpz<139>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<137»; }; // NOLINT
02997 template<> struct ConwayPolynomial<139, 6> { using ZPZ = aerobus::zpz<139>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<4>, ZPZV<46>, ZPZV<10>, ZPZV<118>, ZPZV<2»; }; // NOLINT
02998 template<> struct ConwayPolynomial<139, 7> { using ZPZ = aerobus::zpz<139>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<9>, ZPZV<137»; }; // NOLINT
02999 template<> struct ConwayPolynomial<139, 8> { using ZPZ = aerobus::zpz<139>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<103>, ZPZV<36>, ZPZV<21>, ZPZV<2»; }; //
      NOLINT
03000 template<> struct ConwayPolynomial<139, 9> { using ZPZ = aerobus::zpz<139>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<70>, ZPZV<87>, ZPZV<137»; };
      // NOLINT
03001 template<> struct ConwayPolynomial<139, 10> { using ZPZ = aerobus::zpz<139>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<110>, ZPZV<48>, ZPZV<130>, ZPZV<66>,
      ZPZV<106>, ZPZV<2»; }; // NOLINT
03002 template<> struct ConwayPolynomial<139, 11> { using ZPZ = aerobus::zpz<139>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<7>, ZPZV<137»; }; // NOLINT
03003 template<> struct ConwayPolynomial<139, 12> { using ZPZ = aerobus::zpz<139>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<120>, ZPZV<75>, ZPZV<41>, ZPZV<77>, ZPZV<106>,
      ZPZV<8>, ZPZV<10>, ZPZV<2»; }; // NOLINT
03004 template<> struct ConwayPolynomial<139, 13> { using ZPZ = aerobus::zpz<139>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<22>, ZPZV<137»; }; // NOLINT
03005 template<> struct ConwayPolynomial<139, 17> { using ZPZ = aerobus::zpz<139>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<137»; }; // NOLINT
03006 template<> struct ConwayPolynomial<139, 19> { using ZPZ = aerobus::zpz<139>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<23>, ZPZV<137»; }; //
      NOLINT
03007 template<> struct ConwayPolynomial<149, 1> { using ZPZ = aerobus::zpz<149>; using type =
      POLYV<ZPZV<1>, ZPZV<147»; }; // NOLINT
03008 template<> struct ConwayPolynomial<149, 2> { using ZPZ = aerobus::zpz<149>; using type =
      POLYV<ZPZV<1>, ZPZV<145>, ZPZV<2»; }; // NOLINT
03009 template<> struct ConwayPolynomial<149, 3> { using ZPZ = aerobus::zpz<149>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<147»; }; // NOLINT
03010 template<> struct ConwayPolynomial<149, 4> { using ZPZ = aerobus::zpz<149>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<7>, ZPZV<107>, ZPZV<2»; }; // NOLINT
03011 template<> struct ConwayPolynomial<149, 5> { using ZPZ = aerobus::zpz<149>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<147»; }; // NOLINT
03012 template<> struct ConwayPolynomial<149, 6> { using ZPZ = aerobus::zpz<149>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<105>, ZPZV<33>, ZPZV<55>, ZPZV<2»; }; // NOLINT
03013 template<> struct ConwayPolynomial<149, 7> { using ZPZ = aerobus::zpz<149>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<19>, ZPZV<147»; }; // NOLINT
03014 template<> struct ConwayPolynomial<149, 8> { using ZPZ = aerobus::zpz<149>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<140>, ZPZV<25>, ZPZV<123>, ZPZV<2»; }; //
      NOLINT
03015 template<> struct ConwayPolynomial<149, 9> { using ZPZ = aerobus::zpz<149>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<146>, ZPZV<20>, ZPZV<147»;
      }; // NOLINT
03016 template<> struct ConwayPolynomial<149, 10> { using ZPZ = aerobus::zpz<149>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<74>, ZPZV<42>, ZPZV<148>, ZPZV<143>, ZPZV<51>,
      ZPZV<2»; }; // NOLINT
03017 template<> struct ConwayPolynomial<149, 11> { using ZPZ = aerobus::zpz<149>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<33>, ZPZV<147»; }; // NOLINT
03018 template<> struct ConwayPolynomial<149, 12> { using ZPZ = aerobus::zpz<149>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<121>, ZPZV<91>, ZPZV<52>, ZPZV<9>,
      ZPZV<104>, ZPZV<110>, ZPZV<2»; }; // NOLINT
03019 template<> struct ConwayPolynomial<149, 13> { using ZPZ = aerobus::zpz<149>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<147»; }; // NOLINT
03020 template<> struct ConwayPolynomial<149, 17> { using ZPZ = aerobus::zpz<149>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<29>, ZPZV<147»; }; // NOLINT
03021 template<> struct ConwayPolynomial<149, 19> { using ZPZ = aerobus::zpz<149>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<147»; }; //
      NOLINT
03022 template<> struct ConwayPolynomial<151, 1> { using ZPZ = aerobus::zpz<151>; using type =
      POLYV<ZPZV<1>, ZPZV<145»; }; // NOLINT
03023 template<> struct ConwayPolynomial<151, 2> { using ZPZ = aerobus::zpz<151>; using type =
      POLYV<ZPZV<1>, ZPZV<149>, ZPZV<6»; }; // NOLINT
03024 template<> struct ConwayPolynomial<151, 3> { using ZPZ = aerobus::zpz<151>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<145»; }; // NOLINT
03025 template<> struct ConwayPolynomial<151, 4> { using ZPZ = aerobus::zpz<151>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<13>, ZPZV<89>, ZPZV<6»; }; // NOLINT
03026 template<> struct ConwayPolynomial<151, 5> { using ZPZ = aerobus::zpz<151>; using type =
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      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<11>, ZPZV<145»; };  // NOLINT
03027 template<> struct ConwayPolynomial<151, 6> { using ZPZ = aerobus::zpz<151>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<125>, ZPZV<18>, ZPZV<15>, ZPZV<6»; };  // NOLINT
03028 template<> struct ConwayPolynomial<151, 7> { using ZPZ = aerobus::zpz<151>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<9>, ZPZV<145»; };  // NOLINT
03029 template<> struct ConwayPolynomial<151, 8> { using ZPZ = aerobus::zpz<151>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<9>, ZPZV<140>, ZPZV<122>, ZPZV<43>, ZPZV<6»; };  //
      NOLINT
03030 template<> struct ConwayPolynomial<151, 9> { using ZPZ = aerobus::zpz<151>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<126>, ZPZV<96>, ZPZV<145»;
      };  // NOLINT
03031 template<> struct ConwayPolynomial<151, 10> { using ZPZ = aerobus::zpz<151>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<21>, ZPZV<104>, ZPZV<49>, ZPZV<20>, ZPZV<142>,
      ZPZV<6»; };  // NOLINT
03032 template<> struct ConwayPolynomial<151, 11> { using ZPZ = aerobus::zpz<151>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<1>, ZPZV<145»; };  // NOLINT
03033 template<> struct ConwayPolynomial<151, 12> { using ZPZ = aerobus::zpz<151>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<109>, ZPZV<121>, ZPZV<101>, ZPZV<6>, ZPZV<77>,
      ZPZV<107>, ZPZV<147>, ZPZV<6»; };  // NOLINT
03034 template<> struct ConwayPolynomial<151, 13> { using ZPZ = aerobus::zpz<151>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<12>, ZPZV<145»; };  // NOLINT
03035 template<> struct ConwayPolynomial<151, 17> { using ZPZ = aerobus::zpz<151>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<24>, ZPZV<145»; };  // NOLINT
03036 template<> struct ConwayPolynomial<151, 19> { using ZPZ = aerobus::zpz<151>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<9>, ZPZV<145»; };  //
      NOLINT
03037 template<> struct ConwayPolynomial<157, 1> { using ZPZ = aerobus::zpz<157>; using type =
      POLYV<ZPZV<1>, ZPZV<152»; };  // NOLINT
03038 template<> struct ConwayPolynomial<157, 2> { using ZPZ = aerobus::zpz<157>; using type =
      POLYV<ZPZV<1>, ZPZV<152>, ZPZV<5»; };  // NOLINT
03039 template<> struct ConwayPolynomial<157, 3> { using ZPZ = aerobus::zpz<157>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<152»; };  // NOLINT
03040 template<> struct ConwayPolynomial<157, 4> { using ZPZ = aerobus::zpz<157>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<11>, ZPZV<136>, ZPZV<5»; };  // NOLINT
03041 template<> struct ConwayPolynomial<157, 5> { using ZPZ = aerobus::zpz<157>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<152»; };  // NOLINT
03042 template<> struct ConwayPolynomial<157, 6> { using ZPZ = aerobus::zpz<157>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<130>, ZPZV<43>, ZPZV<144>, ZPZV<5»; };  // NOLINT
03043 template<> struct ConwayPolynomial<157, 7> { using ZPZ = aerobus::zpz<157>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<14>, ZPZV<152»; };  // NOLINT
03044 template<> struct ConwayPolynomial<157, 8> { using ZPZ = aerobus::zpz<157>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<97>, ZPZV<40>, ZPZV<153>, ZPZV<5»; };  //
      NOLINT
03045 template<> struct ConwayPolynomial<157, 9> { using ZPZ = aerobus::zpz<157>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<114>, ZPZV<52>, ZPZV<152»;
      };  // NOLINT
03046 template<> struct ConwayPolynomial<157, 10> { using ZPZ = aerobus::zpz<157>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<61>, ZPZV<22>, ZPZV<124>, ZPZV<61>, ZPZV<93>,
      ZPZV<5»; };  // NOLINT
03047 template<> struct ConwayPolynomial<157, 11> { using ZPZ = aerobus::zpz<157>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<29>, ZPZV<152»; };  // NOLINT
03048 template<> struct ConwayPolynomial<157, 12> { using ZPZ = aerobus::zpz<157>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<77>, ZPZV<110>, ZPZV<72>, ZPZV<137>, ZPZV<43>,
      ZPZV<152>, ZPZV<57>, ZPZV<5»; };  // NOLINT
03049 template<> struct ConwayPolynomial<157, 13> { using ZPZ = aerobus::zpz<157>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<156>, ZPZV<9>, ZPZV<152»; };  // NOLINT
03050 template<> struct ConwayPolynomial<157, 17> { using ZPZ = aerobus::zpz<157>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<12>, ZPZV<152»; };  // NOLINT
03051 template<> struct ConwayPolynomial<157, 19> { using ZPZ = aerobus::zpz<157>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<14>, ZPZV<152»; };  //
      NOLINT
03052 template<> struct ConwayPolynomial<163, 1> { using ZPZ = aerobus::zpz<163>; using type =
      POLYV<ZPZV<1>, ZPZV<161»; };  // NOLINT
03053 template<> struct ConwayPolynomial<163, 2> { using ZPZ = aerobus::zpz<163>; using type =
      POLYV<ZPZV<1>, ZPZV<159>, ZPZV<2»; };  // NOLINT
03054 template<> struct ConwayPolynomial<163, 3> { using ZPZ = aerobus::zpz<163>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<7>, ZPZV<161»; };  // NOLINT
03055 template<> struct ConwayPolynomial<163, 4> { using ZPZ = aerobus::zpz<163>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<8>, ZPZV<91>, ZPZV<2»; };  // NOLINT
03056 template<> struct ConwayPolynomial<163, 5> { using ZPZ = aerobus::zpz<163>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<161»; };  // NOLINT
03057 template<> struct ConwayPolynomial<163, 6> { using ZPZ = aerobus::zpz<163>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<83>, ZPZV<25>, ZPZV<156>, ZPZV<2»; };  // NOLINT
03058 template<> struct ConwayPolynomial<163, 7> { using ZPZ = aerobus::zpz<163>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<9>, ZPZV<161»; };  // NOLINT
03059 template<> struct ConwayPolynomial<163, 8> { using ZPZ = aerobus::zpz<163>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<132>, ZPZV<83>, ZPZV<6>, ZPZV<2»; };  //
      NOLINT
03060 template<> struct ConwayPolynomial<163, 9> { using ZPZ = aerobus::zpz<163>; using type =
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      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<15>, ZPZV<162>, ZPZV<127>, ZPZV<161»;
      };  // NOLINT
03061 template<> struct ConwayPolynomial<163, 10> { using ZPZ = aerobus::zpz<163>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<111>, ZPZV<120>, ZPZV<125>, ZPZV<15>, ZPZV<0>,
      ZPZV<2»; };  // NOLINT
03062 template<> struct ConwayPolynomial<163, 11> { using ZPZ = aerobus::zpz<163>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<11>, ZPZV<161»; };  // NOLINT
03063 template<> struct ConwayPolynomial<163, 12> { using ZPZ = aerobus::zpz<163>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<39>, ZPZV<112>, ZPZV<31>, ZPZV<38>, ZPZV<103>,
      ZPZV<10>, ZPZV<69>, ZPZV<2»; };  // NOLINT
03064 template<> struct ConwayPolynomial<163, 13> { using ZPZ = aerobus::zpz<163>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<24>, ZPZV<161»; };  // NOLINT
03065 template<> struct ConwayPolynomial<163, 17> { using ZPZ = aerobus::zpz<163>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<71>, ZPZV<161»; };  // NOLINT
03066 template<> struct ConwayPolynomial<163, 19> { using ZPZ = aerobus::zpz<163>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<161»; };  //
      NOLINT
03067 template<> struct ConwayPolynomial<167, 1> { using ZPZ = aerobus::zpz<167>; using type =
      POLYV<ZPZV<1>, ZPZV<162»; };  // NOLINT
03068 template<> struct ConwayPolynomial<167, 2> { using ZPZ = aerobus::zpz<167>; using type =
      POLYV<ZPZV<1>, ZPZV<166>, ZPZV<5»; };  // NOLINT
03069 template<> struct ConwayPolynomial<167, 3> { using ZPZ = aerobus::zpz<167>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<7>, ZPZV<162»; };  // NOLINT
03070 template<> struct ConwayPolynomial<167, 4> { using ZPZ = aerobus::zpz<167>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<120>, ZPZV<5»; };  // NOLINT
03071 template<> struct ConwayPolynomial<167, 5> { using ZPZ = aerobus::zpz<167>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<162»; };  // NOLINT
03072 template<> struct ConwayPolynomial<167, 6> { using ZPZ = aerobus::zpz<167>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<75>, ZPZV<38>, ZPZV<2>, ZPZV<5»; };  // NOLINT
03073 template<> struct ConwayPolynomial<167, 7> { using ZPZ = aerobus::zpz<167>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<162»; };  // NOLINT
03074 template<> struct ConwayPolynomial<167, 8> { using ZPZ = aerobus::zpz<167>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<149>, ZPZV<56>, ZPZV<113>, ZPZV<5»; };  //
      NOLINT
03075 template<> struct ConwayPolynomial<167, 9> { using ZPZ = aerobus::zpz<167>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<165>, ZPZV<122>, ZPZV<162»;
      };  // NOLINT
03076 template<> struct ConwayPolynomial<167, 10> { using ZPZ = aerobus::zpz<167>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<85>, ZPZV<68>, ZPZV<109>, ZPZV<143>,
      ZPZV<148>, ZPZV<5»; };  // NOLINT
03077 template<> struct ConwayPolynomial<167, 11> { using ZPZ = aerobus::zpz<167>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<24>, ZPZV<162»; };  // NOLINT
03078 template<> struct ConwayPolynomial<167, 12> { using ZPZ = aerobus::zpz<167>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<142>, ZPZV<10>, ZPZV<142>, ZPZV<131>,
      ZPZV<140>, ZPZV<41>, ZPZV<57>, ZPZV<5»; };  // NOLINT
03079 template<> struct ConwayPolynomial<167, 13> { using ZPZ = aerobus::zpz<167>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<162»; };  // NOLINT
03080 template<> struct ConwayPolynomial<167, 17> { using ZPZ = aerobus::zpz<167>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<32>, ZPZV<162»; };  // NOLINT
03081 template<> struct ConwayPolynomial<167, 19> { using ZPZ = aerobus::zpz<167>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<14>, ZPZV<162»; };  //
      NOLINT
03082 template<> struct ConwayPolynomial<173, 1> { using ZPZ = aerobus::zpz<173>; using type =
      POLYV<ZPZV<1>, ZPZV<171»; };  // NOLINT
03083 template<> struct ConwayPolynomial<173, 2> { using ZPZ = aerobus::zpz<173>; using type =
      POLYV<ZPZV<1>, ZPZV<169>, ZPZV<2»; };  // NOLINT
03084 template<> struct ConwayPolynomial<173, 3> { using ZPZ = aerobus::zpz<173>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<171»; };  // NOLINT
03085 template<> struct ConwayPolynomial<173, 4> { using ZPZ = aerobus::zpz<173>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<102>, ZPZV<2»; };  // NOLINT
03086 template<> struct ConwayPolynomial<173, 5> { using ZPZ = aerobus::zpz<173>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<171»; };  // NOLINT
03087 template<> struct ConwayPolynomial<173, 6> { using ZPZ = aerobus::zpz<173>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<27>, ZPZV<134>, ZPZV<107>, ZPZV<2»; };  // NOLINT
03088 template<> struct ConwayPolynomial<173, 7> { using ZPZ = aerobus::zpz<173>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<171»; };  // NOLINT
03089 template<> struct ConwayPolynomial<173, 8> { using ZPZ = aerobus::zpz<173>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<125>, ZPZV<158>, ZPZV<27>, ZPZV<2»; };  //
      NOLINT
03090 template<> struct ConwayPolynomial<173, 9> { using ZPZ = aerobus::zpz<173>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<56>, ZPZV<104>, ZPZV<171»;
      };  // NOLINT
03091 template<> struct ConwayPolynomial<173, 10> { using ZPZ = aerobus::zpz<173>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<156>, ZPZV<164>, ZPZV<48>, ZPZV<106>,
      ZPZV<58>, ZPZV<2»; };  // NOLINT
03092 template<> struct ConwayPolynomial<173, 11> { using ZPZ = aerobus::zpz<173>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<12>, ZPZV<171»; };  // NOLINT
03093 template<> struct ConwayPolynomial<173, 12> { using ZPZ = aerobus::zpz<173>; using type =
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      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<29>, ZPZV<64>, ZPZV<46>, ZPZV<166>, ZPZV<0>,
      ZPZV<159>, ZPZV<22>, ZPZV<2»; };  // NOLINT
03094 template<> struct ConwayPolynomial<173, 13> { using ZPZ = aerobus::zpz<173>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<171»; };  // NOLINT
03095 template<> struct ConwayPolynomial<173, 17> { using ZPZ = aerobus::zpz<173>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<171»; };  // NOLINT
03096 template<> struct ConwayPolynomial<173, 19> { using ZPZ = aerobus::zpz<173>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<171»; };  //
      NOLINT
03097 template<> struct ConwayPolynomial<179, 1> { using ZPZ = aerobus::zpz<179>; using type =
      POLYV<ZPZV<1>, ZPZV<177»; };  // NOLINT
03098 template<> struct ConwayPolynomial<179, 2> { using ZPZ = aerobus::zpz<179>; using type =
      POLYV<ZPZV<1>, ZPZV<172>, ZPZV<2»; };  // NOLINT
03099 template<> struct ConwayPolynomial<179, 3> { using ZPZ = aerobus::zpz<179>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<4>, ZPZV<177»; };  // NOLINT
03100 template<> struct ConwayPolynomial<179, 4> { using ZPZ = aerobus::zpz<179>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<109>, ZPZV<2»; };  // NOLINT
03101 template<> struct ConwayPolynomial<179, 5> { using ZPZ = aerobus::zpz<179>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<177»; };  // NOLINT
03102 template<> struct ConwayPolynomial<179, 6> { using ZPZ = aerobus::zpz<179>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<7>, ZPZV<91>, ZPZV<55>, ZPZV<109>, ZPZV<2»; };  // NOLINT
03103 template<> struct ConwayPolynomial<179, 7> { using ZPZ = aerobus::zpz<179>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<177»; };  // NOLINT
03104 template<> struct ConwayPolynomial<179, 8> { using ZPZ = aerobus::zpz<179>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<163>, ZPZV<144>, ZPZV<73>, ZPZV<2»; };  //
      NOLINT
03105 template<> struct ConwayPolynomial<179, 9> { using ZPZ = aerobus::zpz<179>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<40>, ZPZV<64>, ZPZV<177»; };
      // NOLINT
03106 template<> struct ConwayPolynomial<179, 10> { using ZPZ = aerobus::zpz<179>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<115>, ZPZV<71>, ZPZV<150>, ZPZV<49>, ZPZV<87>,
      ZPZV<2»; };  // NOLINT
03107 template<> struct ConwayPolynomial<179, 11> { using ZPZ = aerobus::zpz<179>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<28>, ZPZV<177»; };  // NOLINT
03108 template<> struct ConwayPolynomial<179, 12> { using ZPZ = aerobus::zpz<179>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<103>, ZPZV<83>, ZPZV<43>, ZPZV<76>, ZPZV<8>,
      ZPZV<177>, ZPZV<1>, ZPZV<2»; };  // NOLINT
03109 template<> struct ConwayPolynomial<179, 13> { using ZPZ = aerobus::zpz<179>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<18>, ZPZV<177»; };  // NOLINT
03110 template<> struct ConwayPolynomial<179, 17> { using ZPZ = aerobus::zpz<179>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<177»; };  // NOLINT
03111 template<> struct ConwayPolynomial<179, 19> { using ZPZ = aerobus::zpz<179>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<11>, ZPZV<177»; };  //
      NOLINT
03112 template<> struct ConwayPolynomial<181, 1> { using ZPZ = aerobus::zpz<181>; using type =
      POLYV<ZPZV<1>, ZPZV<179»; };  // NOLINT
03113 template<> struct ConwayPolynomial<181, 2> { using ZPZ = aerobus::zpz<181>; using type =
      POLYV<ZPZV<1>, ZPZV<177>, ZPZV<2»; };  // NOLINT
03114 template<> struct ConwayPolynomial<181, 3> { using ZPZ = aerobus::zpz<181>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<6>, ZPZV<179»; };  // NOLINT
03115 template<> struct ConwayPolynomial<181, 4> { using ZPZ = aerobus::zpz<181>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<6>, ZPZV<105>, ZPZV<2»; };  // NOLINT
03116 template<> struct ConwayPolynomial<181, 5> { using ZPZ = aerobus::zpz<181>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<21>, ZPZV<179»; };  // NOLINT
03117 template<> struct ConwayPolynomial<181, 6> { using ZPZ = aerobus::zpz<181>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<177>, ZPZV<163>, ZPZV<169>, ZPZV<2»; };  // NOLINT
03118 template<> struct ConwayPolynomial<181, 7> { using ZPZ = aerobus::zpz<181>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<179»; };  // NOLINT
03119 template<> struct ConwayPolynomial<181, 8> { using ZPZ = aerobus::zpz<181>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<108>, ZPZV<22>, ZPZV<149>, ZPZV<2»; };  //
      NOLINT
03120 template<> struct ConwayPolynomial<181, 9> { using ZPZ = aerobus::zpz<181>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<11>, ZPZV<107>, ZPZV<168>, ZPZV<179»;
      };  // NOLINT
03121 template<> struct ConwayPolynomial<181, 10> { using ZPZ = aerobus::zpz<181>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<154>, ZPZV<104>, ZPZV<94>, ZPZV<57>, ZPZV<88>,
      ZPZV<2»; };  // NOLINT
03122 template<> struct ConwayPolynomial<181, 11> { using ZPZ = aerobus::zpz<181>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<24>, ZPZV<179»; };  // NOLINT
03123 template<> struct ConwayPolynomial<181, 12> { using ZPZ = aerobus::zpz<181>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<171>, ZPZV<141>, ZPZV<45>, ZPZV<122>,
      ZPZV<175>, ZPZV<12>, ZPZV<10>, ZPZV<2»; };  // NOLINT
03124 template<> struct ConwayPolynomial<181, 13> { using ZPZ = aerobus::zpz<181>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<179»; };  // NOLINT
03125 template<> struct ConwayPolynomial<181, 17> { using ZPZ = aerobus::zpz<181>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<9>, ZPZV<179»; };  // NOLINT
03126 template<> struct ConwayPolynomial<181, 19> { using ZPZ = aerobus::zpz<181>; using type =
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      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<36>, ZPZV<179>>; };  //
      NOLINT
03127 template<> struct ConwayPolynomial<191, 1> { using ZPZ = aerobus::zpz<191>; using type =
      POLYV<ZPZV<1>, ZPZV<172>>; };  // NOLINT
03128 template<> struct ConwayPolynomial<191, 2> { using ZPZ = aerobus::zpz<191>; using type =
      POLYV<ZPZV<1>, ZPZV<190>, ZPZV<19>>; };  // NOLINT
03129 template<> struct ConwayPolynomial<191, 3> { using ZPZ = aerobus::zpz<191>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<4>, ZPZV<172>>; };  // NOLINT
03130 template<> struct ConwayPolynomial<191, 4> { using ZPZ = aerobus::zpz<191>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<7>, ZPZV<100>, ZPZV<19>>; };  // NOLINT
03131 template<> struct ConwayPolynomial<191, 5> { using ZPZ = aerobus::zpz<191>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<172>>; };  // NOLINT
03132 template<> struct ConwayPolynomial<191, 6> { using ZPZ = aerobus::zpz<191>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<110>, ZPZV<10>, ZPZV<10>, ZPZV<19>>; };  // NOLINT
03133 template<> struct ConwayPolynomial<191, 7> { using ZPZ = aerobus::zpz<191>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<14>, ZPZV<172>>; };  // NOLINT
03134 template<> struct ConwayPolynomial<191, 8> { using ZPZ = aerobus::zpz<191>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<164>, ZPZV<139>, ZPZV<171>, ZPZV<19>>; };  //
      NOLINT
03135 template<> struct ConwayPolynomial<191, 9> { using ZPZ = aerobus::zpz<191>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<62>, ZPZV<124>, ZPZV<172>>;
      };  // NOLINT
03136 template<> struct ConwayPolynomial<191, 10> { using ZPZ = aerobus::zpz<191>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<113>, ZPZV<47>, ZPZV<173>, ZPZV<74>,
      ZPZV<156>, ZPZV<19>>; };  // NOLINT
03137 template<> struct ConwayPolynomial<191, 11> { using ZPZ = aerobus::zpz<191>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<6>, ZPZV<172>>; };  // NOLINT
03138 template<> struct ConwayPolynomial<191, 12> { using ZPZ = aerobus::zpz<191>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<79>, ZPZV<168>, ZPZV<25>, ZPZV<49>, ZPZV<90>,
      ZPZV<7>, ZPZV<151>, ZPZV<19>>; };  // NOLINT
03139 template<> struct ConwayPolynomial<191, 13> { using ZPZ = aerobus::zpz<191>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<12>, ZPZV<172>>; };  // NOLINT
03140 template<> struct ConwayPolynomial<191, 17> { using ZPZ = aerobus::zpz<191>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<172>>; };  // NOLINT
03141 template<> struct ConwayPolynomial<191, 19> { using ZPZ = aerobus::zpz<191>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<190>, ZPZV<2>, ZPZV<172>>; };  //
      NOLINT
03142 template<> struct ConwayPolynomial<193, 1> { using ZPZ = aerobus::zpz<193>; using type =
      POLYV<ZPZV<1>, ZPZV<188>>; };  // NOLINT
03143 template<> struct ConwayPolynomial<193, 2> { using ZPZ = aerobus::zpz<193>; using type =
      POLYV<ZPZV<1>, ZPZV<192>, ZPZV<5>>; };  // NOLINT
03144 template<> struct ConwayPolynomial<193, 3> { using ZPZ = aerobus::zpz<193>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<188>>; };  // NOLINT
03145 template<> struct ConwayPolynomial<193, 4> { using ZPZ = aerobus::zpz<193>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<6>, ZPZV<148>, ZPZV<5>>; };  // NOLINT
03146 template<> struct ConwayPolynomial<193, 5> { using ZPZ = aerobus::zpz<193>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<188>>; };  // NOLINT
03147 template<> struct ConwayPolynomial<193, 6> { using ZPZ = aerobus::zpz<193>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<149>, ZPZV<8>, ZPZV<172>, ZPZV<5>>; };  // NOLINT
03148 template<> struct ConwayPolynomial<193, 7> { using ZPZ = aerobus::zpz<193>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<188>>; };  // NOLINT
03149 template<> struct ConwayPolynomial<193, 8> { using ZPZ = aerobus::zpz<193>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<145>, ZPZV<34>, ZPZV<154>, ZPZV<5>>; };  //
      NOLINT
03150 template<> struct ConwayPolynomial<193, 9> { using ZPZ = aerobus::zpz<193>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<168>, ZPZV<27>, ZPZV<188>>;
      };  // NOLINT
03151 template<> struct ConwayPolynomial<193, 10> { using ZPZ = aerobus::zpz<193>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<20>, ZPZV<51>, ZPZV<77>, ZPZV<0>, ZPZV<89>,
      ZPZV<5>>; };  // NOLINT
03152 template<> struct ConwayPolynomial<193, 11> { using ZPZ = aerobus::zpz<193>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<1>, ZPZV<188>>; };  // NOLINT
03153 template<> struct ConwayPolynomial<193, 12> { using ZPZ = aerobus::zpz<193>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<155>, ZPZV<52>, ZPZV<135>, ZPZV<152>,
      ZPZV<90>, ZPZV<46>, ZPZV<28>, ZPZV<5>>; };  // NOLINT
03154 template<> struct ConwayPolynomial<193, 13> { using ZPZ = aerobus::zpz<193>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<39>, ZPZV<188>>; };  // NOLINT
03155 template<> struct ConwayPolynomial<193, 17> { using ZPZ = aerobus::zpz<193>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<9>, ZPZV<188>>; };  // NOLINT
03156 template<> struct ConwayPolynomial<193, 19> { using ZPZ = aerobus::zpz<193>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<188>>; };  //
      NOLINT
03157 template<> struct ConwayPolynomial<197, 1> { using ZPZ = aerobus::zpz<197>; using type =
      POLYV<ZPZV<1>, ZPZV<195>>; };  // NOLINT
03158 template<> struct ConwayPolynomial<197, 2> { using ZPZ = aerobus::zpz<197>; using type =
      POLYV<ZPZV<1>, ZPZV<192>, ZPZV<2>>; };  // NOLINT
03159 template<> struct ConwayPolynomial<197, 3> { using ZPZ = aerobus::zpz<197>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<195>>; };  // NOLINT
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03160 template<> struct ConwayPolynomial<197, 4> { using ZPZ = aerobus::zpz<197>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<16>, ZPZV<124>, ZPZV<2>>; };  // NOLINT
03161 template<> struct ConwayPolynomial<197, 5> { using ZPZ = aerobus::zpz<197>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<195>>; };  // NOLINT
03162 template<> struct ConwayPolynomial<197, 6> { using ZPZ = aerobus::zpz<197>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<124>, ZPZV<79>, ZPZV<173>, ZPZV<2>>; };  // NOLINT
03163 template<> struct ConwayPolynomial<197, 7> { using ZPZ = aerobus::zpz<197>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<195>>; };  // NOLINT
03164 template<> struct ConwayPolynomial<197, 8> { using ZPZ = aerobus::zpz<197>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<176>, ZPZV<96>, ZPZV<29>, ZPZV<2>>; };  //
      NOLINT
03165 template<> struct ConwayPolynomial<197, 9> { using ZPZ = aerobus::zpz<197>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<13>, ZPZV<127>, ZPZV<8>, ZPZV<195>>;
      };  // NOLINT
03166 template<> struct ConwayPolynomial<197, 10> { using ZPZ = aerobus::zpz<197>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<121>, ZPZV<137>, ZPZV<8>, ZPZV<73>, ZPZV<42>,
      ZPZV<2>>; };  // NOLINT
03167 template<> struct ConwayPolynomial<197, 11> { using ZPZ = aerobus::zpz<197>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<14>, ZPZV<195>>; };  // NOLINT
03168 template<> struct ConwayPolynomial<197, 12> { using ZPZ = aerobus::zpz<197>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<168>, ZPZV<15>, ZPZV<130>, ZPZV<141>, ZPZV<9>,
      ZPZV<90>, ZPZV<163>, ZPZV<2>>; };  // NOLINT
03169 template<> struct ConwayPolynomial<197, 13> { using ZPZ = aerobus::zpz<197>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<39>, ZPZV<195>>; };  // NOLINT
03170 template<> struct ConwayPolynomial<197, 17> { using ZPZ = aerobus::zpz<197>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<35>, ZPZV<195>>; };  // NOLINT
03171 template<> struct ConwayPolynomial<197, 19> { using ZPZ = aerobus::zpz<197>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<195>>; };  //
      NOLINT
03172 template<> struct ConwayPolynomial<199, 1> { using ZPZ = aerobus::zpz<199>; using type =
      POLYV<ZPZV<1>, ZPZV<196>>; };  // NOLINT
03173 template<> struct ConwayPolynomial<199, 2> { using ZPZ = aerobus::zpz<199>; using type =
      POLYV<ZPZV<1>, ZPZV<193>, ZPZV<3>>; };  // NOLINT
03174 template<> struct ConwayPolynomial<199, 3> { using ZPZ = aerobus::zpz<199>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<196>>; };  // NOLINT
03175 template<> struct ConwayPolynomial<199, 4> { using ZPZ = aerobus::zpz<199>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<7>, ZPZV<162>, ZPZV<3>>; };  // NOLINT
03176 template<> struct ConwayPolynomial<199, 5> { using ZPZ = aerobus::zpz<199>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<196>>; };  // NOLINT
03177 template<> struct ConwayPolynomial<199, 6> { using ZPZ = aerobus::zpz<199>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<90>, ZPZV<58>, ZPZV<79>, ZPZV<3>>; };  // NOLINT
03178 template<> struct ConwayPolynomial<199, 7> { using ZPZ = aerobus::zpz<199>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<196>>; };  // NOLINT
03179 template<> struct ConwayPolynomial<199, 8> { using ZPZ = aerobus::zpz<199>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<160>, ZPZV<23>, ZPZV<159>, ZPZV<3>>; };  //
      NOLINT
03180 template<> struct ConwayPolynomial<199, 9> { using ZPZ = aerobus::zpz<199>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<177>, ZPZV<141>, ZPZV<196>>;
      };  // NOLINT
03181 template<> struct ConwayPolynomial<199, 10> { using ZPZ = aerobus::zpz<199>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<171>, ZPZV<158>, ZPZV<31>, ZPZV<54>, ZPZV<9>,
      ZPZV<3>>; };  // NOLINT
03182 template<> struct ConwayPolynomial<199, 11> { using ZPZ = aerobus::zpz<199>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<1>, ZPZV<196>>; };  // NOLINT
03183 template<> struct ConwayPolynomial<199, 12> { using ZPZ = aerobus::zpz<199>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<33>, ZPZV<192>, ZPZV<197>, ZPZV<138>,
      ZPZV<69>, ZPZV<57>, ZPZV<151>, ZPZV<3>>; };  // NOLINT
03184 template<> struct ConwayPolynomial<199, 13> { using ZPZ = aerobus::zpz<199>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<196>>; };  // NOLINT
03185 template<> struct ConwayPolynomial<199, 17> { using ZPZ = aerobus::zpz<199>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<13>, ZPZV<196>>; };  // NOLINT
03186 template<> struct ConwayPolynomial<199, 19> { using ZPZ = aerobus::zpz<199>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<19>, ZPZV<196>>; };  //
      NOLINT
03187 template<> struct ConwayPolynomial<211, 1> { using ZPZ = aerobus::zpz<211>; using type =
      POLYV<ZPZV<1>, ZPZV<209>>; };  // NOLINT
03188 template<> struct ConwayPolynomial<211, 2> { using ZPZ = aerobus::zpz<211>; using type =
      POLYV<ZPZV<1>, ZPZV<207>, ZPZV<2>>; };  // NOLINT
03189 template<> struct ConwayPolynomial<211, 3> { using ZPZ = aerobus::zpz<211>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<209>>; };  // NOLINT
03190 template<> struct ConwayPolynomial<211, 4> { using ZPZ = aerobus::zpz<211>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<8>, ZPZV<161>, ZPZV<2>>; };  // NOLINT
03191 template<> struct ConwayPolynomial<211, 5> { using ZPZ = aerobus::zpz<211>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<13>, ZPZV<209>>; };  // NOLINT
03192 template<> struct ConwayPolynomial<211, 6> { using ZPZ = aerobus::zpz<211>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<81>, ZPZV<194>, ZPZV<133>, ZPZV<2>>; };  // NOLINT
03193 template<> struct ConwayPolynomial<211, 7> { using ZPZ = aerobus::zpz<211>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<209>>; };  // NOLINT
03194 template<> struct ConwayPolynomial<211, 8> { using ZPZ = aerobus::zpz<211>; using type =
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      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<200>, ZPZV<87>, ZPZV<29>, ZPZV<2>>; };  //
      NOLINT
03195 template<> struct ConwayPolynomial<211, 9> { using ZPZ = aerobus::zpz<211>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<19>, ZPZV<139>, ZPZV<26>, ZPZV<209>>;
      };  // NOLINT
03196 template<> struct ConwayPolynomial<211, 10> { using ZPZ = aerobus::zpz<211>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<30>, ZPZV<61>, ZPZV<148>, ZPZV<87>, ZPZV<125>,
      ZPZV<2>>; };  // NOLINT
03197 template<> struct ConwayPolynomial<211, 11> { using ZPZ = aerobus::zpz<211>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<7>, ZPZV<209>>; };  // NOLINT
03198 template<> struct ConwayPolynomial<211, 12> { using ZPZ = aerobus::zpz<211>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<50>, ZPZV<145>, ZPZV<126>, ZPZV<184>,
      ZPZV<84>, ZPZV<27>, ZPZV<2>>; };  // NOLINT
03199 template<> struct ConwayPolynomial<211, 13> { using ZPZ = aerobus::zpz<211>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<12>, ZPZV<209>>; };  // NOLINT
03200 template<> struct ConwayPolynomial<211, 17> { using ZPZ = aerobus::zpz<211>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<12>, ZPZV<209>>; };  // NOLINT
03201 template<> struct ConwayPolynomial<211, 19> { using ZPZ = aerobus::zpz<211>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<17>, ZPZV<209>>; };  //
      NOLINT
03202 template<> struct ConwayPolynomial<223, 1> { using ZPZ = aerobus::zpz<223>; using type =
      POLYV<ZPZV<1>, ZPZV<220>>; };  // NOLINT
03203 template<> struct ConwayPolynomial<223, 2> { using ZPZ = aerobus::zpz<223>; using type =
      POLYV<ZPZV<1>, ZPZV<221>, ZPZV<3>>; };  // NOLINT
03204 template<> struct ConwayPolynomial<223, 3> { using ZPZ = aerobus::zpz<223>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<6>, ZPZV<220>>; };  // NOLINT
03205 template<> struct ConwayPolynomial<223, 4> { using ZPZ = aerobus::zpz<223>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<6>, ZPZV<163>, ZPZV<3>>; };  // NOLINT
03206 template<> struct ConwayPolynomial<223, 5> { using ZPZ = aerobus::zpz<223>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<220>>; };  // NOLINT
03207 template<> struct ConwayPolynomial<223, 6> { using ZPZ = aerobus::zpz<223>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<68>, ZPZV<24>, ZPZV<196>, ZPZV<3>>; };  // NOLINT
03208 template<> struct ConwayPolynomial<223, 7> { using ZPZ = aerobus::zpz<223>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<220>>; };  // NOLINT
03209 template<> struct ConwayPolynomial<223, 8> { using ZPZ = aerobus::zpz<223>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<139>, ZPZV<98>, ZPZV<138>, ZPZV<3>>; };  //
      NOLINT
03210 template<> struct ConwayPolynomial<223, 9> { using ZPZ = aerobus::zpz<223>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<164>, ZPZV<64>, ZPZV<220>>;
      };  // NOLINT
03211 template<> struct ConwayPolynomial<223, 10> { using ZPZ = aerobus::zpz<223>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<118>, ZPZV<177>, ZPZV<87>, ZPZV<99>, ZPZV<62>,
      ZPZV<3>>; };  // NOLINT
03212 template<> struct ConwayPolynomial<223, 11> { using ZPZ = aerobus::zpz<223>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<8>, ZPZV<220>>; };  // NOLINT
03213 template<> struct ConwayPolynomial<223, 12> { using ZPZ = aerobus::zpz<223>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<64>, ZPZV<94>, ZPZV<11>, ZPZV<105>, ZPZV<64>,
      ZPZV<151>, ZPZV<213>, ZPZV<3>>; };  // NOLINT
03214 template<> struct ConwayPolynomial<223, 13> { using ZPZ = aerobus::zpz<223>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<23>, ZPZV<220>>; };  // NOLINT
03215 template<> struct ConwayPolynomial<223, 17> { using ZPZ = aerobus::zpz<223>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<220>>; };  // NOLINT
03216 template<> struct ConwayPolynomial<223, 19> { using ZPZ = aerobus::zpz<223>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<220>>; };  //
      NOLINT
03217 template<> struct ConwayPolynomial<227, 1> { using ZPZ = aerobus::zpz<227>; using type =
      POLYV<ZPZV<1>, ZPZV<225>>; };  // NOLINT
03218 template<> struct ConwayPolynomial<227, 2> { using ZPZ = aerobus::zpz<227>; using type =
      POLYV<ZPZV<1>, ZPZV<220>, ZPZV<2>>; };  // NOLINT
03219 template<> struct ConwayPolynomial<227, 3> { using ZPZ = aerobus::zpz<227>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<225>>; };  // NOLINT
03220 template<> struct ConwayPolynomial<227, 4> { using ZPZ = aerobus::zpz<227>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<143>, ZPZV<2>>; };  // NOLINT
03221 template<> struct ConwayPolynomial<227, 5> { using ZPZ = aerobus::zpz<227>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<225>>; };  // NOLINT
03222 template<> struct ConwayPolynomial<227, 6> { using ZPZ = aerobus::zpz<227>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<174>, ZPZV<24>, ZPZV<135>, ZPZV<2>>; };  // NOLINT
03223 template<> struct ConwayPolynomial<227, 7> { using ZPZ = aerobus::zpz<227>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<18>, ZPZV<225>>; };  // NOLINT
03224 template<> struct ConwayPolynomial<227, 8> { using ZPZ = aerobus::zpz<227>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<151>, ZPZV<176>, ZPZV<106>, ZPZV<2>>; };  //
      NOLINT
03225 template<> struct ConwayPolynomial<227, 9> { using ZPZ = aerobus::zpz<227>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<24>, ZPZV<183>, ZPZV<225>>;
      };  // NOLINT
03226 template<> struct ConwayPolynomial<227, 10> { using ZPZ = aerobus::zpz<227>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<22>, ZPZV<199>, ZPZV<12>, ZPZV<93>, ZPZV<77>,
      ZPZV<2>>; };  // NOLINT
03227 template<> struct ConwayPolynomial<227, 11> { using ZPZ = aerobus::zpz<227>; using type =
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      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<2>, ZPZV<225»; };  // NOLINT
03228 template<> struct ConwayPolynomial<227, 12> { using ZPZ = aerobus::zpz<227>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<123>, ZPZV<99>, ZPZV<160>, ZPZV<96>,
      ZPZV<127>, ZPZV<142>, ZPZV<94>, ZPZV<2»; };  // NOLINT
03229 template<> struct ConwayPolynomial<227, 13> { using ZPZ = aerobus::zpz<227>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<225»; };  // NOLINT
03230 template<> struct ConwayPolynomial<227, 17> { using ZPZ = aerobus::zpz<227>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<225»; };  // NOLINT
03231 template<> struct ConwayPolynomial<227, 19> { using ZPZ = aerobus::zpz<227>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<34>, ZPZV<225»; };  //
      NOLINT
03232 template<> struct ConwayPolynomial<229, 1> { using ZPZ = aerobus::zpz<229>; using type =
      POLYV<ZPZV<1>, ZPZV<223»; };  // NOLINT
03233 template<> struct ConwayPolynomial<229, 2> { using ZPZ = aerobus::zpz<229>; using type =
      POLYV<ZPZV<1>, ZPZV<228>, ZPZV<6»; };  // NOLINT
03234 template<> struct ConwayPolynomial<229, 3> { using ZPZ = aerobus::zpz<229>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<223»; };  // NOLINT
03235 template<> struct ConwayPolynomial<229, 4> { using ZPZ = aerobus::zpz<229>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<7>, ZPZV<162>, ZPZV<6»; };  // NOLINT
03236 template<> struct ConwayPolynomial<229, 5> { using ZPZ = aerobus::zpz<229>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<223»; };  // NOLINT
03237 template<> struct ConwayPolynomial<229, 6> { using ZPZ = aerobus::zpz<229>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<24>, ZPZV<160>, ZPZV<186>, ZPZV<6»; };  // NOLINT
03238 template<> struct ConwayPolynomial<229, 7> { using ZPZ = aerobus::zpz<229>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<223»; };  // NOLINT
03239 template<> struct ConwayPolynomial<229, 8> { using ZPZ = aerobus::zpz<229>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<193>, ZPZV<62>, ZPZV<205>, ZPZV<6»; };  //
      NOLINT
03240 template<> struct ConwayPolynomial<229, 9> { using ZPZ = aerobus::zpz<229>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<15>, ZPZV<117>, ZPZV<50>, ZPZV<223»;
      };  // NOLINT
03241 template<> struct ConwayPolynomial<229, 10> { using ZPZ = aerobus::zpz<229>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<185>, ZPZV<135>, ZPZV<158>, ZPZV<167>,
      ZPZV<98>, ZPZV<6»; };  // NOLINT
03242 template<> struct ConwayPolynomial<229, 11> { using ZPZ = aerobus::zpz<229>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<2>, ZPZV<223»; };  // NOLINT
03243 template<> struct ConwayPolynomial<229, 12> { using ZPZ = aerobus::zpz<229>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<131>, ZPZV<140>, ZPZV<25>, ZPZV<6>, ZPZV<172>,
      ZPZV<9>, ZPZV<145>, ZPZV<6»; };  // NOLINT
03244 template<> struct ConwayPolynomial<229, 13> { using ZPZ = aerobus::zpz<229>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<47>, ZPZV<223»; };  // NOLINT
03245 template<> struct ConwayPolynomial<229, 17> { using ZPZ = aerobus::zpz<229>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<223»; };  // NOLINT
03246 template<> struct ConwayPolynomial<229, 19> { using ZPZ = aerobus::zpz<229>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<228>, ZPZV<15>, ZPZV<223»; };  //
      NOLINT
03247 template<> struct ConwayPolynomial<233, 1> { using ZPZ = aerobus::zpz<233>; using type =
      POLYV<ZPZV<1>, ZPZV<230»; };  // NOLINT
03248 template<> struct ConwayPolynomial<233, 2> { using ZPZ = aerobus::zpz<233>; using type =
      POLYV<ZPZV<1>, ZPZV<232>, ZPZV<3»; };  // NOLINT
03249 template<> struct ConwayPolynomial<233, 3> { using ZPZ = aerobus::zpz<233>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<230»; };  // NOLINT
03250 template<> struct ConwayPolynomial<233, 4> { using ZPZ = aerobus::zpz<233>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<4>, ZPZV<158>, ZPZV<3»; };  // NOLINT
03251 template<> struct ConwayPolynomial<233, 5> { using ZPZ = aerobus::zpz<233>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<17>, ZPZV<230»; };  // NOLINT
03252 template<> struct ConwayPolynomial<233, 6> { using ZPZ = aerobus::zpz<233>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<122>, ZPZV<215>, ZPZV<32>, ZPZV<3»; };  // NOLINT
03253 template<> struct ConwayPolynomial<233, 7> { using ZPZ = aerobus::zpz<233>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<230»; };  // NOLINT
03254 template<> struct ConwayPolynomial<233, 8> { using ZPZ = aerobus::zpz<233>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<12>, ZPZV<202>, ZPZV<135>, ZPZV<181>, ZPZV<3»; };  //
      NOLINT
03255 template<> struct ConwayPolynomial<233, 9> { using ZPZ = aerobus::zpz<233>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<56>, ZPZV<146>, ZPZV<230»;
      };  // NOLINT
03256 template<> struct ConwayPolynomial<233, 10> { using ZPZ = aerobus::zpz<233>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<28>, ZPZV<71>, ZPZV<102>, ZPZV<3>, ZPZV<48>,
      ZPZV<3»; };  // NOLINT
03257 template<> struct ConwayPolynomial<233, 11> { using ZPZ = aerobus::zpz<233>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<5>, ZPZV<230»; };  // NOLINT
03258 template<> struct ConwayPolynomial<233, 12> { using ZPZ = aerobus::zpz<233>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<96>, ZPZV<21>, ZPZV<114>, ZPZV<31>, ZPZV<19>,
      ZPZV<216>, ZPZV<20>, ZPZV<3»; };  // NOLINT
03259 template<> struct ConwayPolynomial<233, 13> { using ZPZ = aerobus::zpz<233>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<14>, ZPZV<230»; };  // NOLINT
03260 template<> struct ConwayPolynomial<233, 17> { using ZPZ = aerobus::zpz<233>; using type =
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      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<230>>; };  // NOLINT
03261 template<> struct ConwayPolynomial<233, 19> { using ZPZ = aerobus::zpz<233>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<25>, ZPZV<230>>; };  //
      NOLINT
03262 template<> struct ConwayPolynomial<239, 1> { using ZPZ = aerobus::zpz<239>; using type =
      POLYV<ZPZV<1>, ZPZV<232>>; };  // NOLINT
03263 template<> struct ConwayPolynomial<239, 2> { using ZPZ = aerobus::zpz<239>; using type =
      POLYV<ZPZV<1>, ZPZV<237>, ZPZV<7>>; };  // NOLINT
03264 template<> struct ConwayPolynomial<239, 3> { using ZPZ = aerobus::zpz<239>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<11>, ZPZV<232>>; };  // NOLINT
03265 template<> struct ConwayPolynomial<239, 4> { using ZPZ = aerobus::zpz<239>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<11>, ZPZV<132>, ZPZV<7>>; };  // NOLINT
03266 template<> struct ConwayPolynomial<239, 5> { using ZPZ = aerobus::zpz<239>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<232>>; };  // NOLINT
03267 template<> struct ConwayPolynomial<239, 6> { using ZPZ = aerobus::zpz<239>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<237>, ZPZV<60>, ZPZV<200>, ZPZV<7>>; };  // NOLINT
03268 template<> struct ConwayPolynomial<239, 7> { using ZPZ = aerobus::zpz<239>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<17>, ZPZV<232>>; };  // NOLINT
03269 template<> struct ConwayPolynomial<239, 8> { using ZPZ = aerobus::zpz<239>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<201>, ZPZV<202>, ZPZV<54>, ZPZV<7>>; };  //
      NOLINT
03270 template<> struct ConwayPolynomial<239, 9> { using ZPZ = aerobus::zpz<239>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<2>, ZPZV<88>, ZPZV<232>>; };
      // NOLINT
03271 template<> struct ConwayPolynomial<239, 10> { using ZPZ = aerobus::zpz<239>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<57>, ZPZV<68>, ZPZV<226>, ZPZV<127>,
      ZPZV<108>, ZPZV<7>>; };  // NOLINT
03272 template<> struct ConwayPolynomial<239, 11> { using ZPZ = aerobus::zpz<239>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<8>, ZPZV<232>>; };  // NOLINT
03273 template<> struct ConwayPolynomial<239, 12> { using ZPZ = aerobus::zpz<239>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<235>, ZPZV<14>, ZPZV<113>, ZPZV<182>,
      ZPZV<101>, ZPZV<81>, ZPZV<216>, ZPZV<7>>; };  // NOLINT
03274 template<> struct ConwayPolynomial<239, 13> { using ZPZ = aerobus::zpz<239>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<232>>; };  // NOLINT
03275 template<> struct ConwayPolynomial<239, 17> { using ZPZ = aerobus::zpz<239>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<9>, ZPZV<232>>; };  // NOLINT
03276 template<> struct ConwayPolynomial<239, 19> { using ZPZ = aerobus::zpz<239>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<24>, ZPZV<232>>; };  //
      NOLINT
03277 template<> struct ConwayPolynomial<241, 1> { using ZPZ = aerobus::zpz<241>; using type =
      POLYV<ZPZV<1>, ZPZV<234>>; };  // NOLINT
03278 template<> struct ConwayPolynomial<241, 2> { using ZPZ = aerobus::zpz<241>; using type =
      POLYV<ZPZV<1>, ZPZV<238>, ZPZV<7>>; };  // NOLINT
03279 template<> struct ConwayPolynomial<241, 3> { using ZPZ = aerobus::zpz<241>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<234>>; };  // NOLINT
03280 template<> struct ConwayPolynomial<241, 4> { using ZPZ = aerobus::zpz<241>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<14>, ZPZV<152>, ZPZV<7>>; };  // NOLINT
03281 template<> struct ConwayPolynomial<241, 5> { using ZPZ = aerobus::zpz<241>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<234>>; };  // NOLINT
03282 template<> struct ConwayPolynomial<241, 6> { using ZPZ = aerobus::zpz<241>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<83>, ZPZV<6>, ZPZV<5>, ZPZV<7>>; };  // NOLINT
03283 template<> struct ConwayPolynomial<241, 7> { using ZPZ = aerobus::zpz<241>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<234>>; };  // NOLINT
03284 template<> struct ConwayPolynomial<241, 8> { using ZPZ = aerobus::zpz<241>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<173>, ZPZV<212>, ZPZV<153>, ZPZV<7>>; };  //
      NOLINT
03285 template<> struct ConwayPolynomial<241, 9> { using ZPZ = aerobus::zpz<241>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<236>, ZPZV<125>, ZPZV<234>>;
      };  // NOLINT
03286 template<> struct ConwayPolynomial<241, 10> { using ZPZ = aerobus::zpz<241>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<29>, ZPZV<27>, ZPZV<145>, ZPZV<208>, ZPZV<55>,
      ZPZV<7>>; };  // NOLINT
03287 template<> struct ConwayPolynomial<241, 11> { using ZPZ = aerobus::zpz<241>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<3>, ZPZV<234>>; };  // NOLINT
03288 template<> struct ConwayPolynomial<241, 12> { using ZPZ = aerobus::zpz<241>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<42>, ZPZV<10>, ZPZV<109>, ZPZV<168>, ZPZV<22>,
      ZPZV<197>, ZPZV<17>, ZPZV<7>>; };  // NOLINT
03289 template<> struct ConwayPolynomial<241, 13> { using ZPZ = aerobus::zpz<241>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<11>, ZPZV<234>>; };  // NOLINT
03290 template<> struct ConwayPolynomial<241, 17> { using ZPZ = aerobus::zpz<241>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<14>, ZPZV<234>>; };  // NOLINT
03291 template<> struct ConwayPolynomial<241, 19> { using ZPZ = aerobus::zpz<241>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<11>, ZPZV<234>>; };  //
      NOLINT
03292 template<> struct ConwayPolynomial<251, 1> { using ZPZ = aerobus::zpz<251>; using type =
      POLYV<ZPZV<1>, ZPZV<245>>; };  // NOLINT
03293 template<> struct ConwayPolynomial<251, 2> { using ZPZ = aerobus::zpz<251>; using type =
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      POLYV<ZPZV<1>, ZPZV<242>, ZPZV<6»; };  // NOLINT
03294 template<> struct ConwayPolynomial<251, 3> { using ZPZ = aerobus::zpz<251>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<245»; };  // NOLINT
03295 template<> struct ConwayPolynomial<251, 4> { using ZPZ = aerobus::zpz<251>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<200>, ZPZV<6»; };  // NOLINT
03296 template<> struct ConwayPolynomial<251, 5> { using ZPZ = aerobus::zpz<251>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<245»; };  // NOLINT
03297 template<> struct ConwayPolynomial<251, 6> { using ZPZ = aerobus::zpz<251>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<247>, ZPZV<151>, ZPZV<179>, ZPZV<6»; };  // NOLINT
03298 template<> struct ConwayPolynomial<251, 7> { using ZPZ = aerobus::zpz<251>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<245»; };  // NOLINT
03299 template<> struct ConwayPolynomial<251, 8> { using ZPZ = aerobus::zpz<251>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<142>, ZPZV<215>, ZPZV<173>, ZPZV<6»; };  //
      NOLINT
03300 template<> struct ConwayPolynomial<251, 9> { using ZPZ = aerobus::zpz<251>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<187>, ZPZV<106>, ZPZV<245»;
      };  // NOLINT
03301 template<> struct ConwayPolynomial<251, 10> { using ZPZ = aerobus::zpz<251>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<138>, ZPZV<110>, ZPZV<45>, ZPZV<34>,
      ZPZV<149>, ZPZV<6»; };  // NOLINT
03302 template<> struct ConwayPolynomial<251, 11> { using ZPZ = aerobus::zpz<251>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<26>, ZPZV<245»; };  // NOLINT
03303 template<> struct ConwayPolynomial<251, 12> { using ZPZ = aerobus::zpz<251>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<192>, ZPZV<53>, ZPZV<20>, ZPZV<20>, ZPZV<15>,
      ZPZV<201>, ZPZV<232>, ZPZV<6»; };  // NOLINT
03304 template<> struct ConwayPolynomial<251, 13> { using ZPZ = aerobus::zpz<251>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<15>, ZPZV<245»; };  // NOLINT
03305 template<> struct ConwayPolynomial<251, 17> { using ZPZ = aerobus::zpz<251>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<9>, ZPZV<245»; };  // NOLINT
03306 template<> struct ConwayPolynomial<251, 19> { using ZPZ = aerobus::zpz<251>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<245»; };  //
      NOLINT
03307 template<> struct ConwayPolynomial<257, 1> { using ZPZ = aerobus::zpz<257>; using type =
      POLYV<ZPZV<1>, ZPZV<254»; };  // NOLINT
03308 template<> struct ConwayPolynomial<257, 2> { using ZPZ = aerobus::zpz<257>; using type =
      POLYV<ZPZV<1>, ZPZV<251>, ZPZV<3»; };  // NOLINT
03309 template<> struct ConwayPolynomial<257, 3> { using ZPZ = aerobus::zpz<257>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<6>, ZPZV<254»; };  // NOLINT
03310 template<> struct ConwayPolynomial<257, 4> { using ZPZ = aerobus::zpz<257>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<16>, ZPZV<187>, ZPZV<3»; };  // NOLINT
03311 template<> struct ConwayPolynomial<257, 5> { using ZPZ = aerobus::zpz<257>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<254»; };  // NOLINT
03312 template<> struct ConwayPolynomial<257, 6> { using ZPZ = aerobus::zpz<257>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<62>, ZPZV<18>, ZPZV<138>, ZPZV<3»; };  // NOLINT
03313 template<> struct ConwayPolynomial<257, 7> { using ZPZ = aerobus::zpz<257>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<31>, ZPZV<254»; };  // NOLINT
03314 template<> struct ConwayPolynomial<257, 8> { using ZPZ = aerobus::zpz<257>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<179>, ZPZV<140>, ZPZV<162>, ZPZV<3»; };  //
      NOLINT
03315 template<> struct ConwayPolynomial<257, 9> { using ZPZ = aerobus::zpz<257>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<201>, ZPZV<50>, ZPZV<254»;
      };  // NOLINT
03316 template<> struct ConwayPolynomial<257, 10> { using ZPZ = aerobus::zpz<257>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<97>, ZPZV<12>, ZPZV<225>, ZPZV<180>, ZPZV<20>,
      ZPZV<3»; };  // NOLINT
03317 template<> struct ConwayPolynomial<257, 11> { using ZPZ = aerobus::zpz<257>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<40>, ZPZV<254»; };  // NOLINT
03318 template<> struct ConwayPolynomial<257, 12> { using ZPZ = aerobus::zpz<257>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<13>, ZPZV<225>, ZPZV<215>, ZPZV<173>,
      ZPZV<249>, ZPZV<148>, ZPZV<20>, ZPZV<3»; };  // NOLINT
03319 template<> struct ConwayPolynomial<257, 13> { using ZPZ = aerobus::zpz<257>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<254»; };  // NOLINT
03320 template<> struct ConwayPolynomial<257, 17> { using ZPZ = aerobus::zpz<257>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<254»; };  // NOLINT
03321 template<> struct ConwayPolynomial<257, 19> { using ZPZ = aerobus::zpz<257>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<254»; };  //
      NOLINT
03322 template<> struct ConwayPolynomial<263, 1> { using ZPZ = aerobus::zpz<263>; using type =
      POLYV<ZPZV<1>, ZPZV<258»; };  // NOLINT
03323 template<> struct ConwayPolynomial<263, 2> { using ZPZ = aerobus::zpz<263>; using type =
      POLYV<ZPZV<1>, ZPZV<261>, ZPZV<5»; };  // NOLINT
03324 template<> struct ConwayPolynomial<263, 3> { using ZPZ = aerobus::zpz<263>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<14>, ZPZV<258»; };  // NOLINT
03325 template<> struct ConwayPolynomial<263, 4> { using ZPZ = aerobus::zpz<263>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<5>, ZPZV<171>, ZPZV<5»; };  // NOLINT
03326 template<> struct ConwayPolynomial<263, 5> { using ZPZ = aerobus::zpz<263>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<13>, ZPZV<258»; };  // NOLINT
03327 template<> struct ConwayPolynomial<263, 6> { using ZPZ = aerobus::zpz<263>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<222>, ZPZV<250>, ZPZV<225>, ZPZV<5»; };  // NOLINT
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03328 template<> struct ConwayPolynomial<263, 7> { using ZPZ = aerobus::zpz<263>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<258>>; };  // NOLINT
03329 template<> struct ConwayPolynomial<263, 8> { using ZPZ = aerobus::zpz<263>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<227>, ZPZV<170>, ZPZV<7>, ZPZV<5>>; };  //
      NOLINT
03330 template<> struct ConwayPolynomial<263, 9> { using ZPZ = aerobus::zpz<263>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<261>, ZPZV<29>, ZPZV<258>>;
      };  // NOLINT
03331 template<> struct ConwayPolynomial<263, 10> { using ZPZ = aerobus::zpz<263>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<245>, ZPZV<231>, ZPZV<198>, ZPZV<145>,
      ZPZV<119>, ZPZV<5>>; };  // NOLINT
03332 template<> struct ConwayPolynomial<263, 11> { using ZPZ = aerobus::zpz<263>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<2>, ZPZV<258>>; };  // NOLINT
03333 template<> struct ConwayPolynomial<263, 12> { using ZPZ = aerobus::zpz<263>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<172>, ZPZV<174>, ZPZV<162>, ZPZV<252>,
      ZPZV<47>, ZPZV<45>, ZPZV<180>, ZPZV<5>>; };  // NOLINT
03334 template<> struct ConwayPolynomial<269, 1> { using ZPZ = aerobus::zpz<269>; using type =
      POLYV<ZPZV<1>, ZPZV<267>>; };  // NOLINT
03335 template<> struct ConwayPolynomial<269, 2> { using ZPZ = aerobus::zpz<269>; using type =
      POLYV<ZPZV<1>, ZPZV<268>, ZPZV<2>>; };  // NOLINT
03336 template<> struct ConwayPolynomial<269, 3> { using ZPZ = aerobus::zpz<269>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<9>, ZPZV<267>>; };  // NOLINT
03337 template<> struct ConwayPolynomial<269, 4> { using ZPZ = aerobus::zpz<269>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<8>, ZPZV<262>, ZPZV<2>>; };  // NOLINT
03338 template<> struct ConwayPolynomial<269, 5> { using ZPZ = aerobus::zpz<269>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<12>, ZPZV<267>>; };  // NOLINT
03339 template<> struct ConwayPolynomial<269, 6> { using ZPZ = aerobus::zpz<269>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<120>, ZPZV<101>, ZPZV<206>, ZPZV<2>>; };  // NOLINT
03340 template<> struct ConwayPolynomial<269, 7> { using ZPZ = aerobus::zpz<269>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<267>>; };  // NOLINT
03341 template<> struct ConwayPolynomial<269, 8> { using ZPZ = aerobus::zpz<269>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<220>, ZPZV<131>, ZPZV<232>, ZPZV<2>>; };  //
      NOLINT
03342 template<> struct ConwayPolynomial<269, 9> { using ZPZ = aerobus::zpz<269>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<214>, ZPZV<267>, ZPZV<267>>;
      };  // NOLINT
03343 template<> struct ConwayPolynomial<269, 10> { using ZPZ = aerobus::zpz<269>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<264>, ZPZV<243>, ZPZV<186>, ZPZV<61>,
      ZPZV<10>, ZPZV<2>>; };  // NOLINT
03344 template<> struct ConwayPolynomial<269, 11> { using ZPZ = aerobus::zpz<269>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<20>, ZPZV<267>>; };  // NOLINT
03345 template<> struct ConwayPolynomial<269, 12> { using ZPZ = aerobus::zpz<269>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<126>, ZPZV<165>, ZPZV<63>, ZPZV<215>,
      ZPZV<132>, ZPZV<180>, ZPZV<150>, ZPZV<2>>; };  // NOLINT
03346 template<> struct ConwayPolynomial<271, 1> { using ZPZ = aerobus::zpz<271>; using type =
      POLYV<ZPZV<1>, ZPZV<265>>; };  // NOLINT
03347 template<> struct ConwayPolynomial<271, 2> { using ZPZ = aerobus::zpz<271>; using type =
      POLYV<ZPZV<1>, ZPZV<269>, ZPZV<6>>; };  // NOLINT
03348 template<> struct ConwayPolynomial<271, 3> { using ZPZ = aerobus::zpz<271>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<265>>; };  // NOLINT
03349 template<> struct ConwayPolynomial<271, 4> { using ZPZ = aerobus::zpz<271>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<205>, ZPZV<6>>; };  // NOLINT
03350 template<> struct ConwayPolynomial<271, 5> { using ZPZ = aerobus::zpz<271>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<265>>; };  // NOLINT
03351 template<> struct ConwayPolynomial<271, 6> { using ZPZ = aerobus::zpz<271>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<207>, ZPZV<207>, ZPZV<81>, ZPZV<6>>; };  // NOLINT
03352 template<> struct ConwayPolynomial<271, 7> { using ZPZ = aerobus::zpz<271>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<22>, ZPZV<265>>; };  // NOLINT
03353 template<> struct ConwayPolynomial<271, 8> { using ZPZ = aerobus::zpz<271>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<199>, ZPZV<114>, ZPZV<69>, ZPZV<6>>; };  //
      NOLINT
03354 template<> struct ConwayPolynomial<271, 9> { using ZPZ = aerobus::zpz<271>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<266>, ZPZV<186>, ZPZV<265>>;
      };  // NOLINT
03355 template<> struct ConwayPolynomial<271, 10> { using ZPZ = aerobus::zpz<271>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<133>, ZPZV<10>, ZPZV<256>, ZPZV<74>,
      ZPZV<126>, ZPZV<6>>; };  // NOLINT
03356 template<> struct ConwayPolynomial<271, 11> { using ZPZ = aerobus::zpz<271>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<10>, ZPZV<265>>; };  // NOLINT
03357 template<> struct ConwayPolynomial<271, 12> { using ZPZ = aerobus::zpz<271>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<162>, ZPZV<210>, ZPZV<116>, ZPZV<205>,
      ZPZV<237>, ZPZV<256>, ZPZV<130>, ZPZV<6>>; };  // NOLINT
03358 template<> struct ConwayPolynomial<277, 1> { using ZPZ = aerobus::zpz<277>; using type =
      POLYV<ZPZV<1>, ZPZV<272>>; };  // NOLINT
03359 template<> struct ConwayPolynomial<277, 2> { using ZPZ = aerobus::zpz<277>; using type =
      POLYV<ZPZV<1>, ZPZV<274>, ZPZV<5>>; };  // NOLINT
03360 template<> struct ConwayPolynomial<277, 3> { using ZPZ = aerobus::zpz<277>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<272>>; };  // NOLINT
03361 template<> struct ConwayPolynomial<277, 4> { using ZPZ = aerobus::zpz<277>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<222>, ZPZV<5>>; };  // NOLINT
03362 template<> struct ConwayPolynomial<277, 5> { using ZPZ = aerobus::zpz<277>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<272>>; };  // NOLINT
03363 template<> struct ConwayPolynomial<277, 6> { using ZPZ = aerobus::zpz<277>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<33>, ZPZV<9>, ZPZV<118>, ZPZV<5>>; };  // NOLINT
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03364 template<> struct ConwayPolynomial<277, 7> { using ZPZ = aerobus::zpz<277>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<9>, ZPZV<272>>; };  // NOLINT
03365 template<> struct ConwayPolynomial<277, 8> { using ZPZ = aerobus::zpz<277>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<187>, ZPZV<159>, ZPZV<176>, ZPZV<5>>; };  //
      NOLINT
03366 template<> struct ConwayPolynomial<277, 9> { using ZPZ = aerobus::zpz<277>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<177>, ZPZV<110>, ZPZV<272>>;
      };  // NOLINT
03367 template<> struct ConwayPolynomial<277, 10> { using ZPZ = aerobus::zpz<277>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<206>, ZPZV<253>, ZPZV<237>, ZPZV<241>,
      ZPZV<260>, ZPZV<5>>; };  // NOLINT
03368 template<> struct ConwayPolynomial<277, 11> { using ZPZ = aerobus::zpz<277>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<5>, ZPZV<272>>; };  // NOLINT
03369 template<> struct ConwayPolynomial<277, 12> { using ZPZ = aerobus::zpz<277>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<183>, ZPZV<218>, ZPZV<240>, ZPZV<40>,
      ZPZV<180>, ZPZV<115>, ZPZV<202>, ZPZV<5>>; };  // NOLINT
03370 template<> struct ConwayPolynomial<281, 1> { using ZPZ = aerobus::zpz<281>; using type =
      POLYV<ZPZV<1>, ZPZV<278>>; };  // NOLINT
03371 template<> struct ConwayPolynomial<281, 2> { using ZPZ = aerobus::zpz<281>; using type =
      POLYV<ZPZV<1>, ZPZV<280>, ZPZV<3>>; };  // NOLINT
03372 template<> struct ConwayPolynomial<281, 3> { using ZPZ = aerobus::zpz<281>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<278>>; };  // NOLINT
03373 template<> struct ConwayPolynomial<281, 4> { using ZPZ = aerobus::zpz<281>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<7>, ZPZV<176>, ZPZV<3>>; };  // NOLINT
03374 template<> struct ConwayPolynomial<281, 5> { using ZPZ = aerobus::zpz<281>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<278>>; };  // NOLINT
03375 template<> struct ConwayPolynomial<281, 6> { using ZPZ = aerobus::zpz<281>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<151>, ZPZV<13>, ZPZV<27>, ZPZV<3>>; };  // NOLINT
03376 template<> struct ConwayPolynomial<281, 7> { using ZPZ = aerobus::zpz<281>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<19>, ZPZV<278>>; };  // NOLINT
03377 template<> struct ConwayPolynomial<281, 8> { using ZPZ = aerobus::zpz<281>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<195>, ZPZV<279>, ZPZV<140>, ZPZV<3>>; };  //
      NOLINT
03378 template<> struct ConwayPolynomial<281, 9> { using ZPZ = aerobus::zpz<281>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<148>, ZPZV<70>, ZPZV<278>>;
      };  // NOLINT
03379 template<> struct ConwayPolynomial<281, 10> { using ZPZ = aerobus::zpz<281>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<258>, ZPZV<145>, ZPZV<13>, ZPZV<138>,
      ZPZV<191>, ZPZV<3>>; };  // NOLINT
03380 template<> struct ConwayPolynomial<281, 11> { using ZPZ = aerobus::zpz<281>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<36>, ZPZV<278>>; };  // NOLINT
03381 template<> struct ConwayPolynomial<281, 12> { using ZPZ = aerobus::zpz<281>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<202>, ZPZV<68>, ZPZV<103>, ZPZV<116>,
      ZPZV<58>, ZPZV<28>, ZPZV<191>, ZPZV<3>>; };  // NOLINT
03382 template<> struct ConwayPolynomial<283, 1> { using ZPZ = aerobus::zpz<283>; using type =
      POLYV<ZPZV<1>, ZPZV<280>>; };  // NOLINT
03383 template<> struct ConwayPolynomial<283, 2> { using ZPZ = aerobus::zpz<283>; using type =
      POLYV<ZPZV<1>, ZPZV<282>, ZPZV<3>>; };  // NOLINT
03384 template<> struct ConwayPolynomial<283, 3> { using ZPZ = aerobus::zpz<283>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<280>>; };  // NOLINT
03385 template<> struct ConwayPolynomial<283, 4> { using ZPZ = aerobus::zpz<283>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<5>, ZPZV<238>, ZPZV<3>>; };  // NOLINT
03386 template<> struct ConwayPolynomial<283, 5> { using ZPZ = aerobus::zpz<283>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<280>>; };  // NOLINT
03387 template<> struct ConwayPolynomial<283, 6> { using ZPZ = aerobus::zpz<283>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<199>, ZPZV<68>, ZPZV<73>, ZPZV<3>>; };  // NOLINT
03388 template<> struct ConwayPolynomial<283, 7> { using ZPZ = aerobus::zpz<283>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<280>>; };  // NOLINT
03389 template<> struct ConwayPolynomial<283, 8> { using ZPZ = aerobus::zpz<283>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<11>, ZPZV<179>, ZPZV<32>, ZPZV<232>, ZPZV<3>>; };  //
      NOLINT
03390 template<> struct ConwayPolynomial<283, 9> { using ZPZ = aerobus::zpz<283>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<136>, ZPZV<65>, ZPZV<280>>;
      };  // NOLINT
03391 template<> struct ConwayPolynomial<283, 10> { using ZPZ = aerobus::zpz<283>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<271>, ZPZV<185>, ZPZV<68>, ZPZV<100>,
      ZPZV<219>, ZPZV<3>>; };  // NOLINT
03392 template<> struct ConwayPolynomial<283, 11> { using ZPZ = aerobus::zpz<283>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<4>, ZPZV<280>>; };  // NOLINT
03393 template<> struct ConwayPolynomial<283, 12> { using ZPZ = aerobus::zpz<283>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<20>, ZPZV<8>, ZPZV<96>, ZPZV<229>, ZPZV<49>,
      ZPZV<14>, ZPZV<56>, ZPZV<3>>; };  // NOLINT
03394 template<> struct ConwayPolynomial<293, 1> { using ZPZ = aerobus::zpz<293>; using type =
      POLYV<ZPZV<1>, ZPZV<291>>; };  // NOLINT
03395 template<> struct ConwayPolynomial<293, 2> { using ZPZ = aerobus::zpz<293>; using type =
      POLYV<ZPZV<1>, ZPZV<292>, ZPZV<2>>; };  // NOLINT
03396 template<> struct ConwayPolynomial<293, 3> { using ZPZ = aerobus::zpz<293>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<291>>; };  // NOLINT
03397 template<> struct ConwayPolynomial<293, 4> { using ZPZ = aerobus::zpz<293>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<166>, ZPZV<2>>; };  // NOLINT
03398 template<> struct ConwayPolynomial<293, 5> { using ZPZ = aerobus::zpz<293>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<291>>; };  // NOLINT
03399 template<> struct ConwayPolynomial<293, 6> { using ZPZ = aerobus::zpz<293>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<128>, ZPZV<210>, ZPZV<260>, ZPZV<2>>; };  // NOLINT
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03400 template<> struct ConwayPolynomial<293, 7> { using ZPZ = aerobus::zpz<293>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<291»; }; // NOLINT
03401 template<> struct ConwayPolynomial<293, 8> { using ZPZ = aerobus::zpz<293>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<29>, ZPZV<175>, ZPZV<195>, ZPZV<239>, ZPZV<2»; }; //
      NOLINT
03402 template<> struct ConwayPolynomial<293, 9> { using ZPZ = aerobus::zpz<293>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<208>, ZPZV<190>, ZPZV<291»;
      }; // NOLINT
03403 template<> struct ConwayPolynomial<293, 10> { using ZPZ = aerobus::zpz<293>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<186>, ZPZV<28>, ZPZV<46>, ZPZV<184>, ZPZV<24>,
      ZPZV<2»; }; // NOLINT
03404 template<> struct ConwayPolynomial<293, 11> { using ZPZ = aerobus::zpz<293>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>,
      ZPZV<3>, ZPZV<291»; }; // NOLINT
03405 template<> struct ConwayPolynomial<293, 12> { using ZPZ = aerobus::zpz<293>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<159>, ZPZV<210>, ZPZV<125>, ZPZV<212>,
      ZPZV<167>, ZPZV<144>, ZPZV<157>, ZPZV<2»; }; // NOLINT
03406 template<> struct ConwayPolynomial<307, 1> { using ZPZ = aerobus::zpz<307>; using type =
      POLYV<ZPZV<1>, ZPZV<302»; }; // NOLINT
03407 template<> struct ConwayPolynomial<307, 2> { using ZPZ = aerobus::zpz<307>; using type =
      POLYV<ZPZV<1>, ZPZV<306>, ZPZV<5»; }; // NOLINT
03408 template<> struct ConwayPolynomial<307, 3> { using ZPZ = aerobus::zpz<307>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<7>, ZPZV<302»; }; // NOLINT
03409 template<> struct ConwayPolynomial<307, 4> { using ZPZ = aerobus::zpz<307>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<239>, ZPZV<5»; }; // NOLINT
03410 template<> struct ConwayPolynomial<307, 5> { using ZPZ = aerobus::zpz<307>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<302»; }; // NOLINT
03411 template<> struct ConwayPolynomial<307, 6> { using ZPZ = aerobus::zpz<307>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<213>, ZPZV<172>, ZPZV<61>, ZPZV<5»; }; // NOLINT
03412 template<> struct ConwayPolynomial<307, 7> { using ZPZ = aerobus::zpz<307>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<302»; }; // NOLINT
03413 template<> struct ConwayPolynomial<307, 8> { using ZPZ = aerobus::zpz<307>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<283>, ZPZV<232>, ZPZV<131>, ZPZV<5»; }; //
      NOLINT
03414 template<> struct ConwayPolynomial<307, 9> { using ZPZ = aerobus::zpz<307>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<165>, ZPZV<70>, ZPZV<302»;
      }; // NOLINT
03415 template<> struct ConwayPolynomial<311, 1> { using ZPZ = aerobus::zpz<311>; using type =
      POLYV<ZPZV<1>, ZPZV<294»; }; // NOLINT
03416 template<> struct ConwayPolynomial<311, 2> { using ZPZ = aerobus::zpz<311>; using type =
      POLYV<ZPZV<1>, ZPZV<310>, ZPZV<17»; }; // NOLINT
03417 template<> struct ConwayPolynomial<311, 3> { using ZPZ = aerobus::zpz<311>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<294»; }; // NOLINT
03418 template<> struct ConwayPolynomial<311, 4> { using ZPZ = aerobus::zpz<311>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<163>, ZPZV<17»; }; // NOLINT
03419 template<> struct ConwayPolynomial<311, 5> { using ZPZ = aerobus::zpz<311>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<294»; }; // NOLINT
03420 template<> struct ConwayPolynomial<311, 6> { using ZPZ = aerobus::zpz<311>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<27>, ZPZV<167>, ZPZV<152>, ZPZV<17»; }; // NOLINT
03421 template<> struct ConwayPolynomial<311, 7> { using ZPZ = aerobus::zpz<311>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<294»; }; // NOLINT
03422 template<> struct ConwayPolynomial<311, 8> { using ZPZ = aerobus::zpz<311>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<19>, ZPZV<162>, ZPZV<118>, ZPZV<2>, ZPZV<17»; }; //
      NOLINT
03423 template<> struct ConwayPolynomial<311, 9> { using ZPZ = aerobus::zpz<311>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<287>, ZPZV<74>, ZPZV<294»;
      }; // NOLINT
03424 template<> struct ConwayPolynomial<313, 1> { using ZPZ = aerobus::zpz<313>; using type =
      POLYV<ZPZV<1>, ZPZV<303»; }; // NOLINT
03425 template<> struct ConwayPolynomial<313, 2> { using ZPZ = aerobus::zpz<313>; using type =
      POLYV<ZPZV<1>, ZPZV<310>, ZPZV<10»; }; // NOLINT
03426 template<> struct ConwayPolynomial<313, 3> { using ZPZ = aerobus::zpz<313>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<303»; }; // NOLINT
03427 template<> struct ConwayPolynomial<313, 4> { using ZPZ = aerobus::zpz<313>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<8>, ZPZV<239>, ZPZV<10»; }; // NOLINT
03428 template<> struct ConwayPolynomial<313, 5> { using ZPZ = aerobus::zpz<313>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<303»; }; // NOLINT
03429 template<> struct ConwayPolynomial<313, 6> { using ZPZ = aerobus::zpz<313>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<196>, ZPZV<213>, ZPZV<253>, ZPZV<10»; }; // NOLINT
03430 template<> struct ConwayPolynomial<313, 7> { using ZPZ = aerobus::zpz<313>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<303»; }; // NOLINT
03431 template<> struct ConwayPolynomial<313, 8> { using ZPZ = aerobus::zpz<313>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<306>, ZPZV<99>, ZPZV<106>, ZPZV<10»; }; //
      NOLINT
03432 template<> struct ConwayPolynomial<313, 9> { using ZPZ = aerobus::zpz<313>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<267>, ZPZV<300>, ZPZV<303»;
      }; // NOLINT
03433 template<> struct ConwayPolynomial<317, 1> { using ZPZ = aerobus::zpz<317>; using type =
      POLYV<ZPZV<1>, ZPZV<315»; }; // NOLINT
03434 template<> struct ConwayPolynomial<317, 2> { using ZPZ = aerobus::zpz<317>; using type =
      POLYV<ZPZV<1>, ZPZV<313>, ZPZV<2»; }; // NOLINT
03435 template<> struct ConwayPolynomial<317, 3> { using ZPZ = aerobus::zpz<317>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<7>, ZPZV<315»; }; // NOLINT
03436 template<> struct ConwayPolynomial<317, 4> { using ZPZ = aerobus::zpz<317>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<6>, ZPZV<178>, ZPZV<2»; }; // NOLINT
03437 template<> struct ConwayPolynomial<317, 5> { using ZPZ = aerobus::zpz<317>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<315»; }; // NOLINT
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03438 template<> struct ConwayPolynomial<317, 6> { using ZPZ = aerobus::zpz<317>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<195>, ZPZV<156>, ZPZV<4>, ZPZV<2»; };  // NOLINT
03439 template<> struct ConwayPolynomial<317, 7> { using ZPZ = aerobus::zpz<317>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<315»; };  // NOLINT
03440 template<> struct ConwayPolynomial<317, 8> { using ZPZ = aerobus::zpz<317>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<207>, ZPZV<85>, ZPZV<31>, ZPZV<2»; };  //
      NOLINT
03441 template<> struct ConwayPolynomial<317, 9> { using ZPZ = aerobus::zpz<317>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<284>, ZPZV<296>, ZPZV<315»;
      };  // NOLINT
03442 template<> struct ConwayPolynomial<331, 1> { using ZPZ = aerobus::zpz<331>; using type =
      POLYV<ZPZV<1>, ZPZV<328»; };  // NOLINT
03443 template<> struct ConwayPolynomial<331, 2> { using ZPZ = aerobus::zpz<331>; using type =
      POLYV<ZPZV<1>, ZPZV<326>, ZPZV<3»; };  // NOLINT
03444 template<> struct ConwayPolynomial<331, 3> { using ZPZ = aerobus::zpz<331>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<328»; };  // NOLINT
03445 template<> struct ConwayPolynomial<331, 4> { using ZPZ = aerobus::zpz<331>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<290>, ZPZV<3»; };  // NOLINT
03446 template<> struct ConwayPolynomial<331, 5> { using ZPZ = aerobus::zpz<331>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<328»; };  // NOLINT
03447 template<> struct ConwayPolynomial<331, 6> { using ZPZ = aerobus::zpz<331>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<283>, ZPZV<205>, ZPZV<159>, ZPZV<3»; };  // NOLINT
03448 template<> struct ConwayPolynomial<331, 7> { using ZPZ = aerobus::zpz<331>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<328»; };  // NOLINT
03449 template<> struct ConwayPolynomial<331, 8> { using ZPZ = aerobus::zpz<331>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<249>, ZPZV<308>, ZPZV<78>, ZPZV<3»; };  //
      NOLINT
03450 template<> struct ConwayPolynomial<331, 9> { using ZPZ = aerobus::zpz<331>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<194>, ZPZV<210>, ZPZV<328»;
      };  // NOLINT
03451 template<> struct ConwayPolynomial<337, 1> { using ZPZ = aerobus::zpz<337>; using type =
      POLYV<ZPZV<1>, ZPZV<327»; };  // NOLINT
03452 template<> struct ConwayPolynomial<337, 2> { using ZPZ = aerobus::zpz<337>; using type =
      POLYV<ZPZV<1>, ZPZV<332>, ZPZV<10»; };  // NOLINT
03453 template<> struct ConwayPolynomial<337, 3> { using ZPZ = aerobus::zpz<337>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<327»; };  // NOLINT
03454 template<> struct ConwayPolynomial<337, 4> { using ZPZ = aerobus::zpz<337>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<25>, ZPZV<224>, ZPZV<10»; };  // NOLINT
03455 template<> struct ConwayPolynomial<337, 5> { using ZPZ = aerobus::zpz<337>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<327»; };  // NOLINT
03456 template<> struct ConwayPolynomial<337, 6> { using ZPZ = aerobus::zpz<337>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<216>, ZPZV<127>, ZPZV<109>, ZPZV<10»; };  // NOLINT
03457 template<> struct ConwayPolynomial<337, 7> { using ZPZ = aerobus::zpz<337>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<327»; };  // NOLINT
03458 template<> struct ConwayPolynomial<337, 8> { using ZPZ = aerobus::zpz<337>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<331>, ZPZV<246>, ZPZV<251>, ZPZV<10»; };  //
      NOLINT
03459 template<> struct ConwayPolynomial<337, 9> { using ZPZ = aerobus::zpz<337>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<12>, ZPZV<148>, ZPZV<98>, ZPZV<327»;
      };  // NOLINT
03460 template<> struct ConwayPolynomial<347, 1> { using ZPZ = aerobus::zpz<347>; using type =
      POLYV<ZPZV<1>, ZPZV<345»; };  // NOLINT
03461 template<> struct ConwayPolynomial<347, 2> { using ZPZ = aerobus::zpz<347>; using type =
      POLYV<ZPZV<1>, ZPZV<343>, ZPZV<2»; };  // NOLINT
03462 template<> struct ConwayPolynomial<347, 3> { using ZPZ = aerobus::zpz<347>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<9>, ZPZV<345»; };  // NOLINT
03463 template<> struct ConwayPolynomial<347, 4> { using ZPZ = aerobus::zpz<347>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<13>, ZPZV<295>, ZPZV<2»; };  // NOLINT
03464 template<> struct ConwayPolynomial<347, 5> { using ZPZ = aerobus::zpz<347>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<345»; };  // NOLINT
03465 template<> struct ConwayPolynomial<347, 6> { using ZPZ = aerobus::zpz<347>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<343>, ZPZV<26>, ZPZV<56>, ZPZV<2»; };  // NOLINT
03466 template<> struct ConwayPolynomial<347, 7> { using ZPZ = aerobus::zpz<347>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<345»; };  // NOLINT
03467 template<> struct ConwayPolynomial<347, 8> { using ZPZ = aerobus::zpz<347>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<187>, ZPZV<213>, ZPZV<117>, ZPZV<2»; };  //
      NOLINT
03468 template<> struct ConwayPolynomial<347, 9> { using ZPZ = aerobus::zpz<347>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<235>, ZPZV<252>, ZPZV<345»;
      };  // NOLINT
03469 template<> struct ConwayPolynomial<349, 1> { using ZPZ = aerobus::zpz<349>; using type =
      POLYV<ZPZV<1>, ZPZV<347»; };  // NOLINT
03470 template<> struct ConwayPolynomial<349, 2> { using ZPZ = aerobus::zpz<349>; using type =
      POLYV<ZPZV<1>, ZPZV<348>, ZPZV<2»; };  // NOLINT
03471 template<> struct ConwayPolynomial<349, 3> { using ZPZ = aerobus::zpz<349>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<4>, ZPZV<347»; };  // NOLINT
03472 template<> struct ConwayPolynomial<349, 4> { using ZPZ = aerobus::zpz<349>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<279>, ZPZV<2»; };  // NOLINT
03473 template<> struct ConwayPolynomial<349, 5> { using ZPZ = aerobus::zpz<349>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<347»; };  // NOLINT
03474 template<> struct ConwayPolynomial<349, 6> { using ZPZ = aerobus::zpz<349>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<135>, ZPZV<177>, ZPZV<316>, ZPZV<2»; };  // NOLINT
03475 template<> struct ConwayPolynomial<349, 7> { using ZPZ = aerobus::zpz<349>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<347»; };  // NOLINT
03476 template<> struct ConwayPolynomial<349, 8> { using ZPZ = aerobus::zpz<349>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<308>, ZPZV<328>, ZPZV<268>, ZPZV<2»; };  //
      NOLINT
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03477 template<> struct ConwayPolynomial<349, 9> { using ZPZ = aerobus::zpz<349>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<36>, ZPZV<290>, ZPZV<130>, ZPZV<347>;
      };  // NOLINT
03478 template<> struct ConwayPolynomial<353, 1> { using ZPZ = aerobus::zpz<353>; using type =
      POLYV<ZPZV<1>, ZPZV<350>; };  // NOLINT
03479 template<> struct ConwayPolynomial<353, 2> { using ZPZ = aerobus::zpz<353>; using type =
      POLYV<ZPZV<1>, ZPZV<348>, ZPZV<3>; };  // NOLINT
03480 template<> struct ConwayPolynomial<353, 3> { using ZPZ = aerobus::zpz<353>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<350>; };  // NOLINT
03481 template<> struct ConwayPolynomial<353, 4> { using ZPZ = aerobus::zpz<353>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<199>, ZPZV<3>; };  // NOLINT
03482 template<> struct ConwayPolynomial<353, 5> { using ZPZ = aerobus::zpz<353>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<350>; };  // NOLINT
03483 template<> struct ConwayPolynomial<353, 6> { using ZPZ = aerobus::zpz<353>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<215>, ZPZV<226>, ZPZV<295>, ZPZV<3>; };  // NOLINT
03484 template<> struct ConwayPolynomial<353, 7> { using ZPZ = aerobus::zpz<353>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<16>, ZPZV<350>; };  // NOLINT
03485 template<> struct ConwayPolynomial<353, 8> { using ZPZ = aerobus::zpz<353>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<182>, ZPZV<26>, ZPZV<37>, ZPZV<3>; };  //
      NOLINT
03486 template<> struct ConwayPolynomial<353, 9> { using ZPZ = aerobus::zpz<353>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<319>, ZPZV<49>, ZPZV<350>;
      };  // NOLINT
03487 template<> struct ConwayPolynomial<359, 1> { using ZPZ = aerobus::zpz<359>; using type =
      POLYV<ZPZV<1>, ZPZV<352>; };  // NOLINT
03488 template<> struct ConwayPolynomial<359, 2> { using ZPZ = aerobus::zpz<359>; using type =
      POLYV<ZPZV<1>, ZPZV<358>, ZPZV<7>; };  // NOLINT
03489 template<> struct ConwayPolynomial<359, 3> { using ZPZ = aerobus::zpz<359>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<352>; };  // NOLINT
03490 template<> struct ConwayPolynomial<359, 4> { using ZPZ = aerobus::zpz<359>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<229>, ZPZV<7>; };  // NOLINT
03491 template<> struct ConwayPolynomial<359, 5> { using ZPZ = aerobus::zpz<359>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<352>; };  // NOLINT
03492 template<> struct ConwayPolynomial<359, 6> { using ZPZ = aerobus::zpz<359>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<4>, ZPZV<309>, ZPZV<327>, ZPZV<327>, ZPZV<7>; };  // NOLINT
03493 template<> struct ConwayPolynomial<359, 7> { using ZPZ = aerobus::zpz<359>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<352>; };  // NOLINT
03494 template<> struct ConwayPolynomial<359, 8> { using ZPZ = aerobus::zpz<359>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<301>, ZPZV<143>, ZPZV<271>, ZPZV<7>; };  //
      NOLINT
03495 template<> struct ConwayPolynomial<359, 9> { using ZPZ = aerobus::zpz<359>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<356>, ZPZV<165>, ZPZV<352>;
      };  // NOLINT
03496 template<> struct ConwayPolynomial<367, 1> { using ZPZ = aerobus::zpz<367>; using type =
      POLYV<ZPZV<1>, ZPZV<361>; };  // NOLINT
03497 template<> struct ConwayPolynomial<367, 2> { using ZPZ = aerobus::zpz<367>; using type =
      POLYV<ZPZV<1>, ZPZV<366>, ZPZV<6>; };  // NOLINT
03498 template<> struct ConwayPolynomial<367, 3> { using ZPZ = aerobus::zpz<367>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<10>, ZPZV<361>; };  // NOLINT
03499 template<> struct ConwayPolynomial<367, 4> { using ZPZ = aerobus::zpz<367>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<295>, ZPZV<6>; };  // NOLINT
03500 template<> struct ConwayPolynomial<367, 5> { using ZPZ = aerobus::zpz<367>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<361>; };  // NOLINT
03501 template<> struct ConwayPolynomial<367, 6> { using ZPZ = aerobus::zpz<367>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<222>, ZPZV<321>, ZPZV<324>, ZPZV<6>; };  // NOLINT
03502 template<> struct ConwayPolynomial<367, 7> { using ZPZ = aerobus::zpz<367>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<13>, ZPZV<361>; };  // NOLINT
03503 template<> struct ConwayPolynomial<367, 8> { using ZPZ = aerobus::zpz<367>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<335>, ZPZV<282>, ZPZV<50>, ZPZV<6>; };  //
      NOLINT
03504 template<> struct ConwayPolynomial<367, 9> { using ZPZ = aerobus::zpz<367>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<15>, ZPZV<213>, ZPZV<268>, ZPZV<361>;
      };  // NOLINT
03505 template<> struct ConwayPolynomial<373, 1> { using ZPZ = aerobus::zpz<373>; using type =
      POLYV<ZPZV<1>, ZPZV<371>; };  // NOLINT
03506 template<> struct ConwayPolynomial<373, 2> { using ZPZ = aerobus::zpz<373>; using type =
      POLYV<ZPZV<1>, ZPZV<369>, ZPZV<2>; };  // NOLINT
03507 template<> struct ConwayPolynomial<373, 3> { using ZPZ = aerobus::zpz<373>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<5>, ZPZV<371>; };  // NOLINT
03508 template<> struct ConwayPolynomial<373, 4> { using ZPZ = aerobus::zpz<373>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<15>, ZPZV<304>, ZPZV<2>; };  // NOLINT
03509 template<> struct ConwayPolynomial<373, 5> { using ZPZ = aerobus::zpz<373>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<371>; };  // NOLINT
03510 template<> struct ConwayPolynomial<373, 6> { using ZPZ = aerobus::zpz<373>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<126>, ZPZV<83>, ZPZV<108>, ZPZV<2>; };  // NOLINT
03511 template<> struct ConwayPolynomial<373, 7> { using ZPZ = aerobus::zpz<373>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<371>; };  // NOLINT
03512 template<> struct ConwayPolynomial<373, 8> { using ZPZ = aerobus::zpz<373>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<203>, ZPZV<219>, ZPZV<66>, ZPZV<2>; };  //
      NOLINT
03513 template<> struct ConwayPolynomial<373, 9> { using ZPZ = aerobus::zpz<373>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<14>, ZPZV<238>, ZPZV<370>, ZPZV<371>;
      };  // NOLINT
03514 template<> struct ConwayPolynomial<379, 1> { using ZPZ = aerobus::zpz<379>; using type =
      POLYV<ZPZV<1>, ZPZV<377>; };  // NOLINT
03515 template<> struct ConwayPolynomial<379, 2> { using ZPZ = aerobus::zpz<379>; using type =
      POLYV<ZPZV<1>, ZPZV<374>, ZPZV<2>; };  // NOLINT
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03516 template<> struct ConwayPolynomial<379, 3> { using ZPZ = aerobus::zpz<379>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<5>, ZPZV<377>>; };  // NOLINT
03517 template<> struct ConwayPolynomial<379, 4> { using ZPZ = aerobus::zpz<379>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<327>, ZPZV<2>>; };  // NOLINT
03518 template<> struct ConwayPolynomial<379, 5> { using ZPZ = aerobus::zpz<379>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<377>>; };  // NOLINT
03519 template<> struct ConwayPolynomial<379, 6> { using ZPZ = aerobus::zpz<379>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<374>, ZPZV<364>, ZPZV<246>, ZPZV<2>>; };  // NOLINT
03520 template<> struct ConwayPolynomial<379, 7> { using ZPZ = aerobus::zpz<379>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<14>, ZPZV<377>>; };  // NOLINT
03521 template<> struct ConwayPolynomial<379, 8> { using ZPZ = aerobus::zpz<379>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<13>, ZPZV<210>, ZPZV<194>, ZPZV<173>, ZPZV<2>>; };  //
      NOLINT
03522 template<> struct ConwayPolynomial<379, 9> { using ZPZ = aerobus::zpz<379>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<11>, ZPZV<362>, ZPZV<369>, ZPZV<377>>
      };  // NOLINT
03523 template<> struct ConwayPolynomial<383, 1> { using ZPZ = aerobus::zpz<383>; using type =
      POLYV<ZPZV<1>, ZPZV<378>>; };  // NOLINT
03524 template<> struct ConwayPolynomial<383, 2> { using ZPZ = aerobus::zpz<383>; using type =
      POLYV<ZPZV<1>, ZPZV<382>, ZPZV<5>>; };  // NOLINT
03525 template<> struct ConwayPolynomial<383, 3> { using ZPZ = aerobus::zpz<383>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<378>>; };  // NOLINT
03526 template<> struct ConwayPolynomial<383, 4> { using ZPZ = aerobus::zpz<383>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<7>, ZPZV<309>, ZPZV<5>>; };  // NOLINT
03527 template<> struct ConwayPolynomial<383, 5> { using ZPZ = aerobus::zpz<383>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<378>>; };  // NOLINT
03528 template<> struct ConwayPolynomial<383, 6> { using ZPZ = aerobus::zpz<383>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<69>, ZPZV<8>, ZPZV<158>, ZPZV<5>>; };  // NOLINT
03529 template<> struct ConwayPolynomial<383, 7> { using ZPZ = aerobus::zpz<383>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<378>>; };  // NOLINT
03530 template<> struct ConwayPolynomial<383, 8> { using ZPZ = aerobus::zpz<383>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<281>, ZPZV<332>, ZPZV<296>, ZPZV<5>>; };  //
      NOLINT
03531 template<> struct ConwayPolynomial<383, 9> { using ZPZ = aerobus::zpz<383>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<137>, ZPZV<76>, ZPZV<378>>
      };  // NOLINT
03532 template<> struct ConwayPolynomial<389, 1> { using ZPZ = aerobus::zpz<389>; using type =
      POLYV<ZPZV<1>, ZPZV<387>>; };  // NOLINT
03533 template<> struct ConwayPolynomial<389, 2> { using ZPZ = aerobus::zpz<389>; using type =
      POLYV<ZPZV<1>, ZPZV<379>, ZPZV<2>>; };  // NOLINT
03534 template<> struct ConwayPolynomial<389, 3> { using ZPZ = aerobus::zpz<389>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<387>>; };  // NOLINT
03535 template<> struct ConwayPolynomial<389, 4> { using ZPZ = aerobus::zpz<389>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<266>, ZPZV<2>>; };  // NOLINT
03536 template<> struct ConwayPolynomial<389, 5> { using ZPZ = aerobus::zpz<389>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<387>>; };  // NOLINT
03537 template<> struct ConwayPolynomial<389, 6> { using ZPZ = aerobus::zpz<389>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<218>, ZPZV<339>, ZPZV<255>, ZPZV<2>>; };  // NOLINT
03538 template<> struct ConwayPolynomial<389, 7> { using ZPZ = aerobus::zpz<389>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<24>, ZPZV<387>>; };  // NOLINT
03539 template<> struct ConwayPolynomial<389, 8> { using ZPZ = aerobus::zpz<389>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<351>, ZPZV<19>, ZPZV<290>, ZPZV<2>>; };  //
      NOLINT
03540 template<> struct ConwayPolynomial<389, 9> { using ZPZ = aerobus::zpz<389>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<258>, ZPZV<308>, ZPZV<387>>;
      };  // NOLINT
03541 template<> struct ConwayPolynomial<397, 1> { using ZPZ = aerobus::zpz<397>; using type =
      POLYV<ZPZV<1>, ZPZV<392>>; };  // NOLINT
03542 template<> struct ConwayPolynomial<397, 2> { using ZPZ = aerobus::zpz<397>; using type =
      POLYV<ZPZV<1>, ZPZV<392>, ZPZV<5>>; };  // NOLINT
03543 template<> struct ConwayPolynomial<397, 3> { using ZPZ = aerobus::zpz<397>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<392>>; };  // NOLINT
03544 template<> struct ConwayPolynomial<397, 4> { using ZPZ = aerobus::zpz<397>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<12>, ZPZV<363>, ZPZV<5>>; };  // NOLINT
03545 template<> struct ConwayPolynomial<397, 5> { using ZPZ = aerobus::zpz<397>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<392>>; };  // NOLINT
03546 template<> struct ConwayPolynomial<397, 6> { using ZPZ = aerobus::zpz<397>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<382>, ZPZV<274>, ZPZV<287>, ZPZV<5>>; };  // NOLINT
03547 template<> struct ConwayPolynomial<397, 7> { using ZPZ = aerobus::zpz<397>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<12>, ZPZV<392>>; };  // NOLINT
03548 template<> struct ConwayPolynomial<397, 8> { using ZPZ = aerobus::zpz<397>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<375>, ZPZV<255>, ZPZV<203>, ZPZV<5>>; };  //
      NOLINT
03549 template<> struct ConwayPolynomial<397, 9> { using ZPZ = aerobus::zpz<397>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<166>, ZPZV<252>, ZPZV<392>>;
      };  // NOLINT
03550 template<> struct ConwayPolynomial<401, 1> { using ZPZ = aerobus::zpz<401>; using type =
      POLYV<ZPZV<1>, ZPZV<398>>; };  // NOLINT
03551 template<> struct ConwayPolynomial<401, 2> { using ZPZ = aerobus::zpz<401>; using type =
      POLYV<ZPZV<1>, ZPZV<396>, ZPZV<3>>; };  // NOLINT
03552 template<> struct ConwayPolynomial<401, 3> { using ZPZ = aerobus::zpz<401>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<398>>; };  // NOLINT
03553 template<> struct ConwayPolynomial<401, 4> { using ZPZ = aerobus::zpz<401>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<372>, ZPZV<3>>; };  // NOLINT
03554 template<> struct ConwayPolynomial<401, 5> { using ZPZ = aerobus::zpz<401>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<398>>; };  // NOLINT
03555 template<> struct ConwayPolynomial<401, 6> { using ZPZ = aerobus::zpz<401>; using type =
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      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<4>, ZPZV<115>, ZPZV<81>, ZPZV<51>, ZPZV<3>>; };  // NOLINT
03556 template<> struct ConwayPolynomial<401, 7> { using ZPZ = aerobus::zpz<401>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<398>>; };  // NOLINT
03557 template<> struct ConwayPolynomial<401, 8> { using ZPZ = aerobus::zpz<401>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<380>, ZPZV<113>, ZPZV<164>, ZPZV<3>>; };  //
      NOLINT
03558 template<> struct ConwayPolynomial<401, 9> { using ZPZ = aerobus::zpz<401>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<199>, ZPZV<158>, ZPZV<398>>;
      };  // NOLINT
03559 template<> struct ConwayPolynomial<409, 1> { using ZPZ = aerobus::zpz<409>; using type =
      POLYV<ZPZV<1>, ZPZV<388>>; };  // NOLINT
03560 template<> struct ConwayPolynomial<409, 2> { using ZPZ = aerobus::zpz<409>; using type =
      POLYV<ZPZV<1>, ZPZV<404>, ZPZV<21>>; };  // NOLINT
03561 template<> struct ConwayPolynomial<409, 3> { using ZPZ = aerobus::zpz<409>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<388>>; };  // NOLINT
03562 template<> struct ConwayPolynomial<409, 4> { using ZPZ = aerobus::zpz<409>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<12>, ZPZV<407>, ZPZV<21>>; };  // NOLINT
03563 template<> struct ConwayPolynomial<409, 5> { using ZPZ = aerobus::zpz<409>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<388>>; };  // NOLINT
03564 template<> struct ConwayPolynomial<409, 6> { using ZPZ = aerobus::zpz<409>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<372>, ZPZV<53>, ZPZV<364>, ZPZV<21>>; };  // NOLINT
03565 template<> struct ConwayPolynomial<409, 7> { using ZPZ = aerobus::zpz<409>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<388>>; };  // NOLINT
03566 template<> struct ConwayPolynomial<409, 8> { using ZPZ = aerobus::zpz<409>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<256>, ZPZV<69>, ZPZV<396>, ZPZV<21>>; };  //
      NOLINT
03567 template<> struct ConwayPolynomial<409, 9> { using ZPZ = aerobus::zpz<409>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<318>, ZPZV<211>, ZPZV<388>>;
      };  // NOLINT
03568 template<> struct ConwayPolynomial<419, 1> { using ZPZ = aerobus::zpz<419>; using type =
      POLYV<ZPZV<1>, ZPZV<417>>; };  // NOLINT
03569 template<> struct ConwayPolynomial<419, 2> { using ZPZ = aerobus::zpz<419>; using type =
      POLYV<ZPZV<1>, ZPZV<418>, ZPZV<2>>; };  // NOLINT
03570 template<> struct ConwayPolynomial<419, 3> { using ZPZ = aerobus::zpz<419>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<11>, ZPZV<417>>; };  // NOLINT
03571 template<> struct ConwayPolynomial<419, 4> { using ZPZ = aerobus::zpz<419>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<4>, ZPZV<373>, ZPZV<2>>; };  // NOLINT
03572 template<> struct ConwayPolynomial<419, 5> { using ZPZ = aerobus::zpz<419>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<417>>; };  // NOLINT
03573 template<> struct ConwayPolynomial<419, 6> { using ZPZ = aerobus::zpz<419>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<411>, ZPZV<33>, ZPZV<257>, ZPZV<2>>; };  // NOLINT
03574 template<> struct ConwayPolynomial<419, 7> { using ZPZ = aerobus::zpz<419>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<417>>; };  // NOLINT
03575 template<> struct ConwayPolynomial<419, 8> { using ZPZ = aerobus::zpz<419>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<234>, ZPZV<388>, ZPZV<151>, ZPZV<2>>; };  //
      NOLINT
03576 template<> struct ConwayPolynomial<419, 9> { using ZPZ = aerobus::zpz<419>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<93>, ZPZV<386>, ZPZV<417>>;
      };  // NOLINT
03577 template<> struct ConwayPolynomial<421, 1> { using ZPZ = aerobus::zpz<421>; using type =
      POLYV<ZPZV<1>, ZPZV<419>>; };  // NOLINT
03578 template<> struct ConwayPolynomial<421, 2> { using ZPZ = aerobus::zpz<421>; using type =
      POLYV<ZPZV<1>, ZPZV<417>, ZPZV<2>>; };  // NOLINT
03579 template<> struct ConwayPolynomial<421, 3> { using ZPZ = aerobus::zpz<421>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<419>>; };  // NOLINT
03580 template<> struct ConwayPolynomial<421, 4> { using ZPZ = aerobus::zpz<421>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<10>, ZPZV<257>, ZPZV<2>>; };  // NOLINT
03581 template<> struct ConwayPolynomial<421, 5> { using ZPZ = aerobus::zpz<421>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<15>, ZPZV<419>>; };  // NOLINT
03582 template<> struct ConwayPolynomial<421, 6> { using ZPZ = aerobus::zpz<421>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<111>, ZPZV<342>, ZPZV<41>, ZPZV<2>>; };  // NOLINT
03583 template<> struct ConwayPolynomial<421, 7> { using ZPZ = aerobus::zpz<421>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<21>, ZPZV<419>>; };  // NOLINT
03584 template<> struct ConwayPolynomial<421, 8> { using ZPZ = aerobus::zpz<421>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<389>, ZPZV<32>, ZPZV<77>, ZPZV<2>>; };  //
      NOLINT
03585 template<> struct ConwayPolynomial<421, 9> { using ZPZ = aerobus::zpz<421>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<18>, ZPZV<394>, ZPZV<145>, ZPZV<419>>;
      };  // NOLINT
03586 template<> struct ConwayPolynomial<431, 1> { using ZPZ = aerobus::zpz<431>; using type =
      POLYV<ZPZV<1>, ZPZV<424>>; };  // NOLINT
03587 template<> struct ConwayPolynomial<431, 2> { using ZPZ = aerobus::zpz<431>; using type =
      POLYV<ZPZV<1>, ZPZV<430>, ZPZV<7>>; };  // NOLINT
03588 template<> struct ConwayPolynomial<431, 3> { using ZPZ = aerobus::zpz<431>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<424>>; };  // NOLINT
03589 template<> struct ConwayPolynomial<431, 4> { using ZPZ = aerobus::zpz<431>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<323>, ZPZV<7>>; };  // NOLINT
03590 template<> struct ConwayPolynomial<431, 5> { using ZPZ = aerobus::zpz<431>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<424>>; };  // NOLINT
03591 template<> struct ConwayPolynomial<431, 6> { using ZPZ = aerobus::zpz<431>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<4>, ZPZV<161>, ZPZV<202>, ZPZV<182>, ZPZV<7>>; };  // NOLINT
03592 template<> struct ConwayPolynomial<431, 7> { using ZPZ = aerobus::zpz<431>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<424>>; };  // NOLINT
03593 template<> struct ConwayPolynomial<431, 8> { using ZPZ = aerobus::zpz<431>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<243>, ZPZV<286>, ZPZV<115>, ZPZV<7>>; };  //
      NOLINT
03594 template<> struct ConwayPolynomial<431, 9> { using ZPZ = aerobus::zpz<431>; using type =
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      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<71>, ZPZV<329>, ZPZV<424>;
      };  // NOLINT
03595 template<> struct ConwayPolynomial<433, 1> { using ZPZ = aerobus::zpz<433>; using type =
      POLYV<ZPZV<1>, ZPZV<428>; };  // NOLINT
03596 template<> struct ConwayPolynomial<433, 2> { using ZPZ = aerobus::zpz<433>; using type =
      POLYV<ZPZV<1>, ZPZV<432>, ZPZV<5>; };  // NOLINT
03597 template<> struct ConwayPolynomial<433, 3> { using ZPZ = aerobus::zpz<433>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<428>; };  // NOLINT
03598 template<> struct ConwayPolynomial<433, 4> { using ZPZ = aerobus::zpz<433>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<6>, ZPZV<402>, ZPZV<5>; };  // NOLINT
03599 template<> struct ConwayPolynomial<433, 5> { using ZPZ = aerobus::zpz<433>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<428>; };  // NOLINT
03600 template<> struct ConwayPolynomial<433, 6> { using ZPZ = aerobus::zpz<433>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<244>, ZPZV<353>, ZPZV<360>, ZPZV<5>; };  // NOLINT
03601 template<> struct ConwayPolynomial<433, 7> { using ZPZ = aerobus::zpz<433>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<428>; };  // NOLINT
03602 template<> struct ConwayPolynomial<433, 8> { using ZPZ = aerobus::zpz<433>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<347>, ZPZV<32>, ZPZV<39>, ZPZV<5>; };  //
      NOLINT
03603 template<> struct ConwayPolynomial<433, 9> { using ZPZ = aerobus::zpz<433>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<27>, ZPZV<232>, ZPZV<45>, ZPZV<428>;
      };  // NOLINT
03604 template<> struct ConwayPolynomial<439, 1> { using ZPZ = aerobus::zpz<439>; using type =
      POLYV<ZPZV<1>, ZPZV<424>; };  // NOLINT
03605 template<> struct ConwayPolynomial<439, 2> { using ZPZ = aerobus::zpz<439>; using type =
      POLYV<ZPZV<1>, ZPZV<436>, ZPZV<15>; };  // NOLINT
03606 template<> struct ConwayPolynomial<439, 3> { using ZPZ = aerobus::zpz<439>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<424>; };  // NOLINT
03607 template<> struct ConwayPolynomial<439, 4> { using ZPZ = aerobus::zpz<439>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<323>, ZPZV<15>; };  // NOLINT
03608 template<> struct ConwayPolynomial<439, 5> { using ZPZ = aerobus::zpz<439>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<424>; };  // NOLINT
03609 template<> struct ConwayPolynomial<439, 6> { using ZPZ = aerobus::zpz<439>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<324>, ZPZV<190>, ZPZV<15>; };  // NOLINT
03610 template<> struct ConwayPolynomial<439, 7> { using ZPZ = aerobus::zpz<439>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<424>; };  // NOLINT
03611 template<> struct ConwayPolynomial<439, 8> { using ZPZ = aerobus::zpz<439>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<359>, ZPZV<296>, ZPZV<266>, ZPZV<15>; };  //
      NOLINT
03612 template<> struct ConwayPolynomial<439, 9> { using ZPZ = aerobus::zpz<439>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<16>, ZPZV<342>, ZPZV<254>, ZPZV<424>;
      };  // NOLINT
03613 template<> struct ConwayPolynomial<443, 1> { using ZPZ = aerobus::zpz<443>; using type =
      POLYV<ZPZV<1>, ZPZV<441>; };  // NOLINT
03614 template<> struct ConwayPolynomial<443, 2> { using ZPZ = aerobus::zpz<443>; using type =
      POLYV<ZPZV<1>, ZPZV<437>, ZPZV<2>; };  // NOLINT
03615 template<> struct ConwayPolynomial<443, 3> { using ZPZ = aerobus::zpz<443>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<4>, ZPZV<441>; };  // NOLINT
03616 template<> struct ConwayPolynomial<443, 4> { using ZPZ = aerobus::zpz<443>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<4>, ZPZV<383>, ZPZV<2>; };  // NOLINT
03617 template<> struct ConwayPolynomial<443, 5> { using ZPZ = aerobus::zpz<443>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<441>; };  // NOLINT
03618 template<> struct ConwayPolynomial<443, 6> { using ZPZ = aerobus::zpz<443>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<298>, ZPZV<218>, ZPZV<41>, ZPZV<2>; };  // NOLINT
03619 template<> struct ConwayPolynomial<443, 7> { using ZPZ = aerobus::zpz<443>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<441>; };  // NOLINT
03620 template<> struct ConwayPolynomial<443, 8> { using ZPZ = aerobus::zpz<443>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<437>, ZPZV<217>, ZPZV<290>, ZPZV<2>; };  //
      NOLINT
03621 template<> struct ConwayPolynomial<443, 9> { using ZPZ = aerobus::zpz<443>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<125>, ZPZV<109>, ZPZV<441>;
      };  // NOLINT
03622 template<> struct ConwayPolynomial<449, 1> { using ZPZ = aerobus::zpz<449>; using type =
      POLYV<ZPZV<1>, ZPZV<446>; };  // NOLINT
03623 template<> struct ConwayPolynomial<449, 2> { using ZPZ = aerobus::zpz<449>; using type =
      POLYV<ZPZV<1>, ZPZV<444>, ZPZV<3>; };  // NOLINT
03624 template<> struct ConwayPolynomial<449, 3> { using ZPZ = aerobus::zpz<449>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<446>; };  // NOLINT
03625 template<> struct ConwayPolynomial<449, 4> { using ZPZ = aerobus::zpz<449>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<249>, ZPZV<3>; };  // NOLINT
03626 template<> struct ConwayPolynomial<449, 5> { using ZPZ = aerobus::zpz<449>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<9>, ZPZV<446>; };  // NOLINT
03627 template<> struct ConwayPolynomial<449, 6> { using ZPZ = aerobus::zpz<449>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<437>, ZPZV<293>, ZPZV<69>, ZPZV<3>; };  // NOLINT
03628 template<> struct ConwayPolynomial<449, 7> { using ZPZ = aerobus::zpz<449>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<28>, ZPZV<446>; };  // NOLINT
03629 template<> struct ConwayPolynomial<449, 8> { using ZPZ = aerobus::zpz<449>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<361>, ZPZV<348>, ZPZV<124>, ZPZV<3>; };  //
      NOLINT
03630 template<> struct ConwayPolynomial<449, 9> { using ZPZ = aerobus::zpz<449>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<226>, ZPZV<9>, ZPZV<446>; };
      // NOLINT
03631 template<> struct ConwayPolynomial<457, 1> { using ZPZ = aerobus::zpz<457>; using type =
      POLYV<ZPZV<1>, ZPZV<444>; };  // NOLINT
03632 template<> struct ConwayPolynomial<457, 2> { using ZPZ = aerobus::zpz<457>; using type =
      POLYV<ZPZV<1>, ZPZV<454>, ZPZV<13>; };  // NOLINT
03633 template<> struct ConwayPolynomial<457, 3> { using ZPZ = aerobus::zpz<457>; using type =
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      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<444>>; };  // NOLINT
03634 template<> struct ConwayPolynomial<457, 4> { using ZPZ = aerobus::zpz<457>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<8>, ZPZV<407>, ZPZV<13>>; };  // NOLINT
03635 template<> struct ConwayPolynomial<457, 5> { using ZPZ = aerobus::zpz<457>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<444>>; };  // NOLINT
03636 template<> struct ConwayPolynomial<457, 6> { using ZPZ = aerobus::zpz<457>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<205>, ZPZV<389>, ZPZV<266>, ZPZV<13>>; };  // NOLINT
03637 template<> struct ConwayPolynomial<457, 7> { using ZPZ = aerobus::zpz<457>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<14>, ZPZV<444>>; };  // NOLINT
03638 template<> struct ConwayPolynomial<457, 8> { using ZPZ = aerobus::zpz<457>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<9>, ZPZV<365>, ZPZV<296>, ZPZV<412>, ZPZV<13>>; };  //
      NOLINT
03639 template<> struct ConwayPolynomial<457, 9> { using ZPZ = aerobus::zpz<457>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<9>, ZPZV<354>, ZPZV<84>, ZPZV<444>>;
      };  // NOLINT
03640 template<> struct ConwayPolynomial<461, 1> { using ZPZ = aerobus::zpz<461>; using type =
      POLYV<ZPZV<1>, ZPZV<459>>; };  // NOLINT
03641 template<> struct ConwayPolynomial<461, 2> { using ZPZ = aerobus::zpz<461>; using type =
      POLYV<ZPZV<1>, ZPZV<460>, ZPZV<2>>; };  // NOLINT
03642 template<> struct ConwayPolynomial<461, 3> { using ZPZ = aerobus::zpz<461>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<459>>; };  // NOLINT
03643 template<> struct ConwayPolynomial<461, 4> { using ZPZ = aerobus::zpz<461>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<393>, ZPZV<2>>; };  // NOLINT
03644 template<> struct ConwayPolynomial<461, 5> { using ZPZ = aerobus::zpz<461>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<14>, ZPZV<459>>; };  // NOLINT
03645 template<> struct ConwayPolynomial<461, 6> { using ZPZ = aerobus::zpz<461>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<439>, ZPZV<432>, ZPZV<329>, ZPZV<2>>; };  // NOLINT
03646 template<> struct ConwayPolynomial<461, 7> { using ZPZ = aerobus::zpz<461>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<459>>; };  // NOLINT
03647 template<> struct ConwayPolynomial<461, 8> { using ZPZ = aerobus::zpz<461>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<15>, ZPZV<388>, ZPZV<449>, ZPZV<321>, ZPZV<2>>; };  //
      NOLINT
03648 template<> struct ConwayPolynomial<461, 9> { using ZPZ = aerobus::zpz<461>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<210>, ZPZV<276>, ZPZV<459>>;
      };  // NOLINT
03649 template<> struct ConwayPolynomial<463, 1> { using ZPZ = aerobus::zpz<463>; using type =
      POLYV<ZPZV<1>, ZPZV<460>>; };  // NOLINT
03650 template<> struct ConwayPolynomial<463, 2> { using ZPZ = aerobus::zpz<463>; using type =
      POLYV<ZPZV<1>, ZPZV<461>, ZPZV<3>>; };  // NOLINT
03651 template<> struct ConwayPolynomial<463, 3> { using ZPZ = aerobus::zpz<463>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<10>, ZPZV<460>>; };  // NOLINT
03652 template<> struct ConwayPolynomial<463, 4> { using ZPZ = aerobus::zpz<463>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<17>, ZPZV<262>, ZPZV<3>>; };  // NOLINT
03653 template<> struct ConwayPolynomial<463, 5> { using ZPZ = aerobus::zpz<463>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<460>>; };  // NOLINT
03654 template<> struct ConwayPolynomial<463, 6> { using ZPZ = aerobus::zpz<463>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<462>, ZPZV<51>, ZPZV<110>, ZPZV<3>>; };  // NOLINT
03655 template<> struct ConwayPolynomial<463, 7> { using ZPZ = aerobus::zpz<463>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<13>, ZPZV<460>>; };  // NOLINT
03656 template<> struct ConwayPolynomial<463, 8> { using ZPZ = aerobus::zpz<463>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<234>, ZPZV<414>, ZPZV<396>, ZPZV<3>>; };  //
      NOLINT
03657 template<> struct ConwayPolynomial<463, 9> { using ZPZ = aerobus::zpz<463>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<433>, ZPZV<227>, ZPZV<460>>;
      };  // NOLINT
03658 template<> struct ConwayPolynomial<467, 1> { using ZPZ = aerobus::zpz<467>; using type =
      POLYV<ZPZV<1>, ZPZV<465>>; };  // NOLINT
03659 template<> struct ConwayPolynomial<467, 2> { using ZPZ = aerobus::zpz<467>; using type =
      POLYV<ZPZV<1>, ZPZV<463>, ZPZV<2>>; };  // NOLINT
03660 template<> struct ConwayPolynomial<467, 3> { using ZPZ = aerobus::zpz<467>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<465>>; };  // NOLINT
03661 template<> struct ConwayPolynomial<467, 4> { using ZPZ = aerobus::zpz<467>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<14>, ZPZV<353>, ZPZV<2>>; };  // NOLINT
03662 template<> struct ConwayPolynomial<467, 5> { using ZPZ = aerobus::zpz<467>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<465>>; };  // NOLINT
03663 template<> struct ConwayPolynomial<467, 6> { using ZPZ = aerobus::zpz<467>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<123>, ZPZV<62>, ZPZV<237>, ZPZV<2>>; };  // NOLINT
03664 template<> struct ConwayPolynomial<467, 7> { using ZPZ = aerobus::zpz<467>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<465>>; };  // NOLINT
03665 template<> struct ConwayPolynomial<467, 8> { using ZPZ = aerobus::zpz<467>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<318>, ZPZV<413>, ZPZV<289>, ZPZV<2>>; };  //
      NOLINT
03666 template<> struct ConwayPolynomial<467, 9> { using ZPZ = aerobus::zpz<467>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<397>, ZPZV<447>, ZPZV<465>>;
      };  // NOLINT
03667 template<> struct ConwayPolynomial<479, 1> { using ZPZ = aerobus::zpz<479>; using type =
      POLYV<ZPZV<1>, ZPZV<466>>; };  // NOLINT
03668 template<> struct ConwayPolynomial<479, 2> { using ZPZ = aerobus::zpz<479>; using type =
      POLYV<ZPZV<1>, ZPZV<474>, ZPZV<13>>; };  // NOLINT
03669 template<> struct ConwayPolynomial<479, 3> { using ZPZ = aerobus::zpz<479>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<4>, ZPZV<466>>; };  // NOLINT
03670 template<> struct ConwayPolynomial<479, 4> { using ZPZ = aerobus::zpz<479>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<6>, ZPZV<386>, ZPZV<13>>; };  // NOLINT
03671 template<> struct ConwayPolynomial<479, 5> { using ZPZ = aerobus::zpz<479>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<466>>; };  // NOLINT
03672 template<> struct ConwayPolynomial<479, 6> { using ZPZ = aerobus::zpz<479>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<243>, ZPZV<287>, ZPZV<334>, ZPZV<13>>; };  // NOLINT
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03673 template<> struct ConwayPolynomial<479, 7> { using ZPZ = aerobus::zpz<479>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<466>>; };  // NOLINT
03674 template<> struct ConwayPolynomial<479, 8> { using ZPZ = aerobus::zpz<479>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<247>, ZPZV<440>, ZPZV<17>, ZPZV<13>>; };  //
      NOLINT
03675 template<> struct ConwayPolynomial<479, 9> { using ZPZ = aerobus::zpz<479>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<3>, ZPZV<185>, ZPZV<466>>; };
      // NOLINT
03676 template<> struct ConwayPolynomial<487, 1> { using ZPZ = aerobus::zpz<487>; using type =
      POLYV<ZPZV<1>, ZPZV<484>>; };  // NOLINT
03677 template<> struct ConwayPolynomial<487, 2> { using ZPZ = aerobus::zpz<487>; using type =
      POLYV<ZPZV<1>, ZPZV<485>, ZPZV<3>>; };  // NOLINT
03678 template<> struct ConwayPolynomial<487, 3> { using ZPZ = aerobus::zpz<487>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<4>, ZPZV<484>>; };  // NOLINT
03679 template<> struct ConwayPolynomial<487, 4> { using ZPZ = aerobus::zpz<487>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<4>, ZPZV<483>, ZPZV<3>>; };  // NOLINT
03680 template<> struct ConwayPolynomial<487, 5> { using ZPZ = aerobus::zpz<487>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<484>>; };  // NOLINT
03681 template<> struct ConwayPolynomial<487, 6> { using ZPZ = aerobus::zpz<487>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<450>, ZPZV<427>, ZPZV<185>, ZPZV<3>>; };  // NOLINT
03682 template<> struct ConwayPolynomial<487, 7> { using ZPZ = aerobus::zpz<487>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<484>>; };  // NOLINT
03683 template<> struct ConwayPolynomial<487, 8> { using ZPZ = aerobus::zpz<487>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<283>, ZPZV<249>, ZPZV<137>, ZPZV<3>>; };  //
      NOLINT
03684 template<> struct ConwayPolynomial<487, 9> { using ZPZ = aerobus::zpz<487>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<271>, ZPZV<447>, ZPZV<484>>;
      };  // NOLINT
03685 template<> struct ConwayPolynomial<491, 1> { using ZPZ = aerobus::zpz<491>; using type =
      POLYV<ZPZV<1>, ZPZV<489>>; };  // NOLINT
03686 template<> struct ConwayPolynomial<491, 2> { using ZPZ = aerobus::zpz<491>; using type =
      POLYV<ZPZV<1>, ZPZV<487>, ZPZV<2>>; };  // NOLINT
03687 template<> struct ConwayPolynomial<491, 3> { using ZPZ = aerobus::zpz<491>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<489>>; };  // NOLINT
03688 template<> struct ConwayPolynomial<491, 4> { using ZPZ = aerobus::zpz<491>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<7>, ZPZV<360>, ZPZV<2>>; };  // NOLINT
03689 template<> struct ConwayPolynomial<491, 5> { using ZPZ = aerobus::zpz<491>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<489>>; };  // NOLINT
03690 template<> struct ConwayPolynomial<491, 6> { using ZPZ = aerobus::zpz<491>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<369>, ZPZV<402>, ZPZV<125>, ZPZV<2>>; };  // NOLINT
03691 template<> struct ConwayPolynomial<491, 7> { using ZPZ = aerobus::zpz<491>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<489>>; };  // NOLINT
03692 template<> struct ConwayPolynomial<491, 8> { using ZPZ = aerobus::zpz<491>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<378>, ZPZV<372>, ZPZV<216>, ZPZV<2>>; };  //
      NOLINT
03693 template<> struct ConwayPolynomial<491, 9> { using ZPZ = aerobus::zpz<491>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<149>, ZPZV<453>, ZPZV<489>>;
      };  // NOLINT
03694 template<> struct ConwayPolynomial<499, 1> { using ZPZ = aerobus::zpz<499>; using type =
      POLYV<ZPZV<1>, ZPZV<492>>; };  // NOLINT
03695 template<> struct ConwayPolynomial<499, 2> { using ZPZ = aerobus::zpz<499>; using type =
      POLYV<ZPZV<1>, ZPZV<493>, ZPZV<7>>; };  // NOLINT
03696 template<> struct ConwayPolynomial<499, 3> { using ZPZ = aerobus::zpz<499>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<492>>; };  // NOLINT
03697 template<> struct ConwayPolynomial<499, 4> { using ZPZ = aerobus::zpz<499>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<4>, ZPZV<495>, ZPZV<7>>; };  // NOLINT
03698 template<> struct ConwayPolynomial<499, 5> { using ZPZ = aerobus::zpz<499>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<17>, ZPZV<492>>; };  // NOLINT
03699 template<> struct ConwayPolynomial<499, 6> { using ZPZ = aerobus::zpz<499>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<407>, ZPZV<191>, ZPZV<78>, ZPZV<7>>; };  // NOLINT
03700 template<> struct ConwayPolynomial<499, 7> { using ZPZ = aerobus::zpz<499>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<492>>; };  // NOLINT
03701 template<> struct ConwayPolynomial<499, 8> { using ZPZ = aerobus::zpz<499>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<288>, ZPZV<309>, ZPZV<200>, ZPZV<7>>; };  //
      NOLINT
03702 template<> struct ConwayPolynomial<499, 9> { using ZPZ = aerobus::zpz<499>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<491>, ZPZV<222>, ZPZV<492>>;
      };  // NOLINT
03703 template<> struct ConwayPolynomial<503, 1> { using ZPZ = aerobus::zpz<503>; using type =
      POLYV<ZPZV<1>, ZPZV<498>>; };  // NOLINT
03704 template<> struct ConwayPolynomial<503, 2> { using ZPZ = aerobus::zpz<503>; using type =
      POLYV<ZPZV<1>, ZPZV<498>, ZPZV<5>>; };  // NOLINT
03705 template<> struct ConwayPolynomial<503, 3> { using ZPZ = aerobus::zpz<503>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<498>>; };  // NOLINT
03706 template<> struct ConwayPolynomial<503, 4> { using ZPZ = aerobus::zpz<503>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<6>, ZPZV<325>, ZPZV<5>>; };  // NOLINT
03707 template<> struct ConwayPolynomial<503, 5> { using ZPZ = aerobus::zpz<503>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<15>, ZPZV<498>>; };  // NOLINT
03708 template<> struct ConwayPolynomial<503, 6> { using ZPZ = aerobus::zpz<503>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<380>, ZPZV<292>, ZPZV<255>, ZPZV<5>>; };  // NOLINT
03709 template<> struct ConwayPolynomial<503, 7> { using ZPZ = aerobus::zpz<503>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<11>, ZPZV<498>>; };  // NOLINT
03710 template<> struct ConwayPolynomial<503, 8> { using ZPZ = aerobus::zpz<503>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<441>, ZPZV<203>, ZPZV<316>, ZPZV<5>>; };  //
      NOLINT
03711 template<> struct ConwayPolynomial<503, 9> { using ZPZ = aerobus::zpz<503>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<158>, ZPZV<337>, ZPZV<498>>;
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      };  // NOLINT
03712 template<> struct ConwayPolynomial<509, 1> { using ZPZ = aerobus::zpz<509>; using type =
      POLYV<ZPZV<1>, ZPZV<507>>; };  // NOLINT
03713 template<> struct ConwayPolynomial<509, 2> { using ZPZ = aerobus::zpz<509>; using type =
      POLYV<ZPZV<1>, ZPZV<508>, ZPZV<2>>; };  // NOLINT
03714 template<> struct ConwayPolynomial<509, 3> { using ZPZ = aerobus::zpz<509>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<507>>; };  // NOLINT
03715 template<> struct ConwayPolynomial<509, 4> { using ZPZ = aerobus::zpz<509>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<4>, ZPZV<408>, ZPZV<2>>; };  // NOLINT
03716 template<> struct ConwayPolynomial<509, 5> { using ZPZ = aerobus::zpz<509>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<507>>; };  // NOLINT
03717 template<> struct ConwayPolynomial<509, 6> { using ZPZ = aerobus::zpz<509>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<350>, ZPZV<232>, ZPZV<41>, ZPZV<2>>; };  // NOLINT
03718 template<> struct ConwayPolynomial<509, 7> { using ZPZ = aerobus::zpz<509>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<507>>; };  // NOLINT
03719 template<> struct ConwayPolynomial<509, 8> { using ZPZ = aerobus::zpz<509>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<420>, ZPZV<473>, ZPZV<382>, ZPZV<2>>; };  //
      NOLINT
03720 template<> struct ConwayPolynomial<509, 9> { using ZPZ = aerobus::zpz<509>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<314>, ZPZV<28>, ZPZV<507>>;
      };  // NOLINT
03721 template<> struct ConwayPolynomial<521, 1> { using ZPZ = aerobus::zpz<521>; using type =
      POLYV<ZPZV<1>, ZPZV<518>>; };  // NOLINT
03722 template<> struct ConwayPolynomial<521, 2> { using ZPZ = aerobus::zpz<521>; using type =
      POLYV<ZPZV<1>, ZPZV<515>, ZPZV<3>>; };  // NOLINT
03723 template<> struct ConwayPolynomial<521, 3> { using ZPZ = aerobus::zpz<521>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<4>, ZPZV<518>>; };  // NOLINT
03724 template<> struct ConwayPolynomial<521, 4> { using ZPZ = aerobus::zpz<521>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<509>, ZPZV<3>>; };  // NOLINT
03725 template<> struct ConwayPolynomial<521, 5> { using ZPZ = aerobus::zpz<521>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<518>>; };  // NOLINT
03726 template<> struct ConwayPolynomial<521, 6> { using ZPZ = aerobus::zpz<521>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<315>, ZPZV<153>, ZPZV<280>, ZPZV<3>>; };  // NOLINT
03727 template<> struct ConwayPolynomial<521, 7> { using ZPZ = aerobus::zpz<521>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<518>>; };  // NOLINT
03728 template<> struct ConwayPolynomial<521, 8> { using ZPZ = aerobus::zpz<521>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<462>, ZPZV<407>, ZPZV<312>, ZPZV<3>>; };  //
      NOLINT
03729 template<> struct ConwayPolynomial<521, 9> { using ZPZ = aerobus::zpz<521>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<181>, ZPZV<483>, ZPZV<518>>;
      };  // NOLINT
03730 template<> struct ConwayPolynomial<523, 1> { using ZPZ = aerobus::zpz<523>; using type =
      POLYV<ZPZV<1>, ZPZV<521>>; };  // NOLINT
03731 template<> struct ConwayPolynomial<523, 2> { using ZPZ = aerobus::zpz<523>; using type =
      POLYV<ZPZV<1>, ZPZV<522>, ZPZV<2>>; };  // NOLINT
03732 template<> struct ConwayPolynomial<523, 3> { using ZPZ = aerobus::zpz<523>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<5>, ZPZV<521>>; };  // NOLINT
03733 template<> struct ConwayPolynomial<523, 4> { using ZPZ = aerobus::zpz<523>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<382>, ZPZV<2>>; };  // NOLINT
03734 template<> struct ConwayPolynomial<523, 5> { using ZPZ = aerobus::zpz<523>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<521>>; };  // NOLINT
03735 template<> struct ConwayPolynomial<523, 6> { using ZPZ = aerobus::zpz<523>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<475>, ZPZV<475>, ZPZV<371>, ZPZV<2>>; };  // NOLINT
03736 template<> struct ConwayPolynomial<523, 7> { using ZPZ = aerobus::zpz<523>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<13>, ZPZV<521>>; };  // NOLINT
03737 template<> struct ConwayPolynomial<523, 8> { using ZPZ = aerobus::zpz<523>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<518>, ZPZV<184>, ZPZV<380>, ZPZV<2>>; };  //
      NOLINT
03738 template<> struct ConwayPolynomial<523, 9> { using ZPZ = aerobus::zpz<523>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<19>, ZPZV<342>, ZPZV<145>, ZPZV<521>>;
      };  // NOLINT
03739 template<> struct ConwayPolynomial<541, 1> { using ZPZ = aerobus::zpz<541>; using type =
      POLYV<ZPZV<1>, ZPZV<539>>; };  // NOLINT
03740 template<> struct ConwayPolynomial<541, 2> { using ZPZ = aerobus::zpz<541>; using type =
      POLYV<ZPZV<1>, ZPZV<537>, ZPZV<2>>; };  // NOLINT
03741 template<> struct ConwayPolynomial<541, 3> { using ZPZ = aerobus::zpz<541>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<539>>; };  // NOLINT
03742 template<> struct ConwayPolynomial<541, 4> { using ZPZ = aerobus::zpz<541>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<6>, ZPZV<333>, ZPZV<2>>; };  // NOLINT
03743 template<> struct ConwayPolynomial<541, 5> { using ZPZ = aerobus::zpz<541>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<539>>; };  // NOLINT
03744 template<> struct ConwayPolynomial<541, 6> { using ZPZ = aerobus::zpz<541>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<239>, ZPZV<320>, ZPZV<69>, ZPZV<2>>; };  // NOLINT
03745 template<> struct ConwayPolynomial<541, 7> { using ZPZ = aerobus::zpz<541>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<539>>; };  // NOLINT
03746 template<> struct ConwayPolynomial<541, 8> { using ZPZ = aerobus::zpz<541>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<376>, ZPZV<108>, ZPZV<113>, ZPZV<2>>; };  //
      NOLINT
03747 template<> struct ConwayPolynomial<541, 9> { using ZPZ = aerobus::zpz<541>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<16>, ZPZV<340>, ZPZV<318>, ZPZV<539>>;
      };  // NOLINT
03748 template<> struct ConwayPolynomial<547, 1> { using ZPZ = aerobus::zpz<547>; using type =
      POLYV<ZPZV<1>, ZPZV<545>>; };  // NOLINT
03749 template<> struct ConwayPolynomial<547, 2> { using ZPZ = aerobus::zpz<547>; using type =
      POLYV<ZPZV<1>, ZPZV<543>, ZPZV<2>>; };  // NOLINT
03750 template<> struct ConwayPolynomial<547, 3> { using ZPZ = aerobus::zpz<547>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<4>, ZPZV<545>>; };  // NOLINT
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03751 template<> struct ConwayPolynomial<547, 4> { using ZPZ = aerobus::zpz<547>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<8>, ZPZV<334>, ZPZV<2>>; };  // NOLINT
03752 template<> struct ConwayPolynomial<547, 5> { using ZPZ = aerobus::zpz<547>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<545>>; };  // NOLINT
03753 template<> struct ConwayPolynomial<547, 6> { using ZPZ = aerobus::zpz<547>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<334>, ZPZV<153>, ZPZV<423>, ZPZV<2>>; };  // NOLINT
03754 template<> struct ConwayPolynomial<547, 7> { using ZPZ = aerobus::zpz<547>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<11>, ZPZV<545>>; };  // NOLINT
03755 template<> struct ConwayPolynomial<547, 8> { using ZPZ = aerobus::zpz<547>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<368>, ZPZV<20>, ZPZV<180>, ZPZV<2>>; };  //
      NOLINT
03756 template<> struct ConwayPolynomial<547, 9> { using ZPZ = aerobus::zpz<547>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<11>, ZPZV<238>, ZPZV<263>, ZPZV<545>>;
      };  // NOLINT
03757 template<> struct ConwayPolynomial<557, 1> { using ZPZ = aerobus::zpz<557>; using type =
      POLYV<ZPZV<1>, ZPZV<555>>; };  // NOLINT
03758 template<> struct ConwayPolynomial<557, 2> { using ZPZ = aerobus::zpz<557>; using type =
      POLYV<ZPZV<1>, ZPZV<553>, ZPZV<2>>; };  // NOLINT
03759 template<> struct ConwayPolynomial<557, 3> { using ZPZ = aerobus::zpz<557>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<555>>; };  // NOLINT
03760 template<> struct ConwayPolynomial<557, 4> { using ZPZ = aerobus::zpz<557>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<7>, ZPZV<430>, ZPZV<2>>; };  // NOLINT
03761 template<> struct ConwayPolynomial<557, 5> { using ZPZ = aerobus::zpz<557>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<9>, ZPZV<555>>; };  // NOLINT
03762 template<> struct ConwayPolynomial<557, 6> { using ZPZ = aerobus::zpz<557>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<202>, ZPZV<192>, ZPZV<253>, ZPZV<2>>; };  // NOLINT
03763 template<> struct ConwayPolynomial<557, 7> { using ZPZ = aerobus::zpz<557>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<555>>; };  // NOLINT
03764 template<> struct ConwayPolynomial<557, 8> { using ZPZ = aerobus::zpz<557>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<480>, ZPZV<384>, ZPZV<113>, ZPZV<2>>; };  //
      NOLINT
03765 template<> struct ConwayPolynomial<557, 9> { using ZPZ = aerobus::zpz<557>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<456>, ZPZV<434>, ZPZV<555>>;
      };  // NOLINT
03766 template<> struct ConwayPolynomial<563, 1> { using ZPZ = aerobus::zpz<563>; using type =
      POLYV<ZPZV<1>, ZPZV<561>>; };  // NOLINT
03767 template<> struct ConwayPolynomial<563, 2> { using ZPZ = aerobus::zpz<563>; using type =
      POLYV<ZPZV<1>, ZPZV<559>, ZPZV<2>>; };  // NOLINT
03768 template<> struct ConwayPolynomial<563, 3> { using ZPZ = aerobus::zpz<563>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<561>>; };  // NOLINT
03769 template<> struct ConwayPolynomial<563, 4> { using ZPZ = aerobus::zpz<563>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<20>, ZPZV<399>, ZPZV<2>>; };  // NOLINT
03770 template<> struct ConwayPolynomial<563, 5> { using ZPZ = aerobus::zpz<563>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<561>>; };  // NOLINT
03771 template<> struct ConwayPolynomial<563, 6> { using ZPZ = aerobus::zpz<563>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<122>, ZPZV<303>, ZPZV<246>, ZPZV<2>>; };  // NOLINT
03772 template<> struct ConwayPolynomial<563, 7> { using ZPZ = aerobus::zpz<563>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<561>>; };  // NOLINT
03773 template<> struct ConwayPolynomial<563, 8> { using ZPZ = aerobus::zpz<563>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<503>, ZPZV<176>, ZPZV<509>, ZPZV<2>>; };  //
      NOLINT
03774 template<> struct ConwayPolynomial<563, 9> { using ZPZ = aerobus::zpz<563>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<15>, ZPZV<19>, ZPZV<561>>; };
      // NOLINT
03775 template<> struct ConwayPolynomial<569, 1> { using ZPZ = aerobus::zpz<569>; using type =
      POLYV<ZPZV<1>, ZPZV<566>>; };  // NOLINT
03776 template<> struct ConwayPolynomial<569, 2> { using ZPZ = aerobus::zpz<569>; using type =
      POLYV<ZPZV<1>, ZPZV<568>, ZPZV<3>>; };  // NOLINT
03777 template<> struct ConwayPolynomial<569, 3> { using ZPZ = aerobus::zpz<569>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<4>, ZPZV<566>>; };  // NOLINT
03778 template<> struct ConwayPolynomial<569, 4> { using ZPZ = aerobus::zpz<569>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<7>, ZPZV<381>, ZPZV<3>>; };  // NOLINT
03779 template<> struct ConwayPolynomial<569, 5> { using ZPZ = aerobus::zpz<569>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<566>>; };  // NOLINT
03780 template<> struct ConwayPolynomial<569, 6> { using ZPZ = aerobus::zpz<569>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<50>, ZPZV<263>, ZPZV<480>, ZPZV<3>>; };  // NOLINT
03781 template<> struct ConwayPolynomial<569, 7> { using ZPZ = aerobus::zpz<569>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<566>>; };  // NOLINT
03782 template<> struct ConwayPolynomial<569, 8> { using ZPZ = aerobus::zpz<569>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<527>, ZPZV<173>, ZPZV<241>, ZPZV<3>>; };  //
      NOLINT
03783 template<> struct ConwayPolynomial<569, 9> { using ZPZ = aerobus::zpz<569>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<478>, ZPZV<566>, ZPZV<566>>;
      };  // NOLINT
03784 template<> struct ConwayPolynomial<571, 1> { using ZPZ = aerobus::zpz<571>; using type =
      POLYV<ZPZV<1>, ZPZV<568>>; };  // NOLINT
03785 template<> struct ConwayPolynomial<571, 2> { using ZPZ = aerobus::zpz<571>; using type =
      POLYV<ZPZV<1>, ZPZV<570>, ZPZV<3>>; };  // NOLINT
03786 template<> struct ConwayPolynomial<571, 3> { using ZPZ = aerobus::zpz<571>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<8>, ZPZV<568>>; };  // NOLINT
03787 template<> struct ConwayPolynomial<571, 4> { using ZPZ = aerobus::zpz<571>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<402>, ZPZV<3>>; };  // NOLINT
03788 template<> struct ConwayPolynomial<571, 5> { using ZPZ = aerobus::zpz<571>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<568>>; };  // NOLINT
03789 template<> struct ConwayPolynomial<571, 6> { using ZPZ = aerobus::zpz<571>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<221>, ZPZV<295>, ZPZV<33>, ZPZV<3>>; };  // NOLINT
03790 template<> struct ConwayPolynomial<571, 7> { using ZPZ = aerobus::zpz<571>; using type =
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      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<568»; };  // NOLINT
03791 template<> struct ConwayPolynomial<571, 8> { using ZPZ = aerobus::zpz<571>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<363>, ZPZV<119>, ZPZV<371>, ZPZV<3»; };  //
      NOLINT
03792 template<> struct ConwayPolynomial<571, 9> { using ZPZ = aerobus::zpz<571>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<34>, ZPZV<545>, ZPZV<179>, ZPZV<568»;
      };  // NOLINT
03793 template<> struct ConwayPolynomial<577, 1> { using ZPZ = aerobus::zpz<577>; using type =
      POLYV<ZPZV<1>, ZPZV<572»; };  // NOLINT
03794 template<> struct ConwayPolynomial<577, 2> { using ZPZ = aerobus::zpz<577>; using type =
      POLYV<ZPZV<1>, ZPZV<572>, ZPZV<5»; };  // NOLINT
03795 template<> struct ConwayPolynomial<577, 3> { using ZPZ = aerobus::zpz<577>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<572»; };  // NOLINT
03796 template<> struct ConwayPolynomial<577, 4> { using ZPZ = aerobus::zpz<577>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<12>, ZPZV<494>, ZPZV<5»; };  // NOLINT
03797 template<> struct ConwayPolynomial<577, 5> { using ZPZ = aerobus::zpz<577>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<572»; };  // NOLINT
03798 template<> struct ConwayPolynomial<577, 6> { using ZPZ = aerobus::zpz<577>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<450>, ZPZV<25>, ZPZV<283>, ZPZV<5»; };  // NOLINT
03799 template<> struct ConwayPolynomial<577, 7> { using ZPZ = aerobus::zpz<577>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<572»; };  // NOLINT
03800 template<> struct ConwayPolynomial<577, 8> { using ZPZ = aerobus::zpz<577>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<12>, ZPZV<450>, ZPZV<545>, ZPZV<321>, ZPZV<5»; };  //
      NOLINT
03801 template<> struct ConwayPolynomial<577, 9> { using ZPZ = aerobus::zpz<577>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<17>, ZPZV<576>, ZPZV<449>, ZPZV<572»;
      };  // NOLINT
03802 template<> struct ConwayPolynomial<587, 1> { using ZPZ = aerobus::zpz<587>; using type =
      POLYV<ZPZV<1>, ZPZV<585»; };  // NOLINT
03803 template<> struct ConwayPolynomial<587, 2> { using ZPZ = aerobus::zpz<587>; using type =
      POLYV<ZPZV<1>, ZPZV<583>, ZPZV<2»; };  // NOLINT
03804 template<> struct ConwayPolynomial<587, 3> { using ZPZ = aerobus::zpz<587>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<585»; };  // NOLINT
03805 template<> struct ConwayPolynomial<587, 4> { using ZPZ = aerobus::zpz<587>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<16>, ZPZV<444>, ZPZV<2»; };  // NOLINT
03806 template<> struct ConwayPolynomial<587, 5> { using ZPZ = aerobus::zpz<587>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<585»; };  // NOLINT
03807 template<> struct ConwayPolynomial<587, 6> { using ZPZ = aerobus::zpz<587>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<204>, ZPZV<121>, ZPZV<226>, ZPZV<2»; };  // NOLINT
03808 template<> struct ConwayPolynomial<587, 7> { using ZPZ = aerobus::zpz<587>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<585»; };  // NOLINT
03809 template<> struct ConwayPolynomial<587, 8> { using ZPZ = aerobus::zpz<587>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<492>, ZPZV<44>, ZPZV<91>, ZPZV<2»; };  //
      NOLINT
03810 template<> struct ConwayPolynomial<587, 9> { using ZPZ = aerobus::zpz<587>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<333>, ZPZV<55>, ZPZV<585»;
      };  // NOLINT
03811 template<> struct ConwayPolynomial<593, 1> { using ZPZ = aerobus::zpz<593>; using type =
      POLYV<ZPZV<1>, ZPZV<590»; };  // NOLINT
03812 template<> struct ConwayPolynomial<593, 2> { using ZPZ = aerobus::zpz<593>; using type =
      POLYV<ZPZV<1>, ZPZV<592>, ZPZV<3»; };  // NOLINT
03813 template<> struct ConwayPolynomial<593, 3> { using ZPZ = aerobus::zpz<593>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<6>, ZPZV<590»; };  // NOLINT
03814 template<> struct ConwayPolynomial<593, 4> { using ZPZ = aerobus::zpz<593>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<4>, ZPZV<419>, ZPZV<3»; };  // NOLINT
03815 template<> struct ConwayPolynomial<593, 5> { using ZPZ = aerobus::zpz<593>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<590»; };  // NOLINT
03816 template<> struct ConwayPolynomial<593, 6> { using ZPZ = aerobus::zpz<593>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<345>, ZPZV<65>, ZPZV<478>, ZPZV<3»; };  // NOLINT
03817 template<> struct ConwayPolynomial<593, 7> { using ZPZ = aerobus::zpz<593>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<15>, ZPZV<590»; };  // NOLINT
03818 template<> struct ConwayPolynomial<593, 8> { using ZPZ = aerobus::zpz<593>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<9>, ZPZV<350>, ZPZV<291>, ZPZV<495>, ZPZV<3»; };  //
      NOLINT
03819 template<> struct ConwayPolynomial<593, 9> { using ZPZ = aerobus::zpz<593>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<223>, ZPZV<523>, ZPZV<590»;
      };  // NOLINT
03820 template<> struct ConwayPolynomial<599, 1> { using ZPZ = aerobus::zpz<599>; using type =
      POLYV<ZPZV<1>, ZPZV<592»; };  // NOLINT
03821 template<> struct ConwayPolynomial<599, 2> { using ZPZ = aerobus::zpz<599>; using type =
      POLYV<ZPZV<1>, ZPZV<598>, ZPZV<7»; };  // NOLINT
03822 template<> struct ConwayPolynomial<599, 3> { using ZPZ = aerobus::zpz<599>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<592»; };  // NOLINT
03823 template<> struct ConwayPolynomial<599, 4> { using ZPZ = aerobus::zpz<599>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<419>, ZPZV<7»; };  // NOLINT
03824 template<> struct ConwayPolynomial<599, 5> { using ZPZ = aerobus::zpz<599>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<592»; };  // NOLINT
03825 template<> struct ConwayPolynomial<599, 6> { using ZPZ = aerobus::zpz<599>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<515>, ZPZV<274>, ZPZV<586>, ZPZV<7»; };  // NOLINT
03826 template<> struct ConwayPolynomial<599, 7> { using ZPZ = aerobus::zpz<599>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<592»; };  // NOLINT
03827 template<> struct ConwayPolynomial<599, 8> { using ZPZ = aerobus::zpz<599>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<440>, ZPZV<37>, ZPZV<124>, ZPZV<7»; };  //
      NOLINT
03828 template<> struct ConwayPolynomial<599, 9> { using ZPZ = aerobus::zpz<599>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<114>, ZPZV<98>, ZPZV<592»;
      };  // NOLINT
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03829 template<> struct ConwayPolynomial<601, 1> { using ZPZ = aerobus::zpz<601>; using type =
      POLYV<ZPZV<1>, ZPZV<594>>; };  // NOLINT
03830 template<> struct ConwayPolynomial<601, 2> { using ZPZ = aerobus::zpz<601>; using type =
      POLYV<ZPZV<1>, ZPZV<598>, ZPZV<7>>; };  // NOLINT
03831 template<> struct ConwayPolynomial<601, 3> { using ZPZ = aerobus::zpz<601>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<594>>; };  // NOLINT
03832 template<> struct ConwayPolynomial<601, 4> { using ZPZ = aerobus::zpz<601>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<14>, ZPZV<347>, ZPZV<7>>; };  // NOLINT
03833 template<> struct ConwayPolynomial<601, 5> { using ZPZ = aerobus::zpz<601>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<13>, ZPZV<594>>; };  // NOLINT
03834 template<> struct ConwayPolynomial<601, 6> { using ZPZ = aerobus::zpz<601>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<128>, ZPZV<440>, ZPZV<49>, ZPZV<7>>; };  // NOLINT
03835 template<> struct ConwayPolynomial<601, 7> { using ZPZ = aerobus::zpz<601>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<594>>; };  // NOLINT
03836 template<> struct ConwayPolynomial<601, 8> { using ZPZ = aerobus::zpz<601>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<550>, ZPZV<241>, ZPZV<490>, ZPZV<7>>; };  //
      NOLINT
03837 template<> struct ConwayPolynomial<601, 9> { using ZPZ = aerobus::zpz<601>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<487>, ZPZV<590>, ZPZV<594>>;
      };  // NOLINT
03838 template<> struct ConwayPolynomial<607, 1> { using ZPZ = aerobus::zpz<607>; using type =
      POLYV<ZPZV<1>, ZPZV<604>>; };  // NOLINT
03839 template<> struct ConwayPolynomial<607, 2> { using ZPZ = aerobus::zpz<607>; using type =
      POLYV<ZPZV<1>, ZPZV<606>, ZPZV<3>>; };  // NOLINT
03840 template<> struct ConwayPolynomial<607, 3> { using ZPZ = aerobus::zpz<607>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<5>, ZPZV<604>>; };  // NOLINT
03841 template<> struct ConwayPolynomial<607, 4> { using ZPZ = aerobus::zpz<607>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<8>, ZPZV<449>, ZPZV<3>>; };  // NOLINT
03842 template<> struct ConwayPolynomial<607, 5> { using ZPZ = aerobus::zpz<607>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<604>>; };  // NOLINT
03843 template<> struct ConwayPolynomial<607, 6> { using ZPZ = aerobus::zpz<607>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<45>, ZPZV<478>, ZPZV<3>>; };  // NOLINT
03844 template<> struct ConwayPolynomial<607, 7> { using ZPZ = aerobus::zpz<607>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<9>, ZPZV<604>>; };  // NOLINT
03845 template<> struct ConwayPolynomial<607, 8> { using ZPZ = aerobus::zpz<607>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<468>, ZPZV<35>, ZPZV<449>, ZPZV<3>>; };  //
      NOLINT
03846 template<> struct ConwayPolynomial<607, 9> { using ZPZ = aerobus::zpz<607>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<444>, ZPZV<129>, ZPZV<604>>;
      };  // NOLINT
03847 template<> struct ConwayPolynomial<613, 1> { using ZPZ = aerobus::zpz<613>; using type =
      POLYV<ZPZV<1>, ZPZV<611>>; };  // NOLINT
03848 template<> struct ConwayPolynomial<613, 2> { using ZPZ = aerobus::zpz<613>; using type =
      POLYV<ZPZV<1>, ZPZV<609>, ZPZV<2>>; };  // NOLINT
03849 template<> struct ConwayPolynomial<613, 3> { using ZPZ = aerobus::zpz<613>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<6>, ZPZV<611>>; };  // NOLINT
03850 template<> struct ConwayPolynomial<613, 4> { using ZPZ = aerobus::zpz<613>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<12>, ZPZV<333>, ZPZV<2>>; };  // NOLINT
03851 template<> struct ConwayPolynomial<613, 5> { using ZPZ = aerobus::zpz<613>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<32>, ZPZV<611>>; };  // NOLINT
03852 template<> struct ConwayPolynomial<613, 6> { using ZPZ = aerobus::zpz<613>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<609>, ZPZV<595>, ZPZV<601>, ZPZV<2>>; };  // NOLINT
03853 template<> struct ConwayPolynomial<613, 7> { using ZPZ = aerobus::zpz<613>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<611>>; };  // NOLINT
03854 template<> struct ConwayPolynomial<613, 8> { using ZPZ = aerobus::zpz<613>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<489>, ZPZV<57>, ZPZV<539>, ZPZV<2>>; };  //
      NOLINT
03855 template<> struct ConwayPolynomial<613, 9> { using ZPZ = aerobus::zpz<613>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<513>, ZPZV<536>, ZPZV<611>>;
      };  // NOLINT
03856 template<> struct ConwayPolynomial<617, 1> { using ZPZ = aerobus::zpz<617>; using type =
      POLYV<ZPZV<1>, ZPZV<614>>; };  // NOLINT
03857 template<> struct ConwayPolynomial<617, 2> { using ZPZ = aerobus::zpz<617>; using type =
      POLYV<ZPZV<1>, ZPZV<612>, ZPZV<3>>; };  // NOLINT
03858 template<> struct ConwayPolynomial<617, 3> { using ZPZ = aerobus::zpz<617>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<614>>; };  // NOLINT
03859 template<> struct ConwayPolynomial<617, 4> { using ZPZ = aerobus::zpz<617>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<503>, ZPZV<3>>; };  // NOLINT
03860 template<> struct ConwayPolynomial<617, 5> { using ZPZ = aerobus::zpz<617>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<614>>; };  // NOLINT
03861 template<> struct ConwayPolynomial<617, 6> { using ZPZ = aerobus::zpz<617>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<318>, ZPZV<595>, ZPZV<310>, ZPZV<3>>; };  // NOLINT
03862 template<> struct ConwayPolynomial<617, 7> { using ZPZ = aerobus::zpz<617>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<614>>; };  // NOLINT
03863 template<> struct ConwayPolynomial<617, 8> { using ZPZ = aerobus::zpz<617>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<519>, ZPZV<501>, ZPZV<155>, ZPZV<3>>; };  //
      NOLINT
03864 template<> struct ConwayPolynomial<617, 9> { using ZPZ = aerobus::zpz<617>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<15>, ZPZV<388>, ZPZV<543>, ZPZV<614>>;
      };  // NOLINT
03865 template<> struct ConwayPolynomial<619, 1> { using ZPZ = aerobus::zpz<619>; using type =
      POLYV<ZPZV<1>, ZPZV<617>>; };  // NOLINT
03866 template<> struct ConwayPolynomial<619, 2> { using ZPZ = aerobus::zpz<619>; using type =
      POLYV<ZPZV<1>, ZPZV<618>, ZPZV<2>>; };  // NOLINT
03867 template<> struct ConwayPolynomial<619, 3> { using ZPZ = aerobus::zpz<619>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<6>, ZPZV<617>>; };  // NOLINT
03868 template<> struct ConwayPolynomial<619, 4> { using ZPZ = aerobus::zpz<619>; using type =
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      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<6>, ZPZV<492>, ZPZV<2»; };  // NOLINT
03869 template<> struct ConwayPolynomial<619, 5> { using ZPZ = aerobus::zpz<619>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<617»; };  // NOLINT
03870 template<> struct ConwayPolynomial<619, 6> { using ZPZ = aerobus::zpz<619>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<238>, ZPZV<468>, ZPZV<347>, ZPZV<2»; };  // NOLINT
03871 template<> struct ConwayPolynomial<619, 7> { using ZPZ = aerobus::zpz<619>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<617»; };  // NOLINT
03872 template<> struct ConwayPolynomial<619, 8> { using ZPZ = aerobus::zpz<619>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<416>, ZPZV<383>, ZPZV<225>, ZPZV<2»; };  //
      NOLINT
03873 template<> struct ConwayPolynomial<619, 9> { using ZPZ = aerobus::zpz<619>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<579>, ZPZV<310>, ZPZV<617»;
      };  // NOLINT
03874 template<> struct ConwayPolynomial<631, 1> { using ZPZ = aerobus::zpz<631>; using type =
      POLYV<ZPZV<1>, ZPZV<628»; };  // NOLINT
03875 template<> struct ConwayPolynomial<631, 2> { using ZPZ = aerobus::zpz<631>; using type =
      POLYV<ZPZV<1>, ZPZV<629>, ZPZV<3»; };  // NOLINT
03876 template<> struct ConwayPolynomial<631, 3> { using ZPZ = aerobus::zpz<631>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<5>, ZPZV<628»; };  // NOLINT
03877 template<> struct ConwayPolynomial<631, 4> { using ZPZ = aerobus::zpz<631>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<6>, ZPZV<376>, ZPZV<3»; };  // NOLINT
03878 template<> struct ConwayPolynomial<631, 5> { using ZPZ = aerobus::zpz<631>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<628»; };  // NOLINT
03879 template<> struct ConwayPolynomial<631, 6> { using ZPZ = aerobus::zpz<631>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<516>, ZPZV<541>, ZPZV<106>, ZPZV<3»; };  // NOLINT
03880 template<> struct ConwayPolynomial<631, 7> { using ZPZ = aerobus::zpz<631>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<628»; };  // NOLINT
03881 template<> struct ConwayPolynomial<631, 8> { using ZPZ = aerobus::zpz<631>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<379>, ZPZV<516>, ZPZV<187>, ZPZV<3»; };  //
      NOLINT
03882 template<> struct ConwayPolynomial<631, 9> { using ZPZ = aerobus::zpz<631>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<296>, ZPZV<413>, ZPZV<628»;
      };  // NOLINT
03883 template<> struct ConwayPolynomial<641, 1> { using ZPZ = aerobus::zpz<641>; using type =
      POLYV<ZPZV<1>, ZPZV<638»; };  // NOLINT
03884 template<> struct ConwayPolynomial<641, 2> { using ZPZ = aerobus::zpz<641>; using type =
      POLYV<ZPZV<1>, ZPZV<635>, ZPZV<3»; };  // NOLINT
03885 template<> struct ConwayPolynomial<641, 3> { using ZPZ = aerobus::zpz<641>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<4>, ZPZV<638»; };  // NOLINT
03886 template<> struct ConwayPolynomial<641, 4> { using ZPZ = aerobus::zpz<641>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<629>, ZPZV<3»; };  // NOLINT
03887 template<> struct ConwayPolynomial<641, 5> { using ZPZ = aerobus::zpz<641>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<638»; };  // NOLINT
03888 template<> struct ConwayPolynomial<641, 6> { using ZPZ = aerobus::zpz<641>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<105>, ZPZV<557>, ZPZV<294>, ZPZV<3»; };  // NOLINT
03889 template<> struct ConwayPolynomial<641, 7> { using ZPZ = aerobus::zpz<641>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<638»; };  // NOLINT
03890 template<> struct ConwayPolynomial<641, 8> { using ZPZ = aerobus::zpz<641>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<356>, ZPZV<392>, ZPZV<332>, ZPZV<3»; };  //
      NOLINT
03891 template<> struct ConwayPolynomial<641, 9> { using ZPZ = aerobus::zpz<641>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<66>, ZPZV<141>, ZPZV<638»;
      };  // NOLINT
03892 template<> struct ConwayPolynomial<643, 1> { using ZPZ = aerobus::zpz<643>; using type =
      POLYV<ZPZV<1>, ZPZV<632»; };  // NOLINT
03893 template<> struct ConwayPolynomial<643, 2> { using ZPZ = aerobus::zpz<643>; using type =
      POLYV<ZPZV<1>, ZPZV<641>, ZPZV<11»; };  // NOLINT
03894 template<> struct ConwayPolynomial<643, 3> { using ZPZ = aerobus::zpz<643>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<632»; };  // NOLINT
03895 template<> struct ConwayPolynomial<643, 4> { using ZPZ = aerobus::zpz<643>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<600>, ZPZV<11»; };  // NOLINT
03896 template<> struct ConwayPolynomial<643, 5> { using ZPZ = aerobus::zpz<643>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<632»; };  // NOLINT
03897 template<> struct ConwayPolynomial<643, 6> { using ZPZ = aerobus::zpz<643>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<345>, ZPZV<412>, ZPZV<293>, ZPZV<11»; };  // NOLINT
03898 template<> struct ConwayPolynomial<643, 7> { using ZPZ = aerobus::zpz<643>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<632»; };  // NOLINT
03899 template<> struct ConwayPolynomial<643, 8> { using ZPZ = aerobus::zpz<643>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<631>, ZPZV<573>, ZPZV<569>, ZPZV<11»; };  //
      NOLINT
03900 template<> struct ConwayPolynomial<643, 9> { using ZPZ = aerobus::zpz<643>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<591>, ZPZV<475>, ZPZV<632»;
      };  // NOLINT
03901 template<> struct ConwayPolynomial<647, 1> { using ZPZ = aerobus::zpz<647>; using type =
      POLYV<ZPZV<1>, ZPZV<642»; };  // NOLINT
03902 template<> struct ConwayPolynomial<647, 2> { using ZPZ = aerobus::zpz<647>; using type =
      POLYV<ZPZV<1>, ZPZV<645>, ZPZV<5»; };  // NOLINT
03903 template<> struct ConwayPolynomial<647, 3> { using ZPZ = aerobus::zpz<647>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<6>, ZPZV<642»; };  // NOLINT
03904 template<> struct ConwayPolynomial<647, 4> { using ZPZ = aerobus::zpz<647>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<643>, ZPZV<5»; };  // NOLINT
03905 template<> struct ConwayPolynomial<647, 5> { using ZPZ = aerobus::zpz<647>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<11>, ZPZV<642»; };  // NOLINT
03906 template<> struct ConwayPolynomial<647, 6> { using ZPZ = aerobus::zpz<647>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<308>, ZPZV<385>, ZPZV<642>, ZPZV<5»; };  // NOLINT
03907 template<> struct ConwayPolynomial<647, 7> { using ZPZ = aerobus::zpz<647>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<642»; };  // NOLINT
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03908 template<> struct ConwayPolynomial<647, 8> { using ZPZ = aerobus::zpz<647>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<9>, ZPZV<603>, ZPZV<259>, ZPZV<271>, ZPZV<5»; };  //
      NOLINT
03909 template<> struct ConwayPolynomial<647, 9> { using ZPZ = aerobus::zpz<647>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<13>, ZPZV<561>, ZPZV<123>, ZPZV<642»;
      };  // NOLINT
03910 template<> struct ConwayPolynomial<653, 1> { using ZPZ = aerobus::zpz<653>; using type =
      POLYV<ZPZV<1>, ZPZV<651»; };  // NOLINT
03911 template<> struct ConwayPolynomial<653, 2> { using ZPZ = aerobus::zpz<653>; using type =
      POLYV<ZPZV<1>, ZPZV<649>, ZPZV<2»; };  // NOLINT
03912 template<> struct ConwayPolynomial<653, 3> { using ZPZ = aerobus::zpz<653>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<651»; };  // NOLINT
03913 template<> struct ConwayPolynomial<653, 4> { using ZPZ = aerobus::zpz<653>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<6>, ZPZV<596>, ZPZV<2»; };  // NOLINT
03914 template<> struct ConwayPolynomial<653, 5> { using ZPZ = aerobus::zpz<653>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<651»; };  // NOLINT
03915 template<> struct ConwayPolynomial<653, 6> { using ZPZ = aerobus::zpz<653>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<45>, ZPZV<220>, ZPZV<242>, ZPZV<2»; };  // NOLINT
03916 template<> struct ConwayPolynomial<653, 7> { using ZPZ = aerobus::zpz<653>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<15>, ZPZV<651»; };  // NOLINT
03917 template<> struct ConwayPolynomial<653, 8> { using ZPZ = aerobus::zpz<653>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<385>, ZPZV<18>, ZPZV<296>, ZPZV<2»; };  //
      NOLINT
03918 template<> struct ConwayPolynomial<653, 9> { using ZPZ = aerobus::zpz<653>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<365>, ZPZV<60>, ZPZV<651»;
      };  // NOLINT
03919 template<> struct ConwayPolynomial<659, 1> { using ZPZ = aerobus::zpz<659>; using type =
      POLYV<ZPZV<1>, ZPZV<657»; };  // NOLINT
03920 template<> struct ConwayPolynomial<659, 2> { using ZPZ = aerobus::zpz<659>; using type =
      POLYV<ZPZV<1>, ZPZV<655>, ZPZV<2»; };  // NOLINT
03921 template<> struct ConwayPolynomial<659, 3> { using ZPZ = aerobus::zpz<659>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<657»; };  // NOLINT
03922 template<> struct ConwayPolynomial<659, 4> { using ZPZ = aerobus::zpz<659>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<8>, ZPZV<351>, ZPZV<2»; };  // NOLINT
03923 template<> struct ConwayPolynomial<659, 5> { using ZPZ = aerobus::zpz<659>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<657»; };  // NOLINT
03924 template<> struct ConwayPolynomial<659, 6> { using ZPZ = aerobus::zpz<659>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<6>, ZPZV<371>, ZPZV<105>, ZPZV<223>, ZPZV<2»; };  // NOLINT
03925 template<> struct ConwayPolynomial<659, 7> { using ZPZ = aerobus::zpz<659>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<657»; };  // NOLINT
03926 template<> struct ConwayPolynomial<659, 8> { using ZPZ = aerobus::zpz<659>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<358>, ZPZV<246>, ZPZV<90>, ZPZV<2»; };  //
      NOLINT
03927 template<> struct ConwayPolynomial<659, 9> { using ZPZ = aerobus::zpz<659>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<592>, ZPZV<46>, ZPZV<657»;
      };  // NOLINT
03928 template<> struct ConwayPolynomial<661, 1> { using ZPZ = aerobus::zpz<661>; using type =
      POLYV<ZPZV<1>, ZPZV<659»; };  // NOLINT
03929 template<> struct ConwayPolynomial<661, 2> { using ZPZ = aerobus::zpz<661>; using type =
      POLYV<ZPZV<1>, ZPZV<660>, ZPZV<2»; };  // NOLINT
03930 template<> struct ConwayPolynomial<661, 3> { using ZPZ = aerobus::zpz<661>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<4>, ZPZV<659»; };  // NOLINT
03931 template<> struct ConwayPolynomial<661, 4> { using ZPZ = aerobus::zpz<661>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<7>, ZPZV<616>, ZPZV<2»; };  // NOLINT
03932 template<> struct ConwayPolynomial<661, 5> { using ZPZ = aerobus::zpz<661>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<19>, ZPZV<659»; };  // NOLINT
03933 template<> struct ConwayPolynomial<661, 6> { using ZPZ = aerobus::zpz<661>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<551>, ZPZV<456>, ZPZV<382>, ZPZV<2»; };  // NOLINT
03934 template<> struct ConwayPolynomial<661, 7> { using ZPZ = aerobus::zpz<661>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<659»; };  // NOLINT
03935 template<> struct ConwayPolynomial<661, 8> { using ZPZ = aerobus::zpz<661>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<612>, ZPZV<285>, ZPZV<72>, ZPZV<2»; };  //
      NOLINT
03936 template<> struct ConwayPolynomial<661, 9> { using ZPZ = aerobus::zpz<661>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<18>, ZPZV<389>, ZPZV<220>, ZPZV<659»;
      };  // NOLINT
03937 template<> struct ConwayPolynomial<673, 1> { using ZPZ = aerobus::zpz<673>; using type =
      POLYV<ZPZV<1>, ZPZV<668»; };  // NOLINT
03938 template<> struct ConwayPolynomial<673, 2> { using ZPZ = aerobus::zpz<673>; using type =
      POLYV<ZPZV<1>, ZPZV<672>, ZPZV<5»; };  // NOLINT
03939 template<> struct ConwayPolynomial<673, 3> { using ZPZ = aerobus::zpz<673>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<668»; };  // NOLINT
03940 template<> struct ConwayPolynomial<673, 4> { using ZPZ = aerobus::zpz<673>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<6>, ZPZV<416>, ZPZV<5»; };  // NOLINT
03941 template<> struct ConwayPolynomial<673, 5> { using ZPZ = aerobus::zpz<673>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<15>, ZPZV<668»; };  // NOLINT
03942 template<> struct ConwayPolynomial<673, 6> { using ZPZ = aerobus::zpz<673>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<524>, ZPZV<248>, ZPZV<35>, ZPZV<5»; };  // NOLINT
03943 template<> struct ConwayPolynomial<673, 7> { using ZPZ = aerobus::zpz<673>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<668»; };  // NOLINT
03944 template<> struct ConwayPolynomial<673, 8> { using ZPZ = aerobus::zpz<673>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<669>, ZPZV<587>, ZPZV<302>, ZPZV<5»; };  //
      NOLINT
03945 template<> struct ConwayPolynomial<673, 9> { using ZPZ = aerobus::zpz<673>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<11>, ZPZV<347>, ZPZV<553>, ZPZV<668»;
      };  // NOLINT
03946 template<> struct ConwayPolynomial<677, 1> { using ZPZ = aerobus::zpz<677>; using type =
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      POLYV<ZPZV<1>, ZPZV<675>>; };  // NOLINT
03947 template<> struct ConwayPolynomial<677, 2> { using ZPZ = aerobus::zpz<677>; using type =
      POLYV<ZPZV<1>, ZPZV<672>, ZPZV<2>>; };  // NOLINT
03948 template<> struct ConwayPolynomial<677, 3> { using ZPZ = aerobus::zpz<677>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<675>>; };  // NOLINT
03949 template<> struct ConwayPolynomial<677, 4> { using ZPZ = aerobus::zpz<677>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<631>, ZPZV<2>>; };  // NOLINT
03950 template<> struct ConwayPolynomial<677, 5> { using ZPZ = aerobus::zpz<677>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<675>>; };  // NOLINT
03951 template<> struct ConwayPolynomial<677, 6> { using ZPZ = aerobus::zpz<677>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<446>, ZPZV<632>, ZPZV<50>, ZPZV<2>>; };  // NOLINT
03952 template<> struct ConwayPolynomial<677, 7> { using ZPZ = aerobus::zpz<677>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<675>>; };  // NOLINT
03953 template<> struct ConwayPolynomial<677, 8> { using ZPZ = aerobus::zpz<677>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<363>, ZPZV<619>, ZPZV<152>, ZPZV<2>>; };  //
      NOLINT
03954 template<> struct ConwayPolynomial<677, 9> { using ZPZ = aerobus::zpz<677>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<504>, ZPZV<404>, ZPZV<675>>;
      };  // NOLINT
03955 template<> struct ConwayPolynomial<683, 1> { using ZPZ = aerobus::zpz<683>; using type =
      POLYV<ZPZV<1>, ZPZV<678>>; };  // NOLINT
03956 template<> struct ConwayPolynomial<683, 2> { using ZPZ = aerobus::zpz<683>; using type =
      POLYV<ZPZV<1>, ZPZV<682>, ZPZV<5>>; };  // NOLINT
03957 template<> struct ConwayPolynomial<683, 3> { using ZPZ = aerobus::zpz<683>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<5>, ZPZV<678>>; };  // NOLINT
03958 template<> struct ConwayPolynomial<683, 4> { using ZPZ = aerobus::zpz<683>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<5>, ZPZV<455>, ZPZV<5>>; };  // NOLINT
03959 template<> struct ConwayPolynomial<683, 5> { using ZPZ = aerobus::zpz<683>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<678>>; };  // NOLINT
03960 template<> struct ConwayPolynomial<683, 6> { using ZPZ = aerobus::zpz<683>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<644>, ZPZV<109>, ZPZV<434>, ZPZV<5>>; };  // NOLINT
03961 template<> struct ConwayPolynomial<683, 7> { using ZPZ = aerobus::zpz<683>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<30>, ZPZV<678>>; };  // NOLINT
03962 template<> struct ConwayPolynomial<683, 8> { using ZPZ = aerobus::zpz<683>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<383>, ZPZV<184>, ZPZV<65>, ZPZV<5>>; };  //
      NOLINT
03963 template<> struct ConwayPolynomial<683, 9> { using ZPZ = aerobus::zpz<683>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<85>, ZPZV<444>, ZPZV<678>>;
      };  // NOLINT
03964 template<> struct ConwayPolynomial<691, 1> { using ZPZ = aerobus::zpz<691>; using type =
      POLYV<ZPZV<1>, ZPZV<688>>; };  // NOLINT
03965 template<> struct ConwayPolynomial<691, 2> { using ZPZ = aerobus::zpz<691>; using type =
      POLYV<ZPZV<1>, ZPZV<686>, ZPZV<3>>; };  // NOLINT
03966 template<> struct ConwayPolynomial<691, 3> { using ZPZ = aerobus::zpz<691>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<14>, ZPZV<688>>; };  // NOLINT
03967 template<> struct ConwayPolynomial<691, 4> { using ZPZ = aerobus::zpz<691>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<632>, ZPZV<3>>; };  // NOLINT
03968 template<> struct ConwayPolynomial<691, 5> { using ZPZ = aerobus::zpz<691>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<688>>; };  // NOLINT
03969 template<> struct ConwayPolynomial<691, 6> { using ZPZ = aerobus::zpz<691>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<579>, ZPZV<408>, ZPZV<262>, ZPZV<3>>; };  // NOLINT
03970 template<> struct ConwayPolynomial<691, 7> { using ZPZ = aerobus::zpz<691>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<688>>; };  // NOLINT
03971 template<> struct ConwayPolynomial<691, 8> { using ZPZ = aerobus::zpz<691>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<356>, ZPZV<425>, ZPZV<321>, ZPZV<3>>; };  //
      NOLINT
03972 template<> struct ConwayPolynomial<691, 9> { using ZPZ = aerobus::zpz<691>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<556>, ZPZV<443>, ZPZV<688>>;
      };  // NOLINT
03973 template<> struct ConwayPolynomial<701, 1> { using ZPZ = aerobus::zpz<701>; using type =
      POLYV<ZPZV<1>, ZPZV<699>>; };  // NOLINT
03974 template<> struct ConwayPolynomial<701, 2> { using ZPZ = aerobus::zpz<701>; using type =
      POLYV<ZPZV<1>, ZPZV<697>, ZPZV<2>>; };  // NOLINT
03975 template<> struct ConwayPolynomial<701, 3> { using ZPZ = aerobus::zpz<701>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<699>>; };  // NOLINT
03976 template<> struct ConwayPolynomial<701, 4> { using ZPZ = aerobus::zpz<701>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<12>, ZPZV<379>, ZPZV<2>>; };  // NOLINT
03977 template<> struct ConwayPolynomial<701, 5> { using ZPZ = aerobus::zpz<701>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<699>>; };  // NOLINT
03978 template<> struct ConwayPolynomial<701, 6> { using ZPZ = aerobus::zpz<701>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<571>, ZPZV<327>, ZPZV<285>, ZPZV<2>>; };  // NOLINT
03979 template<> struct ConwayPolynomial<701, 7> { using ZPZ = aerobus::zpz<701>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<699>>; };  // NOLINT
03980 template<> struct ConwayPolynomial<701, 8> { using ZPZ = aerobus::zpz<701>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<619>, ZPZV<206>, ZPZV<593>, ZPZV<2>>; };  //
      NOLINT
03981 template<> struct ConwayPolynomial<701, 9> { using ZPZ = aerobus::zpz<701>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<459>, ZPZV<373>, ZPZV<699>>;
      };  // NOLINT
03982 template<> struct ConwayPolynomial<709, 1> { using ZPZ = aerobus::zpz<709>; using type =
      POLYV<ZPZV<1>, ZPZV<707>>; };  // NOLINT
03983 template<> struct ConwayPolynomial<709, 2> { using ZPZ = aerobus::zpz<709>; using type =
      POLYV<ZPZV<1>, ZPZV<705>, ZPZV<2>>; };  // NOLINT
03984 template<> struct ConwayPolynomial<709, 3> { using ZPZ = aerobus::zpz<709>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<707>>; };  // NOLINT
03985 template<> struct ConwayPolynomial<709, 4> { using ZPZ = aerobus::zpz<709>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<6>, ZPZV<384>, ZPZV<2>>; };  // NOLINT
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03986 template<> struct ConwayPolynomial<709, 5> { using ZPZ = aerobus::zpz<709>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<707»; };  // NOLINT
03987 template<> struct ConwayPolynomial<709, 6> { using ZPZ = aerobus::zpz<709>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<669>, ZPZV<514>, ZPZV<295>, ZPZV<2»; };  // NOLINT
03988 template<> struct ConwayPolynomial<709, 7> { using ZPZ = aerobus::zpz<709>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<707»; };  // NOLINT
03989 template<> struct ConwayPolynomial<709, 8> { using ZPZ = aerobus::zpz<709>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<689>, ZPZV<233>, ZPZV<79>, ZPZV<2»; };  //
      NOLINT
03990 template<> struct ConwayPolynomial<709, 9> { using ZPZ = aerobus::zpz<709>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<257>, ZPZV<171>, ZPZV<707»;
      };  // NOLINT
03991 template<> struct ConwayPolynomial<719, 1> { using ZPZ = aerobus::zpz<719>; using type =
      POLYV<ZPZV<1>, ZPZV<708»; };  // NOLINT
03992 template<> struct ConwayPolynomial<719, 2> { using ZPZ = aerobus::zpz<719>; using type =
      POLYV<ZPZV<1>, ZPZV<715>, ZPZV<11»; };  // NOLINT
03993 template<> struct ConwayPolynomial<719, 3> { using ZPZ = aerobus::zpz<719>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<708»; };  // NOLINT
03994 template<> struct ConwayPolynomial<719, 4> { using ZPZ = aerobus::zpz<719>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<5>, ZPZV<602>, ZPZV<11»; };  // NOLINT
03995 template<> struct ConwayPolynomial<719, 5> { using ZPZ = aerobus::zpz<719>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<708»; };  // NOLINT
03996 template<> struct ConwayPolynomial<719, 6> { using ZPZ = aerobus::zpz<719>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<533>, ZPZV<591>, ZPZV<182>, ZPZV<11»; };  // NOLINT
03997 template<> struct ConwayPolynomial<719, 7> { using ZPZ = aerobus::zpz<719>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<11>, ZPZV<708»; };  // NOLINT
03998 template<> struct ConwayPolynomial<719, 8> { using ZPZ = aerobus::zpz<719>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<714>, ZPZV<362>, ZPZV<244>, ZPZV<11»; };  //
      NOLINT
03999 template<> struct ConwayPolynomial<719, 9> { using ZPZ = aerobus::zpz<719>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<288>, ZPZV<560>, ZPZV<708»;
      };  // NOLINT
04000 template<> struct ConwayPolynomial<727, 1> { using ZPZ = aerobus::zpz<727>; using type =
      POLYV<ZPZV<1>, ZPZV<722»; };  // NOLINT
04001 template<> struct ConwayPolynomial<727, 2> { using ZPZ = aerobus::zpz<727>; using type =
      POLYV<ZPZV<1>, ZPZV<725>, ZPZV<5»; };  // NOLINT
04002 template<> struct ConwayPolynomial<727, 3> { using ZPZ = aerobus::zpz<727>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<7>, ZPZV<722»; };  // NOLINT
04003 template<> struct ConwayPolynomial<727, 4> { using ZPZ = aerobus::zpz<727>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<723>, ZPZV<5»; };  // NOLINT
04004 template<> struct ConwayPolynomial<727, 5> { using ZPZ = aerobus::zpz<727>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<722»; };  // NOLINT
04005 template<> struct ConwayPolynomial<727, 6> { using ZPZ = aerobus::zpz<727>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<86>, ZPZV<397>, ZPZV<672>, ZPZV<5»; };  // NOLINT
04006 template<> struct ConwayPolynomial<727, 7> { using ZPZ = aerobus::zpz<727>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<17>, ZPZV<722»; };  // NOLINT
04007 template<> struct ConwayPolynomial<727, 8> { using ZPZ = aerobus::zpz<727>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<639>, ZPZV<671>, ZPZV<368>, ZPZV<5»; };  //
      NOLINT
04008 template<> struct ConwayPolynomial<727, 9> { using ZPZ = aerobus::zpz<727>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<573>, ZPZV<502>, ZPZV<722»;
      };  // NOLINT
04009 template<> struct ConwayPolynomial<733, 1> { using ZPZ = aerobus::zpz<733>; using type =
      POLYV<ZPZV<1>, ZPZV<727»; };  // NOLINT
04010 template<> struct ConwayPolynomial<733, 2> { using ZPZ = aerobus::zpz<733>; using type =
      POLYV<ZPZV<1>, ZPZV<732>, ZPZV<6»; };  // NOLINT
04011 template<> struct ConwayPolynomial<733, 3> { using ZPZ = aerobus::zpz<733>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<4>, ZPZV<727»; };  // NOLINT
04012 template<> struct ConwayPolynomial<733, 4> { using ZPZ = aerobus::zpz<733>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<12>, ZPZV<539>, ZPZV<6»; };  // NOLINT
04013 template<> struct ConwayPolynomial<733, 5> { using ZPZ = aerobus::zpz<733>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<727»; };  // NOLINT
04014 template<> struct ConwayPolynomial<733, 6> { using ZPZ = aerobus::zpz<733>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<174>, ZPZV<549>, ZPZV<151>, ZPZV<6»; };  // NOLINT
04015 template<> struct ConwayPolynomial<733, 7> { using ZPZ = aerobus::zpz<733>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<727»; };  // NOLINT
04016 template<> struct ConwayPolynomial<733, 8> { using ZPZ = aerobus::zpz<733>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<532>, ZPZV<610>, ZPZV<142>, ZPZV<6»; };  //
      NOLINT
04017 template<> struct ConwayPolynomial<733, 9> { using ZPZ = aerobus::zpz<733>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<337>, ZPZV<6>, ZPZV<727»; };
      // NOLINT
04018 template<> struct ConwayPolynomial<739, 1> { using ZPZ = aerobus::zpz<739>; using type =
      POLYV<ZPZV<1>, ZPZV<736»; };  // NOLINT
04019 template<> struct ConwayPolynomial<739, 2> { using ZPZ = aerobus::zpz<739>; using type =
      POLYV<ZPZV<1>, ZPZV<734>, ZPZV<3»; };  // NOLINT
04020 template<> struct ConwayPolynomial<739, 3> { using ZPZ = aerobus::zpz<739>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<11>, ZPZV<736»; };  // NOLINT
04021 template<> struct ConwayPolynomial<739, 4> { using ZPZ = aerobus::zpz<739>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<678>, ZPZV<3»; };  // NOLINT
04022 template<> struct ConwayPolynomial<739, 5> { using ZPZ = aerobus::zpz<739>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<9>, ZPZV<736»; };  // NOLINT
04023 template<> struct ConwayPolynomial<739, 6> { using ZPZ = aerobus::zpz<739>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<422>, ZPZV<447>, ZPZV<625>, ZPZV<3»; };  // NOLINT
04024 template<> struct ConwayPolynomial<739, 7> { using ZPZ = aerobus::zpz<739>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<44>, ZPZV<736»; };  // NOLINT
04025 template<> struct ConwayPolynomial<739, 8> { using ZPZ = aerobus::zpz<739>; using type =
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      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<401>, ZPZV<169>, ZPZV<25>, ZPZV<3>>; };  //
      NOLINT
04026 template<> struct ConwayPolynomial<739, 9> { using ZPZ = aerobus::zpz<739>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<616>, ZPZV<81>, ZPZV<736>>;
      };  // NOLINT
04027 template<> struct ConwayPolynomial<743, 1> { using ZPZ = aerobus::zpz<743>; using type =
      POLYV<ZPZV<1>, ZPZV<738>>; };  // NOLINT
04028 template<> struct ConwayPolynomial<743, 2> { using ZPZ = aerobus::zpz<743>; using type =
      POLYV<ZPZV<1>, ZPZV<742>, ZPZV<5>>; };  // NOLINT
04029 template<> struct ConwayPolynomial<743, 3> { using ZPZ = aerobus::zpz<743>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<738>>; };  // NOLINT
04030 template<> struct ConwayPolynomial<743, 4> { using ZPZ = aerobus::zpz<743>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<5>, ZPZV<425>, ZPZV<5>>; };  // NOLINT
04031 template<> struct ConwayPolynomial<743, 5> { using ZPZ = aerobus::zpz<743>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<738>>; };  // NOLINT
04032 template<> struct ConwayPolynomial<743, 6> { using ZPZ = aerobus::zpz<743>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<236>, ZPZV<471>, ZPZV<88>, ZPZV<5>>; };  // NOLINT
04033 template<> struct ConwayPolynomial<743, 7> { using ZPZ = aerobus::zpz<743>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<738>>; };  // NOLINT
04034 template<> struct ConwayPolynomial<743, 8> { using ZPZ = aerobus::zpz<743>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<551>, ZPZV<279>, ZPZV<588>, ZPZV<5>>; };  //
      NOLINT
04035 template<> struct ConwayPolynomial<743, 9> { using ZPZ = aerobus::zpz<743>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<327>, ZPZV<676>, ZPZV<738>>;
      };  // NOLINT
04036 template<> struct ConwayPolynomial<751, 1> { using ZPZ = aerobus::zpz<751>; using type =
      POLYV<ZPZV<1>, ZPZV<748>>; };  // NOLINT
04037 template<> struct ConwayPolynomial<751, 2> { using ZPZ = aerobus::zpz<751>; using type =
      POLYV<ZPZV<1>, ZPZV<749>, ZPZV<3>>; };  // NOLINT
04038 template<> struct ConwayPolynomial<751, 3> { using ZPZ = aerobus::zpz<751>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<5>, ZPZV<748>>; };  // NOLINT
04039 template<> struct ConwayPolynomial<751, 4> { using ZPZ = aerobus::zpz<751>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<525>, ZPZV<3>>; };  // NOLINT
04040 template<> struct ConwayPolynomial<751, 5> { using ZPZ = aerobus::zpz<751>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<748>>; };  // NOLINT
04041 template<> struct ConwayPolynomial<751, 6> { using ZPZ = aerobus::zpz<751>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<298>, ZPZV<633>, ZPZV<539>, ZPZV<3>>; };  // NOLINT
04042 template<> struct ConwayPolynomial<751, 7> { using ZPZ = aerobus::zpz<751>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<748>>; };  // NOLINT
04043 template<> struct ConwayPolynomial<751, 8> { using ZPZ = aerobus::zpz<751>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<741>, ZPZV<243>, ZPZV<672>, ZPZV<3>>; };  //
      NOLINT
04044 template<> struct ConwayPolynomial<751, 9> { using ZPZ = aerobus::zpz<751>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<703>, ZPZV<489>, ZPZV<748>>;
      };  // NOLINT
04045 template<> struct ConwayPolynomial<757, 1> { using ZPZ = aerobus::zpz<757>; using type =
      POLYV<ZPZV<1>, ZPZV<755>>; };  // NOLINT
04046 template<> struct ConwayPolynomial<757, 2> { using ZPZ = aerobus::zpz<757>; using type =
      POLYV<ZPZV<1>, ZPZV<753>, ZPZV<2>>; };  // NOLINT
04047 template<> struct ConwayPolynomial<757, 3> { using ZPZ = aerobus::zpz<757>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<6>, ZPZV<755>>; };  // NOLINT
04048 template<> struct ConwayPolynomial<757, 4> { using ZPZ = aerobus::zpz<757>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<10>, ZPZV<537>, ZPZV<2>>; };  // NOLINT
04049 template<> struct ConwayPolynomial<757, 5> { using ZPZ = aerobus::zpz<757>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<13>, ZPZV<755>>; };  // NOLINT
04050 template<> struct ConwayPolynomial<757, 6> { using ZPZ = aerobus::zpz<757>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<753>, ZPZV<739>, ZPZV<745>, ZPZV<2>>; };  // NOLINT
04051 template<> struct ConwayPolynomial<757, 7> { using ZPZ = aerobus::zpz<757>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<755>>; };  // NOLINT
04052 template<> struct ConwayPolynomial<757, 8> { using ZPZ = aerobus::zpz<757>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<12>, ZPZV<494>, ZPZV<110>, ZPZV<509>, ZPZV<2>>; };  //
      NOLINT
04053 template<> struct ConwayPolynomial<757, 9> { using ZPZ = aerobus::zpz<757>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<688>, ZPZV<702>, ZPZV<755>>;
      };  // NOLINT
04054 template<> struct ConwayPolynomial<761, 1> { using ZPZ = aerobus::zpz<761>; using type =
      POLYV<ZPZV<1>, ZPZV<755>>; };  // NOLINT
04055 template<> struct ConwayPolynomial<761, 2> { using ZPZ = aerobus::zpz<761>; using type =
      POLYV<ZPZV<1>, ZPZV<758>, ZPZV<6>>; };  // NOLINT
04056 template<> struct ConwayPolynomial<761, 3> { using ZPZ = aerobus::zpz<761>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<12>, ZPZV<755>>; };  // NOLINT
04057 template<> struct ConwayPolynomial<761, 4> { using ZPZ = aerobus::zpz<761>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<658>, ZPZV<6>>; };  // NOLINT
04058 template<> struct ConwayPolynomial<761, 5> { using ZPZ = aerobus::zpz<761>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<755>>; };  // NOLINT
04059 template<> struct ConwayPolynomial<761, 6> { using ZPZ = aerobus::zpz<761>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<634>, ZPZV<597>, ZPZV<155>, ZPZV<6>>; };  // NOLINT
04060 template<> struct ConwayPolynomial<761, 7> { using ZPZ = aerobus::zpz<761>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<755>>; };  // NOLINT
04061 template<> struct ConwayPolynomial<761, 8> { using ZPZ = aerobus::zpz<761>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<11>, ZPZV<603>, ZPZV<144>, ZPZV<540>, ZPZV<6>>; };  //
      NOLINT
04062 template<> struct ConwayPolynomial<761, 9> { using ZPZ = aerobus::zpz<761>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<317>, ZPZV<571>, ZPZV<755>>;
      };  // NOLINT
04063 template<> struct ConwayPolynomial<769, 1> { using ZPZ = aerobus::zpz<769>; using type =
      POLYV<ZPZV<1>, ZPZV<758>>; };  // NOLINT
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04064 template<> struct ConwayPolynomial<769, 2> { using ZPZ = aerobus::zpz<769>; using type =
      POLYV<ZPZV<1>, ZPZV<765>, ZPZV<11»; };  // NOLINT
04065 template<> struct ConwayPolynomial<769, 3> { using ZPZ = aerobus::zpz<769>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<758»; };  // NOLINT
04066 template<> struct ConwayPolynomial<769, 4> { using ZPZ = aerobus::zpz<769>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<32>, ZPZV<741>, ZPZV<11»; };  // NOLINT
04067 template<> struct ConwayPolynomial<769, 5> { using ZPZ = aerobus::zpz<769>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<758»; };  // NOLINT
04068 template<> struct ConwayPolynomial<769, 6> { using ZPZ = aerobus::zpz<769>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<43>, ZPZV<326>, ZPZV<650>, ZPZV<11»; };  // NOLINT
04069 template<> struct ConwayPolynomial<769, 7> { using ZPZ = aerobus::zpz<769>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<758»; };  // NOLINT
04070 template<> struct ConwayPolynomial<769, 8> { using ZPZ = aerobus::zpz<769>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<560>, ZPZV<574>, ZPZV<632>, ZPZV<11»; };  //
      NOLINT
04071 template<> struct ConwayPolynomial<769, 9> { using ZPZ = aerobus::zpz<769>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<623>, ZPZV<751>, ZPZV<758»;
      };  // NOLINT
04072 template<> struct ConwayPolynomial<773, 1> { using ZPZ = aerobus::zpz<773>; using type =
      POLYV<ZPZV<1>, ZPZV<771»; };  // NOLINT
04073 template<> struct ConwayPolynomial<773, 2> { using ZPZ = aerobus::zpz<773>; using type =
      POLYV<ZPZV<1>, ZPZV<772>, ZPZV<2»; };  // NOLINT
04074 template<> struct ConwayPolynomial<773, 3> { using ZPZ = aerobus::zpz<773>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<771»; };  // NOLINT
04075 template<> struct ConwayPolynomial<773, 4> { using ZPZ = aerobus::zpz<773>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<4>, ZPZV<444>, ZPZV<2»; };  // NOLINT
04076 template<> struct ConwayPolynomial<773, 5> { using ZPZ = aerobus::zpz<773>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<771»; };  // NOLINT
04077 template<> struct ConwayPolynomial<773, 6> { using ZPZ = aerobus::zpz<773>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<91>, ZPZV<3>, ZPZV<581>, ZPZV<2»; };  // NOLINT
04078 template<> struct ConwayPolynomial<773, 7> { using ZPZ = aerobus::zpz<773>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<9>, ZPZV<771»; };  // NOLINT
04079 template<> struct ConwayPolynomial<773, 8> { using ZPZ = aerobus::zpz<773>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<484>, ZPZV<94>, ZPZV<693>, ZPZV<2»; };  //
      NOLINT
04080 template<> struct ConwayPolynomial<773, 9> { using ZPZ = aerobus::zpz<773>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<216>, ZPZV<574>, ZPZV<771»;
      };  // NOLINT
04081 template<> struct ConwayPolynomial<787, 1> { using ZPZ = aerobus::zpz<787>; using type =
      POLYV<ZPZV<1>, ZPZV<785»; };  // NOLINT
04082 template<> struct ConwayPolynomial<787, 2> { using ZPZ = aerobus::zpz<787>; using type =
      POLYV<ZPZV<1>, ZPZV<786>, ZPZV<2»; };  // NOLINT
04083 template<> struct ConwayPolynomial<787, 3> { using ZPZ = aerobus::zpz<787>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<785»; };  // NOLINT
04084 template<> struct ConwayPolynomial<787, 4> { using ZPZ = aerobus::zpz<787>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<11>, ZPZV<605>, ZPZV<2»; };  // NOLINT
04085 template<> struct ConwayPolynomial<787, 5> { using ZPZ = aerobus::zpz<787>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<9>, ZPZV<785»; };  // NOLINT
04086 template<> struct ConwayPolynomial<787, 6> { using ZPZ = aerobus::zpz<787>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<98>, ZPZV<512>, ZPZV<606>, ZPZV<2»; };  // NOLINT
04087 template<> struct ConwayPolynomial<787, 7> { using ZPZ = aerobus::zpz<787>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<785»; };  // NOLINT
04088 template<> struct ConwayPolynomial<787, 8> { using ZPZ = aerobus::zpz<787>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<612>, ZPZV<26>, ZPZV<715>, ZPZV<2»; };  //
      NOLINT
04089 template<> struct ConwayPolynomial<787, 9> { using ZPZ = aerobus::zpz<787>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<480>, ZPZV<573>, ZPZV<785»;
      };  // NOLINT
04090 template<> struct ConwayPolynomial<797, 1> { using ZPZ = aerobus::zpz<797>; using type =
      POLYV<ZPZV<1>, ZPZV<795»; };  // NOLINT
04091 template<> struct ConwayPolynomial<797, 2> { using ZPZ = aerobus::zpz<797>; using type =
      POLYV<ZPZV<1>, ZPZV<793>, ZPZV<2»; };  // NOLINT
04092 template<> struct ConwayPolynomial<797, 3> { using ZPZ = aerobus::zpz<797>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<795»; };  // NOLINT
04093 template<> struct ConwayPolynomial<797, 4> { using ZPZ = aerobus::zpz<797>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<717>, ZPZV<2»; };  // NOLINT
04094 template<> struct ConwayPolynomial<797, 5> { using ZPZ = aerobus::zpz<797>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<795»; };  // NOLINT
04095 template<> struct ConwayPolynomial<797, 6> { using ZPZ = aerobus::zpz<797>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<657>, ZPZV<396>, ZPZV<71>, ZPZV<2»; };  // NOLINT
04096 template<> struct ConwayPolynomial<797, 7> { using ZPZ = aerobus::zpz<797>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<11>, ZPZV<795»; };  // NOLINT
04097 template<> struct ConwayPolynomial<797, 8> { using ZPZ = aerobus::zpz<797>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<596>, ZPZV<747>, ZPZV<389>, ZPZV<2»; };  //
      NOLINT
04098 template<> struct ConwayPolynomial<797, 9> { using ZPZ = aerobus::zpz<797>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<240>, ZPZV<599>, ZPZV<795»;
      };  // NOLINT
04099 template<> struct ConwayPolynomial<809, 1> { using ZPZ = aerobus::zpz<809>; using type =
      POLYV<ZPZV<1>, ZPZV<806»; };  // NOLINT
04100 template<> struct ConwayPolynomial<809, 2> { using ZPZ = aerobus::zpz<809>; using type =
      POLYV<ZPZV<1>, ZPZV<799>, ZPZV<3»; };  // NOLINT
04101 template<> struct ConwayPolynomial<809, 3> { using ZPZ = aerobus::zpz<809>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<806»; };  // NOLINT
04102 template<> struct ConwayPolynomial<809, 4> { using ZPZ = aerobus::zpz<809>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<4>, ZPZV<644>, ZPZV<3»; };  // NOLINT
04103 template<> struct ConwayPolynomial<809, 5> { using ZPZ = aerobus::zpz<809>; using type =
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      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<806»; };  // NOLINT
04104 template<> struct ConwayPolynomial<809, 6> { using ZPZ = aerobus::zpz<809>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<562>, ZPZV<75>, ZPZV<43>, ZPZV<3»; };  // NOLINT
04105 template<> struct ConwayPolynomial<809, 7> { using ZPZ = aerobus::zpz<809>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<806»; };  // NOLINT
04106 template<> struct ConwayPolynomial<809, 8> { using ZPZ = aerobus::zpz<809>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<593>, ZPZV<745>, ZPZV<673>, ZPZV<3»; };  //
      NOLINT
04107 template<> struct ConwayPolynomial<809, 9> { using ZPZ = aerobus::zpz<809>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<341>, ZPZV<727>, ZPZV<806»;
      };  // NOLINT
04108 template<> struct ConwayPolynomial<811, 1> { using ZPZ = aerobus::zpz<811>; using type =
      POLYV<ZPZV<1>, ZPZV<808»; };  // NOLINT
04109 template<> struct ConwayPolynomial<811, 2> { using ZPZ = aerobus::zpz<811>; using type =
      POLYV<ZPZV<1>, ZPZV<806>, ZPZV<3»; };  // NOLINT
04110 template<> struct ConwayPolynomial<811, 3> { using ZPZ = aerobus::zpz<811>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<808»; };  // NOLINT
04111 template<> struct ConwayPolynomial<811, 4> { using ZPZ = aerobus::zpz<811>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<453>, ZPZV<3»; };  // NOLINT
04112 template<> struct ConwayPolynomial<811, 5> { using ZPZ = aerobus::zpz<811>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<808»; };  // NOLINT
04113 template<> struct ConwayPolynomial<811, 6> { using ZPZ = aerobus::zpz<811>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<780>, ZPZV<755>, ZPZV<307>, ZPZV<3»; };  // NOLINT
04114 template<> struct ConwayPolynomial<811, 7> { using ZPZ = aerobus::zpz<811>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<808»; };  // NOLINT
04115 template<> struct ConwayPolynomial<811, 8> { using ZPZ = aerobus::zpz<811>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<663>, ZPZV<806>, ZPZV<525>, ZPZV<3»; };  //
      NOLINT
04116 template<> struct ConwayPolynomial<811, 9> { using ZPZ = aerobus::zpz<811>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<382>, ZPZV<200>, ZPZV<808»;
      };  // NOLINT
04117 template<> struct ConwayPolynomial<821, 1> { using ZPZ = aerobus::zpz<821>; using type =
      POLYV<ZPZV<1>, ZPZV<819»; };  // NOLINT
04118 template<> struct ConwayPolynomial<821, 2> { using ZPZ = aerobus::zpz<821>; using type =
      POLYV<ZPZV<1>, ZPZV<816>, ZPZV<2»; };  // NOLINT
04119 template<> struct ConwayPolynomial<821, 3> { using ZPZ = aerobus::zpz<821>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<819»; };  // NOLINT
04120 template<> struct ConwayPolynomial<821, 4> { using ZPZ = aerobus::zpz<821>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<15>, ZPZV<662>, ZPZV<2»; };  // NOLINT
04121 template<> struct ConwayPolynomial<821, 5> { using ZPZ = aerobus::zpz<821>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<9>, ZPZV<819»; };  // NOLINT
04122 template<> struct ConwayPolynomial<821, 6> { using ZPZ = aerobus::zpz<821>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<160>, ZPZV<130>, ZPZV<803>, ZPZV<2»; };  // NOLINT
04123 template<> struct ConwayPolynomial<821, 7> { using ZPZ = aerobus::zpz<821>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<819»; };  // NOLINT
04124 template<> struct ConwayPolynomial<821, 8> { using ZPZ = aerobus::zpz<821>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<626>, ZPZV<556>, ZPZV<589>, ZPZV<2»; };  //
      NOLINT
04125 template<> struct ConwayPolynomial<821, 9> { using ZPZ = aerobus::zpz<821>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<650>, ZPZV<557>, ZPZV<819»;
      };  // NOLINT
04126 template<> struct ConwayPolynomial<823, 1> { using ZPZ = aerobus::zpz<823>; using type =
      POLYV<ZPZV<1>, ZPZV<820»; };  // NOLINT
04127 template<> struct ConwayPolynomial<823, 2> { using ZPZ = aerobus::zpz<823>; using type =
      POLYV<ZPZV<1>, ZPZV<821>, ZPZV<3»; };  // NOLINT
04128 template<> struct ConwayPolynomial<823, 3> { using ZPZ = aerobus::zpz<823>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<820»; };  // NOLINT
04129 template<> struct ConwayPolynomial<823, 4> { using ZPZ = aerobus::zpz<823>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<4>, ZPZV<819>, ZPZV<3»; };  // NOLINT
04130 template<> struct ConwayPolynomial<823, 5> { using ZPZ = aerobus::zpz<823>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<820»; };  // NOLINT
04131 template<> struct ConwayPolynomial<823, 6> { using ZPZ = aerobus::zpz<823>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<822>, ZPZV<616>, ZPZV<744>, ZPZV<3»; };  // NOLINT
04132 template<> struct ConwayPolynomial<823, 7> { using ZPZ = aerobus::zpz<823>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<820»; };  // NOLINT
04133 template<> struct ConwayPolynomial<823, 8> { using ZPZ = aerobus::zpz<823>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<451>, ZPZV<437>, ZPZV<31>, ZPZV<3»; };  //
      NOLINT
04134 template<> struct ConwayPolynomial<823, 9> { using ZPZ = aerobus::zpz<823>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<740>, ZPZV<609>, ZPZV<820»;
      };  // NOLINT
04135 template<> struct ConwayPolynomial<827, 1> { using ZPZ = aerobus::zpz<827>; using type =
      POLYV<ZPZV<1>, ZPZV<825»; };  // NOLINT
04136 template<> struct ConwayPolynomial<827, 2> { using ZPZ = aerobus::zpz<827>; using type =
      POLYV<ZPZV<1>, ZPZV<821>, ZPZV<2»; };  // NOLINT
04137 template<> struct ConwayPolynomial<827, 3> { using ZPZ = aerobus::zpz<827>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<5>, ZPZV<825»; };  // NOLINT
04138 template<> struct ConwayPolynomial<827, 4> { using ZPZ = aerobus::zpz<827>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<18>, ZPZV<605>, ZPZV<2»; };  // NOLINT
04139 template<> struct ConwayPolynomial<827, 5> { using ZPZ = aerobus::zpz<827>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<825»; };  // NOLINT
04140 template<> struct ConwayPolynomial<827, 6> { using ZPZ = aerobus::zpz<827>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<9>, ZPZV<685>, ZPZV<601>, ZPZV<691>, ZPZV<2»; };  // NOLINT
04141 template<> struct ConwayPolynomial<827, 7> { using ZPZ = aerobus::zpz<827>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<825»; };  // NOLINT
04142 template<> struct ConwayPolynomial<827, 8> { using ZPZ = aerobus::zpz<827>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<812>, ZPZV<79>, ZPZV<32>, ZPZV<2»; };  //
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      NOLINT
04143 template<> struct ConwayPolynomial<827, 9> { using ZPZ = aerobus::zpz<827>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<177>, ZPZV<372>, ZPZV<825»;
      };  // NOLINT
04144 template<> struct ConwayPolynomial<829, 1> { using ZPZ = aerobus::zpz<829>; using type =
      POLYV<ZPZV<1>, ZPZV<827»; };  // NOLINT
04145 template<> struct ConwayPolynomial<829, 2> { using ZPZ = aerobus::zpz<829>; using type =
      POLYV<ZPZV<1>, ZPZV<828>, ZPZV<2»; };  // NOLINT
04146 template<> struct ConwayPolynomial<829, 3> { using ZPZ = aerobus::zpz<829>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<5>, ZPZV<827»; };  // NOLINT
04147 template<> struct ConwayPolynomial<829, 4> { using ZPZ = aerobus::zpz<829>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<9>, ZPZV<604>, ZPZV<2»; };  // NOLINT
04148 template<> struct ConwayPolynomial<829, 5> { using ZPZ = aerobus::zpz<829>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<827»; };  // NOLINT
04149 template<> struct ConwayPolynomial<829, 6> { using ZPZ = aerobus::zpz<829>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<341>, ZPZV<476>, ZPZV<817>, ZPZV<2»; };  // NOLINT
04150 template<> struct ConwayPolynomial<829, 7> { using ZPZ = aerobus::zpz<829>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<827»; };  // NOLINT
04151 template<> struct ConwayPolynomial<829, 8> { using ZPZ = aerobus::zpz<829>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<468>, ZPZV<241>, ZPZV<138>, ZPZV<2»; };  //
      NOLINT
04152 template<> struct ConwayPolynomial<829, 9> { using ZPZ = aerobus::zpz<829>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<621>, ZPZV<552>, ZPZV<827»;
      };  // NOLINT
04153 template<> struct ConwayPolynomial<839, 1> { using ZPZ = aerobus::zpz<839>; using type =
      POLYV<ZPZV<1>, ZPZV<828»; };  // NOLINT
04154 template<> struct ConwayPolynomial<839, 2> { using ZPZ = aerobus::zpz<839>; using type =
      POLYV<ZPZV<1>, ZPZV<838>, ZPZV<11»; };  // NOLINT
04155 template<> struct ConwayPolynomial<839, 3> { using ZPZ = aerobus::zpz<839>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<4>, ZPZV<828»; };  // NOLINT
04156 template<> struct ConwayPolynomial<839, 4> { using ZPZ = aerobus::zpz<839>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<609>, ZPZV<11»; };  // NOLINT
04157 template<> struct ConwayPolynomial<839, 5> { using ZPZ = aerobus::zpz<839>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<828»; };  // NOLINT
04158 template<> struct ConwayPolynomial<839, 6> { using ZPZ = aerobus::zpz<839>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<370>, ZPZV<537>, ZPZV<23>, ZPZV<11»; };  // NOLINT
04159 template<> struct ConwayPolynomial<839, 7> { using ZPZ = aerobus::zpz<839>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<828»; };  // NOLINT
04160 template<> struct ConwayPolynomial<839, 8> { using ZPZ = aerobus::zpz<839>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<16>, ZPZV<553>, ZPZV<779>, ZPZV<329>, ZPZV<11»; };  //
      NOLINT
04161 template<> struct ConwayPolynomial<839, 9> { using ZPZ = aerobus::zpz<839>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<349>, ZPZV<206>, ZPZV<828»;
      };  // NOLINT
04162 template<> struct ConwayPolynomial<853, 1> { using ZPZ = aerobus::zpz<853>; using type =
      POLYV<ZPZV<1>, ZPZV<851»; };  // NOLINT
04163 template<> struct ConwayPolynomial<853, 2> { using ZPZ = aerobus::zpz<853>; using type =
      POLYV<ZPZV<1>, ZPZV<852>, ZPZV<2»; };  // NOLINT
04164 template<> struct ConwayPolynomial<853, 3> { using ZPZ = aerobus::zpz<853>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<4>, ZPZV<851»; };  // NOLINT
04165 template<> struct ConwayPolynomial<853, 4> { using ZPZ = aerobus::zpz<853>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<623>, ZPZV<2»; };  // NOLINT
04166 template<> struct ConwayPolynomial<853, 5> { using ZPZ = aerobus::zpz<853>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<851»; };  // NOLINT
04167 template<> struct ConwayPolynomial<853, 6> { using ZPZ = aerobus::zpz<853>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<276>, ZPZV<194>, ZPZV<512>, ZPZV<2»; };  // NOLINT
04168 template<> struct ConwayPolynomial<853, 7> { using ZPZ = aerobus::zpz<853>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<851»; };  // NOLINT
04169 template<> struct ConwayPolynomial<853, 8> { using ZPZ = aerobus::zpz<853>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<544>, ZPZV<846>, ZPZV<118>, ZPZV<2»; };  //
      NOLINT
04170 template<> struct ConwayPolynomial<853, 9> { using ZPZ = aerobus::zpz<853>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<11>, ZPZV<677>, ZPZV<821>, ZPZV<851»;
      };  // NOLINT
04171 template<> struct ConwayPolynomial<857, 1> { using ZPZ = aerobus::zpz<857>; using type =
      POLYV<ZPZV<1>, ZPZV<854»; };  // NOLINT
04172 template<> struct ConwayPolynomial<857, 2> { using ZPZ = aerobus::zpz<857>; using type =
      POLYV<ZPZV<1>, ZPZV<850>, ZPZV<3»; };  // NOLINT
04173 template<> struct ConwayPolynomial<857, 3> { using ZPZ = aerobus::zpz<857>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<4>, ZPZV<854»; };  // NOLINT
04174 template<> struct ConwayPolynomial<857, 4> { using ZPZ = aerobus::zpz<857>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<528>, ZPZV<3»; };  // NOLINT
04175 template<> struct ConwayPolynomial<857, 5> { using ZPZ = aerobus::zpz<857>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<854»; };  // NOLINT
04176 template<> struct ConwayPolynomial<857, 6> { using ZPZ = aerobus::zpz<857>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<32>, ZPZV<824>, ZPZV<65>, ZPZV<3»; };  // NOLINT
04177 template<> struct ConwayPolynomial<857, 7> { using ZPZ = aerobus::zpz<857>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<854»; };  // NOLINT
04178 template<> struct ConwayPolynomial<857, 8> { using ZPZ = aerobus::zpz<857>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<611>, ZPZV<552>, ZPZV<494>, ZPZV<3»; };  //
      NOLINT
04179 template<> struct ConwayPolynomial<857, 9> { using ZPZ = aerobus::zpz<857>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<308>, ZPZV<719>, ZPZV<854»;
      };  // NOLINT
04180 template<> struct ConwayPolynomial<859, 1> { using ZPZ = aerobus::zpz<859>; using type =
      POLYV<ZPZV<1>, ZPZV<857»; };  // NOLINT
04181 template<> struct ConwayPolynomial<859, 2> { using ZPZ = aerobus::zpz<859>; using type =
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      POLYV<ZPZV<1>, ZPZV<858>, ZPZV<2»; };  // NOLINT
04182 template<> struct ConwayPolynomial<859, 3> { using ZPZ = aerobus::zpz<859>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<6>, ZPZV<857»; };  // NOLINT
04183 template<> struct ConwayPolynomial<859, 4> { using ZPZ = aerobus::zpz<859>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<530>, ZPZV<2»; };  // NOLINT
04184 template<> struct ConwayPolynomial<859, 5> { using ZPZ = aerobus::zpz<859>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<12>, ZPZV<857»; };  // NOLINT
04185 template<> struct ConwayPolynomial<859, 6> { using ZPZ = aerobus::zpz<859>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<419>, ZPZV<646>, ZPZV<566>, ZPZV<2»; };  // NOLINT
04186 template<> struct ConwayPolynomial<859, 7> { using ZPZ = aerobus::zpz<859>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<857»; };  // NOLINT
04187 template<> struct ConwayPolynomial<859, 8> { using ZPZ = aerobus::zpz<859>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<522>, ZPZV<446>, ZPZV<672>, ZPZV<2»; };  //
      NOLINT
04188 template<> struct ConwayPolynomial<859, 9> { using ZPZ = aerobus::zpz<859>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<648>, ZPZV<845>, ZPZV<857»;
      };  // NOLINT
04189 template<> struct ConwayPolynomial<863, 1> { using ZPZ = aerobus::zpz<863>; using type =
      POLYV<ZPZV<1>, ZPZV<858»; };  // NOLINT
04190 template<> struct ConwayPolynomial<863, 2> { using ZPZ = aerobus::zpz<863>; using type =
      POLYV<ZPZV<1>, ZPZV<862>, ZPZV<5»; };  // NOLINT
04191 template<> struct ConwayPolynomial<863, 3> { using ZPZ = aerobus::zpz<863>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<5>, ZPZV<858»; };  // NOLINT
04192 template<> struct ConwayPolynomial<863, 4> { using ZPZ = aerobus::zpz<863>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<770>, ZPZV<5»; };  // NOLINT
04193 template<> struct ConwayPolynomial<863, 5> { using ZPZ = aerobus::zpz<863>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<858»; };  // NOLINT
04194 template<> struct ConwayPolynomial<863, 6> { using ZPZ = aerobus::zpz<863>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<330>, ZPZV<62>, ZPZV<300>, ZPZV<5»; };  // NOLINT
04195 template<> struct ConwayPolynomial<863, 7> { using ZPZ = aerobus::zpz<863>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<858»; };  // NOLINT
04196 template<> struct ConwayPolynomial<863, 8> { using ZPZ = aerobus::zpz<863>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<9>, ZPZV<765>, ZPZV<576>, ZPZV<849>, ZPZV<5»; };  //
      NOLINT
04197 template<> struct ConwayPolynomial<863, 9> { using ZPZ = aerobus::zpz<863>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<381>, ZPZV<1>, ZPZV<858»; };
      // NOLINT
04198 template<> struct ConwayPolynomial<877, 1> { using ZPZ = aerobus::zpz<877>; using type =
      POLYV<ZPZV<1>, ZPZV<875»; };  // NOLINT
04199 template<> struct ConwayPolynomial<877, 2> { using ZPZ = aerobus::zpz<877>; using type =
      POLYV<ZPZV<1>, ZPZV<873>, ZPZV<2»; };  // NOLINT
04200 template<> struct ConwayPolynomial<877, 3> { using ZPZ = aerobus::zpz<877>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<5>, ZPZV<875»; };  // NOLINT
04201 template<> struct ConwayPolynomial<877, 4> { using ZPZ = aerobus::zpz<877>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<6>, ZPZV<604>, ZPZV<2»; };  // NOLINT
04202 template<> struct ConwayPolynomial<877, 5> { using ZPZ = aerobus::zpz<877>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<875»; };  // NOLINT
04203 template<> struct ConwayPolynomial<877, 6> { using ZPZ = aerobus::zpz<877>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<629>, ZPZV<400>, ZPZV<855>, ZPZV<2»; };  // NOLINT
04204 template<> struct ConwayPolynomial<877, 7> { using ZPZ = aerobus::zpz<877>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<875»; };  // NOLINT
04205 template<> struct ConwayPolynomial<877, 8> { using ZPZ = aerobus::zpz<877>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<767>, ZPZV<319>, ZPZV<347>, ZPZV<2»; };  //
      NOLINT
04206 template<> struct ConwayPolynomial<877, 9> { using ZPZ = aerobus::zpz<877>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<9>, ZPZV<770>, ZPZV<278>, ZPZV<875»;
      };  // NOLINT
04207 template<> struct ConwayPolynomial<881, 1> { using ZPZ = aerobus::zpz<881>; using type =
      POLYV<ZPZV<1>, ZPZV<878»; };  // NOLINT
04208 template<> struct ConwayPolynomial<881, 2> { using ZPZ = aerobus::zpz<881>; using type =
      POLYV<ZPZV<1>, ZPZV<869>, ZPZV<3»; };  // NOLINT
04209 template<> struct ConwayPolynomial<881, 3> { using ZPZ = aerobus::zpz<881>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<878»; };  // NOLINT
04210 template<> struct ConwayPolynomial<881, 4> { using ZPZ = aerobus::zpz<881>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<447>, ZPZV<3»; };  // NOLINT
04211 template<> struct ConwayPolynomial<881, 5> { using ZPZ = aerobus::zpz<881>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<878»; };  // NOLINT
04212 template<> struct ConwayPolynomial<881, 6> { using ZPZ = aerobus::zpz<881>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<218>, ZPZV<419>, ZPZV<231>, ZPZV<3»; };  // NOLINT
04213 template<> struct ConwayPolynomial<881, 7> { using ZPZ = aerobus::zpz<881>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<878»; };  // NOLINT
04214 template<> struct ConwayPolynomial<881, 8> { using ZPZ = aerobus::zpz<881>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<21>, ZPZV<635>, ZPZV<490>, ZPZV<561>, ZPZV<3»; };  //
      NOLINT
04215 template<> struct ConwayPolynomial<881, 9> { using ZPZ = aerobus::zpz<881>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<587>, ZPZV<510>, ZPZV<878»;
      };  // NOLINT
04216 template<> struct ConwayPolynomial<883, 1> { using ZPZ = aerobus::zpz<883>; using type =
      POLYV<ZPZV<1>, ZPZV<881»; };  // NOLINT
04217 template<> struct ConwayPolynomial<883, 2> { using ZPZ = aerobus::zpz<883>; using type =
      POLYV<ZPZV<1>, ZPZV<879>, ZPZV<2»; };  // NOLINT
04218 template<> struct ConwayPolynomial<883, 3> { using ZPZ = aerobus::zpz<883>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<6>, ZPZV<881»; };  // NOLINT
04219 template<> struct ConwayPolynomial<883, 4> { using ZPZ = aerobus::zpz<883>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<8>, ZPZV<715>, ZPZV<2»; };  // NOLINT
04220 template<> struct ConwayPolynomial<883, 5> { using ZPZ = aerobus::zpz<883>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<14>, ZPZV<881»; };  // NOLINT
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04221 template<> struct ConwayPolynomial<883, 6> { using ZPZ = aerobus::zpz<883>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<879>, ZPZV<865>, ZPZV<871>, ZPZV<2>>; };  // NOLINT
04222 template<> struct ConwayPolynomial<883, 7> { using ZPZ = aerobus::zpz<883>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<881>>; };  // NOLINT
04223 template<> struct ConwayPolynomial<883, 8> { using ZPZ = aerobus::zpz<883>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<740>, ZPZV<762>, ZPZV<768>, ZPZV<2>>; };  //
      NOLINT
04224 template<> struct ConwayPolynomial<883, 9> { using ZPZ = aerobus::zpz<883>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<360>, ZPZV<557>, ZPZV<881>>;
      };  // NOLINT
04225 template<> struct ConwayPolynomial<887, 1> { using ZPZ = aerobus::zpz<887>; using type =
      POLYV<ZPZV<1>, ZPZV<882>>; };  // NOLINT
04226 template<> struct ConwayPolynomial<887, 2> { using ZPZ = aerobus::zpz<887>; using type =
      POLYV<ZPZV<1>, ZPZV<885>, ZPZV<5>>; };  // NOLINT
04227 template<> struct ConwayPolynomial<887, 3> { using ZPZ = aerobus::zpz<887>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<882>>; };  // NOLINT
04228 template<> struct ConwayPolynomial<887, 4> { using ZPZ = aerobus::zpz<887>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<883>, ZPZV<5>>; };  // NOLINT
04229 template<> struct ConwayPolynomial<887, 5> { using ZPZ = aerobus::zpz<887>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<882>>; };  // NOLINT
04230 template<> struct ConwayPolynomial<887, 6> { using ZPZ = aerobus::zpz<887>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<775>, ZPZV<341>, ZPZV<28>, ZPZV<5>>; };  // NOLINT
04231 template<> struct ConwayPolynomial<887, 7> { using ZPZ = aerobus::zpz<887>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<882>>; };  // NOLINT
04232 template<> struct ConwayPolynomial<887, 8> { using ZPZ = aerobus::zpz<887>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<781>, ZPZV<381>, ZPZV<706>, ZPZV<5>>; };  //
      NOLINT
04233 template<> struct ConwayPolynomial<887, 9> { using ZPZ = aerobus::zpz<887>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<727>, ZPZV<345>, ZPZV<882>>;
      };  // NOLINT
04234 template<> struct ConwayPolynomial<907, 1> { using ZPZ = aerobus::zpz<907>; using type =
      POLYV<ZPZV<1>, ZPZV<905>>; };  // NOLINT
04235 template<> struct ConwayPolynomial<907, 2> { using ZPZ = aerobus::zpz<907>; using type =
      POLYV<ZPZV<1>, ZPZV<903>, ZPZV<2>>; };  // NOLINT
04236 template<> struct ConwayPolynomial<907, 3> { using ZPZ = aerobus::zpz<907>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<4>, ZPZV<905>>; };  // NOLINT
04237 template<> struct ConwayPolynomial<907, 4> { using ZPZ = aerobus::zpz<907>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<14>, ZPZV<478>, ZPZV<2>>; };  // NOLINT
04238 template<> struct ConwayPolynomial<907, 5> { using ZPZ = aerobus::zpz<907>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<905>>; };  // NOLINT
04239 template<> struct ConwayPolynomial<907, 6> { using ZPZ = aerobus::zpz<907>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<626>, ZPZV<752>, ZPZV<266>, ZPZV<2>>; };  // NOLINT
04240 template<> struct ConwayPolynomial<907, 7> { using ZPZ = aerobus::zpz<907>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<905>>; };  // NOLINT
04241 template<> struct ConwayPolynomial<907, 8> { using ZPZ = aerobus::zpz<907>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<584>, ZPZV<518>, ZPZV<811>, ZPZV<2>>; };  //
      NOLINT
04242 template<> struct ConwayPolynomial<907, 9> { using ZPZ = aerobus::zpz<907>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<783>, ZPZV<57>, ZPZV<905>>;
      };  // NOLINT
04243 template<> struct ConwayPolynomial<911, 1> { using ZPZ = aerobus::zpz<911>; using type =
      POLYV<ZPZV<1>, ZPZV<894>>; };  // NOLINT
04244 template<> struct ConwayPolynomial<911, 2> { using ZPZ = aerobus::zpz<911>; using type =
      POLYV<ZPZV<1>, ZPZV<909>, ZPZV<17>>; };  // NOLINT
04245 template<> struct ConwayPolynomial<911, 3> { using ZPZ = aerobus::zpz<911>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<894>>; };  // NOLINT
04246 template<> struct ConwayPolynomial<911, 4> { using ZPZ = aerobus::zpz<911>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<11>, ZPZV<887>, ZPZV<17>>; };  // NOLINT
04247 template<> struct ConwayPolynomial<911, 5> { using ZPZ = aerobus::zpz<911>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<894>>; };  // NOLINT
04248 template<> struct ConwayPolynomial<911, 6> { using ZPZ = aerobus::zpz<911>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<172>, ZPZV<683>, ZPZV<19>, ZPZV<17>>; };  // NOLINT
04249 template<> struct ConwayPolynomial<911, 7> { using ZPZ = aerobus::zpz<911>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<894>>; };  // NOLINT
04250 template<> struct ConwayPolynomial<911, 8> { using ZPZ = aerobus::zpz<911>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<708>, ZPZV<590>, ZPZV<168>, ZPZV<17>>; };  //
      NOLINT
04251 template<> struct ConwayPolynomial<911, 9> { using ZPZ = aerobus::zpz<911>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<679>, ZPZV<116>, ZPZV<894>>;
      };  // NOLINT
04252 template<> struct ConwayPolynomial<919, 1> { using ZPZ = aerobus::zpz<919>; using type =
      POLYV<ZPZV<1>, ZPZV<912>>; };  // NOLINT
04253 template<> struct ConwayPolynomial<919, 2> { using ZPZ = aerobus::zpz<919>; using type =
      POLYV<ZPZV<1>, ZPZV<910>, ZPZV<7>>; };  // NOLINT
04254 template<> struct ConwayPolynomial<919, 3> { using ZPZ = aerobus::zpz<919>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<912>>; };  // NOLINT
04255 template<> struct ConwayPolynomial<919, 4> { using ZPZ = aerobus::zpz<919>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<602>, ZPZV<7>>; };  // NOLINT
04256 template<> struct ConwayPolynomial<919, 5> { using ZPZ = aerobus::zpz<919>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<11>, ZPZV<912>>; };  // NOLINT
04257 template<> struct ConwayPolynomial<919, 6> { using ZPZ = aerobus::zpz<919>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<312>, ZPZV<817>, ZPZV<113>, ZPZV<7>>; };  // NOLINT
04258 template<> struct ConwayPolynomial<919, 7> { using ZPZ = aerobus::zpz<919>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<9>, ZPZV<912>>; };  // NOLINT
04259 template<> struct ConwayPolynomial<919, 8> { using ZPZ = aerobus::zpz<919>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<708>, ZPZV<202>, ZPZV<504>, ZPZV<7>>; };  //
      NOLINT
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04260 template<> struct ConwayPolynomial<919, 9> { using ZPZ = aerobus::zpz<919>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<410>, ZPZV<623>, ZPZV<912»;
      };  // NOLINT
04261 template<> struct ConwayPolynomial<929, 1> { using ZPZ = aerobus::zpz<929>; using type =
      POLYV<ZPZV<1>, ZPZV<926»; };  // NOLINT
04262 template<> struct ConwayPolynomial<929, 2> { using ZPZ = aerobus::zpz<929>; using type =
      POLYV<ZPZV<1>, ZPZV<917>, ZPZV<3»; };  // NOLINT
04263 template<> struct ConwayPolynomial<929, 3> { using ZPZ = aerobus::zpz<929>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<5>, ZPZV<926»; };  // NOLINT
04264 template<> struct ConwayPolynomial<929, 4> { using ZPZ = aerobus::zpz<929>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<787>, ZPZV<3»; };  // NOLINT
04265 template<> struct ConwayPolynomial<929, 5> { using ZPZ = aerobus::zpz<929>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<926»; };  // NOLINT
04266 template<> struct ConwayPolynomial<929, 6> { using ZPZ = aerobus::zpz<929>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<805>, ZPZV<92>, ZPZV<86>, ZPZV<3»; };  // NOLINT
04267 template<> struct ConwayPolynomial<929, 7> { using ZPZ = aerobus::zpz<929>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<926»; };  // NOLINT
04268 template<> struct ConwayPolynomial<929, 8> { using ZPZ = aerobus::zpz<929>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<699>, ZPZV<292>, ZPZV<586>, ZPZV<3»; };  //
      NOLINT
04269 template<> struct ConwayPolynomial<929, 9> { using ZPZ = aerobus::zpz<929>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<481>, ZPZV<199>, ZPZV<926»;
      };  // NOLINT
04270 template<> struct ConwayPolynomial<937, 1> { using ZPZ = aerobus::zpz<937>; using type =
      POLYV<ZPZV<1>, ZPZV<932»; };  // NOLINT
04271 template<> struct ConwayPolynomial<937, 2> { using ZPZ = aerobus::zpz<937>; using type =
      POLYV<ZPZV<1>, ZPZV<934>, ZPZV<5»; };  // NOLINT
04272 template<> struct ConwayPolynomial<937, 3> { using ZPZ = aerobus::zpz<937>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<932»; };  // NOLINT
04273 template<> struct ConwayPolynomial<937, 4> { using ZPZ = aerobus::zpz<937>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<23>, ZPZV<585>, ZPZV<5»; };  // NOLINT
04274 template<> struct ConwayPolynomial<937, 5> { using ZPZ = aerobus::zpz<937>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<932»; };  // NOLINT
04275 template<> struct ConwayPolynomial<937, 6> { using ZPZ = aerobus::zpz<937>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<794>, ZPZV<727>, ZPZV<934>, ZPZV<5»; };  // NOLINT
04276 template<> struct ConwayPolynomial<937, 7> { using ZPZ = aerobus::zpz<937>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<24>, ZPZV<932»; };  // NOLINT
04277 template<> struct ConwayPolynomial<937, 8> { using ZPZ = aerobus::zpz<937>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<658>, ZPZV<26>, ZPZV<53>, ZPZV<5»; };  //
      NOLINT
04278 template<> struct ConwayPolynomial<937, 9> { using ZPZ = aerobus::zpz<937>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<28>, ZPZV<533>, ZPZV<483>, ZPZV<932»;
      };  // NOLINT
04279 template<> struct ConwayPolynomial<941, 1> { using ZPZ = aerobus::zpz<941>; using type =
      POLYV<ZPZV<1>, ZPZV<939»; };  // NOLINT
04280 template<> struct ConwayPolynomial<941, 2> { using ZPZ = aerobus::zpz<941>; using type =
      POLYV<ZPZV<1>, ZPZV<940>, ZPZV<2»; };  // NOLINT
04281 template<> struct ConwayPolynomial<941, 3> { using ZPZ = aerobus::zpz<941>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<939»; };  // NOLINT
04282 template<> struct ConwayPolynomial<941, 4> { using ZPZ = aerobus::zpz<941>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<505>, ZPZV<2»; };  // NOLINT
04283 template<> struct ConwayPolynomial<941, 5> { using ZPZ = aerobus::zpz<941>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<939»; };  // NOLINT
04284 template<> struct ConwayPolynomial<941, 6> { using ZPZ = aerobus::zpz<941>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<459>, ZPZV<694>, ZPZV<538>, ZPZV<2»; };  // NOLINT
04285 template<> struct ConwayPolynomial<941, 7> { using ZPZ = aerobus::zpz<941>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<4>, ZPZV<939»; };  // NOLINT
04286 template<> struct ConwayPolynomial<941, 8> { using ZPZ = aerobus::zpz<941>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<805>, ZPZV<675>, ZPZV<590>, ZPZV<2»; };  //
      NOLINT
04287 template<> struct ConwayPolynomial<941, 9> { using ZPZ = aerobus::zpz<941>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<708>, ZPZV<197>, ZPZV<939»;
      };  // NOLINT
04288 template<> struct ConwayPolynomial<947, 1> { using ZPZ = aerobus::zpz<947>; using type =
      POLYV<ZPZV<1>, ZPZV<945»; };  // NOLINT
04289 template<> struct ConwayPolynomial<947, 2> { using ZPZ = aerobus::zpz<947>; using type =
      POLYV<ZPZV<1>, ZPZV<943>, ZPZV<2»; };  // NOLINT
04290 template<> struct ConwayPolynomial<947, 3> { using ZPZ = aerobus::zpz<947>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<945»; };  // NOLINT
04291 template<> struct ConwayPolynomial<947, 4> { using ZPZ = aerobus::zpz<947>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<8>, ZPZV<894>, ZPZV<2»; };  // NOLINT
04292 template<> struct ConwayPolynomial<947, 5> { using ZPZ = aerobus::zpz<947>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<15>, ZPZV<945»; };  // NOLINT
04293 template<> struct ConwayPolynomial<947, 6> { using ZPZ = aerobus::zpz<947>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<880>, ZPZV<787>, ZPZV<95>, ZPZV<2»; };  // NOLINT
04294 template<> struct ConwayPolynomial<947, 7> { using ZPZ = aerobus::zpz<947>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<945»; };  // NOLINT
04295 template<> struct ConwayPolynomial<947, 8> { using ZPZ = aerobus::zpz<947>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<845>, ZPZV<597>, ZPZV<581>, ZPZV<2»; };  //
      NOLINT
04296 template<> struct ConwayPolynomial<947, 9> { using ZPZ = aerobus::zpz<947>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<269>, ZPZV<808>, ZPZV<945»;
      };  // NOLINT
04297 template<> struct ConwayPolynomial<953, 1> { using ZPZ = aerobus::zpz<953>; using type =
      POLYV<ZPZV<1>, ZPZV<950»; };  // NOLINT
04298 template<> struct ConwayPolynomial<953, 2> { using ZPZ = aerobus::zpz<953>; using type =
      POLYV<ZPZV<1>, ZPZV<947>, ZPZV<3»; };  // NOLINT
```

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04299 template<> struct ConwayPolynomial<953, 3> { using ZPZ = aerobus::zpz<953>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<7>, ZPZV<950>>; };  // NOLINT
04300 template<> struct ConwayPolynomial<953, 4> { using ZPZ = aerobus::zpz<953>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<865>, ZPZV<3>>; };  // NOLINT
04301 template<> struct ConwayPolynomial<953, 5> { using ZPZ = aerobus::zpz<953>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<950>>; };  // NOLINT
04302 template<> struct ConwayPolynomial<953, 6> { using ZPZ = aerobus::zpz<953>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<507>, ZPZV<829>, ZPZV<730>, ZPZV<3>>; };  // NOLINT
04303 template<> struct ConwayPolynomial<953, 7> { using ZPZ = aerobus::zpz<953>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<5>, ZPZV<950>>; };  // NOLINT
04304 template<> struct ConwayPolynomial<953, 8> { using ZPZ = aerobus::zpz<953>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<6>, ZPZV<579>, ZPZV<658>, ZPZV<108>, ZPZV<3>>; };  //
      NOLINT
04305 template<> struct ConwayPolynomial<953, 9> { using ZPZ = aerobus::zpz<953>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<819>, ZPZV<316>, ZPZV<950>>;
      };  // NOLINT
04306 template<> struct ConwayPolynomial<967, 1> { using ZPZ = aerobus::zpz<967>; using type =
      POLYV<ZPZV<1>, ZPZV<962>>; };  // NOLINT
04307 template<> struct ConwayPolynomial<967, 2> { using ZPZ = aerobus::zpz<967>; using type =
      POLYV<ZPZV<1>, ZPZV<965>, ZPZV<5>>; };  // NOLINT
04308 template<> struct ConwayPolynomial<967, 3> { using ZPZ = aerobus::zpz<967>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<962>>; };  // NOLINT
04309 template<> struct ConwayPolynomial<967, 4> { using ZPZ = aerobus::zpz<967>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<963>, ZPZV<5>>; };  // NOLINT
04310 template<> struct ConwayPolynomial<967, 5> { using ZPZ = aerobus::zpz<967>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<2>, ZPZV<962>>; };  // NOLINT
04311 template<> struct ConwayPolynomial<967, 6> { using ZPZ = aerobus::zpz<967>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<805>, ZPZV<948>, ZPZV<831>, ZPZV<5>>; };  // NOLINT
04312 template<> struct ConwayPolynomial<967, 7> { using ZPZ = aerobus::zpz<967>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<9>, ZPZV<962>>; };  // NOLINT
04313 template<> struct ConwayPolynomial<967, 8> { using ZPZ = aerobus::zpz<967>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<15>, ZPZV<840>, ZPZV<502>, ZPZV<136>, ZPZV<5>>; };  //
      NOLINT
04314 template<> struct ConwayPolynomial<967, 9> { using ZPZ = aerobus::zpz<967>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<512>, ZPZV<783>, ZPZV<962>>;
      };  // NOLINT
04315 template<> struct ConwayPolynomial<971, 1> { using ZPZ = aerobus::zpz<971>; using type =
      POLYV<ZPZV<1>, ZPZV<965>>; };  // NOLINT
04316 template<> struct ConwayPolynomial<971, 2> { using ZPZ = aerobus::zpz<971>; using type =
      POLYV<ZPZV<1>, ZPZV<970>, ZPZV<6>>; };  // NOLINT
04317 template<> struct ConwayPolynomial<971, 3> { using ZPZ = aerobus::zpz<971>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<3>, ZPZV<965>>; };  // NOLINT
04318 template<> struct ConwayPolynomial<971, 4> { using ZPZ = aerobus::zpz<971>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<527>, ZPZV<6>>; };  // NOLINT
04319 template<> struct ConwayPolynomial<971, 5> { using ZPZ = aerobus::zpz<971>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<14>, ZPZV<965>>; };  // NOLINT
04320 template<> struct ConwayPolynomial<971, 6> { using ZPZ = aerobus::zpz<971>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<970>, ZPZV<729>, ZPZV<718>, ZPZV<6>>; };  // NOLINT
04321 template<> struct ConwayPolynomial<971, 7> { using ZPZ = aerobus::zpz<971>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<13>, ZPZV<965>>; };  // NOLINT
04322 template<> struct ConwayPolynomial<971, 8> { using ZPZ = aerobus::zpz<971>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<725>, ZPZV<281>, ZPZV<206>, ZPZV<6>>; };  //
      NOLINT
04323 template<> struct ConwayPolynomial<971, 9> { using ZPZ = aerobus::zpz<971>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<805>, ZPZV<473>, ZPZV<965>>;
      };  // NOLINT
04324 template<> struct ConwayPolynomial<977, 1> { using ZPZ = aerobus::zpz<977>; using type =
      POLYV<ZPZV<1>, ZPZV<974>>; };  // NOLINT
04325 template<> struct ConwayPolynomial<977, 2> { using ZPZ = aerobus::zpz<977>; using type =
      POLYV<ZPZV<1>, ZPZV<972>, ZPZV<3>>; };  // NOLINT
04326 template<> struct ConwayPolynomial<977, 3> { using ZPZ = aerobus::zpz<977>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<974>>; };  // NOLINT
04327 template<> struct ConwayPolynomial<977, 4> { using ZPZ = aerobus::zpz<977>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<800>, ZPZV<3>>; };  // NOLINT
04328 template<> struct ConwayPolynomial<977, 5> { using ZPZ = aerobus::zpz<977>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<11>, ZPZV<974>>; };  // NOLINT
04329 template<> struct ConwayPolynomial<977, 6> { using ZPZ = aerobus::zpz<977>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<729>, ZPZV<830>, ZPZV<753>, ZPZV<3>>; };  // NOLINT
04330 template<> struct ConwayPolynomial<977, 7> { using ZPZ = aerobus::zpz<977>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<974>>; };  // NOLINT
04331 template<> struct ConwayPolynomial<977, 8> { using ZPZ = aerobus::zpz<977>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<855>, ZPZV<807>, ZPZV<77>, ZPZV<3>>; };  //
      NOLINT
04332 template<> struct ConwayPolynomial<977, 9> { using ZPZ = aerobus::zpz<977>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<450>, ZPZV<740>, ZPZV<974>>;
      };  // NOLINT
04333 template<> struct ConwayPolynomial<983, 1> { using ZPZ = aerobus::zpz<983>; using type =
      POLYV<ZPZV<1>, ZPZV<978>>; };  // NOLINT
04334 template<> struct ConwayPolynomial<983, 2> { using ZPZ = aerobus::zpz<983>; using type =
      POLYV<ZPZV<1>, ZPZV<981>, ZPZV<5>>; };  // NOLINT
04335 template<> struct ConwayPolynomial<983, 3> { using ZPZ = aerobus::zpz<983>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<1>, ZPZV<978>>; };  // NOLINT
04336 template<> struct ConwayPolynomial<983, 4> { using ZPZ = aerobus::zpz<983>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<5>, ZPZV<567>, ZPZV<5>>; };  // NOLINT
04337 template<> struct ConwayPolynomial<983, 5> { using ZPZ = aerobus::zpz<983>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<8>, ZPZV<978>>; };  // NOLINT
04338 template<> struct ConwayPolynomial<983, 6> { using ZPZ = aerobus::zpz<983>; using type =
```

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      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<849>, ZPZV<296>, ZPZV<228>, ZPZV<5»; };  // NOLINT
04339 template<> struct ConwayPolynomial<983, 7> { using ZPZ = aerobus::zpz<983>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<978»; };  // NOLINT
04340 template<> struct ConwayPolynomial<983, 8> { using ZPZ = aerobus::zpz<983>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<738>, ZPZV<276>, ZPZV<530>, ZPZV<5»; };  //
      NOLINT
04341 template<> struct ConwayPolynomial<983, 9> { using ZPZ = aerobus::zpz<983>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<858>, ZPZV<87>, ZPZV<978»;
      };  // NOLINT
04342 template<> struct ConwayPolynomial<991, 1> { using ZPZ = aerobus::zpz<991>; using type =
      POLYV<ZPZV<1>, ZPZV<985»; };  // NOLINT
04343 template<> struct ConwayPolynomial<991, 2> { using ZPZ = aerobus::zpz<991>; using type =
      POLYV<ZPZV<1>, ZPZV<989>, ZPZV<6»; };  // NOLINT
04344 template<> struct ConwayPolynomial<991, 3> { using ZPZ = aerobus::zpz<991>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<4>, ZPZV<985»; };  // NOLINT
04345 template<> struct ConwayPolynomial<991, 4> { using ZPZ = aerobus::zpz<991>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<10>, ZPZV<794>, ZPZV<6»; };  // NOLINT
04346 template<> struct ConwayPolynomial<991, 5> { using ZPZ = aerobus::zpz<991>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<3>, ZPZV<985»; };  // NOLINT
04347 template<> struct ConwayPolynomial<991, 6> { using ZPZ = aerobus::zpz<991>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<637>, ZPZV<855>, ZPZV<278>, ZPZV<6»; };  // NOLINT
04348 template<> struct ConwayPolynomial<991, 7> { using ZPZ = aerobus::zpz<991>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<7>, ZPZV<985»; };  // NOLINT
04349 template<> struct ConwayPolynomial<991, 8> { using ZPZ = aerobus::zpz<991>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<15>, ZPZV<941>, ZPZV<786>, ZPZV<234>, ZPZV<6»; };  //
      NOLINT
04350 template<> struct ConwayPolynomial<991, 9> { using ZPZ = aerobus::zpz<991>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<9>, ZPZV<466>, ZPZV<222>, ZPZV<985»;
      };  // NOLINT
04351 template<> struct ConwayPolynomial<997, 1> { using ZPZ = aerobus::zpz<997>; using type =
      POLYV<ZPZV<1>, ZPZV<990»; };  // NOLINT
04352 template<> struct ConwayPolynomial<997, 2> { using ZPZ = aerobus::zpz<997>; using type =
      POLYV<ZPZV<1>, ZPZV<995>, ZPZV<7»; };  // NOLINT
04353 template<> struct ConwayPolynomial<997, 3> { using ZPZ = aerobus::zpz<997>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<2>, ZPZV<990»; };  // NOLINT
04354 template<> struct ConwayPolynomial<997, 4> { using ZPZ = aerobus::zpz<997>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<4>, ZPZV<622>, ZPZV<7»; };  // NOLINT
04355 template<> struct ConwayPolynomial<997, 5> { using ZPZ = aerobus::zpz<997>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<10>, ZPZV<990»; };  // NOLINT
04356 template<> struct ConwayPolynomial<997, 6> { using ZPZ = aerobus::zpz<997>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<981>, ZPZV<58>, ZPZV<260>, ZPZV<7»; };  // NOLINT
04357 template<> struct ConwayPolynomial<997, 7> { using ZPZ = aerobus::zpz<997>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<1>, ZPZV<990»; };  // NOLINT
04358 template<> struct ConwayPolynomial<997, 8> { using ZPZ = aerobus::zpz<997>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<934>, ZPZV<473>, ZPZV<241>, ZPZV<7»; };  //
      NOLINT
04359 template<> struct ConwayPolynomial<997, 9> { using ZPZ = aerobus::zpz<997>; using type =
      POLYV<ZPZV<1>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<0>, ZPZV<39>, ZPZV<732>, ZPZV<616>, ZPZV<990»;
      };  // NOLINT
04360 #endif  // AEROBUS_CONWAY_IMPORTS
04361
04362 #endif // __INC_AEROBUS__ // NOLINT
```

Chapter 7

Examples

7.1 i32::template

inject a native constant

inject a native constant

Template Parameters

x	inject_constant_2<2> -> i32::template val<2>

7.2 i64::template

injects constant as an i64 value

injects constant as an i64 value

Template Parameters

x	inject_constant_t<2>

7.3 polynomial

makes the constant (native type) polynomial a_0

makes the constant (native type) polynomial a_0

Template Parameters

x	<i32>::template inject_constant_t<2>

7.4 PI_fraction::val

representation of PI as a continued fraction -> 3.14...

7.5 E_fraction::val

approximation of e -> 2.718...

approximation of e -> 2.718...

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