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Contents

1.1 curl 7.80.0

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1.4 pcre 8.44

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THE BASIC LIBRARY FUNCTIONS

Written by: Philip Hazel

Email local part: Philip.Hazel

Email domain: gmail.com

University of Cambridge Computing Service,
Cambridge, England.

PCRE2 JUST-IN-TIME COMPILATION SUPPORT

Written by: Zoltan Herczeg
Email local part: hzmester
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1.5 libxml2 2.9.13

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1.6 jabberjose 1.0

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Format: http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/

Upstream-Name: cjose

Source: https://github.com/cisco/cjose

Files: *

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1.7 boost 1.65.1

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1.8 rapidxml 1.13

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1.9 libsrtp 2.2.0

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1.10 cpprest 2.9.0

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* /opt/cola/permits/1209197947_1686812628.275104/0/vendors-gtest-1-8-0-234-windows-zip/include/gtest/gtest_pred_impl.h

* /opt/cola/permits/1209197947_1686812628.275104/0/vendors-gtest-1-8-0-234-windows-zip/include/gmock/internal/gmock-internal-utils.h

* /opt/cola/permits/1209197947_1686812628.275104/0/vendors-gtest-1-8-0-234-windows-zip/include/gmock/gmock-matchers.h

* /opt/cola/permits/1209197947_1686812628.275104/0/vendors-gtest-1-8-0-234-windows-zip/include/gtest/gtest-death-test.h

* /opt/cola/permits/1209197947_1686812628.275104/0/vendors-gtest-1-8-0-234-windows-zip/include/opensource/gmock-1.7.0/include/gmock/gmock-actions.h

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* /opt/cola/permits/1209197947_1686812628.275104/0/vendors-gtest-1-8-0-234-windows-zip/include/opensource/gmock-1.7.0/include/gmock/internal/gmock-port.h

* /opt/cola/permits/1209197947_1686812628.275104/0/vendors-gtest-1-8-0-234-windows-zip/include/gmock/gmock-generated-matchers.h

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* /opt/cola/permits/1209197947_1686812628.275104/0/vendors-gtest-1-8-0-234-windows-zip/include/gmock/gmock-spec-builders.h

* /opt/cola/permits/1209197947_1686812628.275104/0/vendors-gtest-1-8-0-234-windows-zip/include/gtest/gtest-printers.h

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* /opt/cola/permits/1209197947_1686812628.275104/0/vendors-gtest-1-8-0-234-windows-zip/include/opensource/gtest-1.7.0/include/gtest/internal/gtest-filepath.h

* /opt/cola/permits/1209197947_1686812628.275104/0/vendors-gtest-1-8-0-234-windows-zip/include/gmock/gmock-more-actions.h

* /opt/cola/permits/1209197947_1686812628.275104/0/vendors-gtest-1-8-0-234-windows-zip/include/opensource/gtest-1.7.0/include/gtest/gtest-param-test.h

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* /opt/cola/permits/1209197947_1686812628.275104/0/vendors-gtest-1-8-0-234-windows-zip/include/opensource/gtest-1.7.0/include/gtest/gtest-death-test.h

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* /opt/cola/permits/1209197947_1686812628.275104/0/vendors-gtest-1-8-0-234-windows-zip/include/gmock/gmock-actions.h

* /opt/cola/permits/1209197947_1686812628.275104/0/vendors-gtest-1-8-0-234-windows-zip/include/gtest/gtest-spi.h

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* /opt/cola/permits/1209197947_1686812628.275104/0/vendors-gtest-1-8-0-234-windows-zip/include/gmock/gmock.h

* /opt/cola/permits/1209197947_1686812628.275104/0/vendors-gtest-1-8-0-234-windows-zip/include/opensource/gmock-1.7.0/include/gmock/internal/gmock-internal-utils.h

* /opt/cola/permits/1209197947_1686812628.275104/0/vendors-gtest-1-8-0-234-windows-zip/include/opensource/gmock-1.7.0/include/gmock/gmock-cardinalities.h

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* /opt/cola/permits/1209197947_1686812628.275104/0/vendors-gtest-1-8-0-234-windows-zip/include/gtest/internal/gtest-param-util.h

* /opt/cola/permits/1209197947_1686812628.275104/0/vendors-gtest-1-8-0-234-windows-zip/include/opensource/gtest-1.7.0/include/gtest/internal/gtest-tuple.h.pump

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* /opt/cola/permits/1209197947_1686812628.275104/0/vendors-gtest-1-8-0-234-windows-zip/include/opensource/gtest-1.7.0/include/gtest/internal/gtest-tuple.h

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$$ -*- mode: c++; -*-
$var n = 50 $$ Maximum length of type lists we want to support.
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//
// Author: wan@google.com (Zhanyong Wan)

// Type utilities needed for implementing typed and type-parameterized
// tests. This file is generated by a SCRIPT. DO NOT EDIT BY HAND!
//
// Currently we support at most $n types in a list, and at most $n
// type-parameterized tests in one type-parameterized test case.
// Please contact googletestframework@googlegroups.com if you need

```
// more.

#ifndef GTEST_INCLUDE_GTEST_INTERNAL_GTEST_TYPE_UTIL_H_
#define GTEST_INCLUDE_GTEST_INTERNAL_GTEST_TYPE_UTIL_H_

#include "gtest/internal/gtest-port.h"

// #ifdef __GNUC__ is too general here.  It is possible to use gcc without using
// libstdc++ (which is where cxxabi.h comes from).
# if GTEST_HAS_CXXABI_H_
#  include <cxxabi.h>
# elif defined(__HP_aCC)
#  include <acxx_demangle.h>
# endif  // GTEST_HASH_CXXABI_H_

namespace testing {
namespace internal {

// GetTypeName<T>() returns a human-readable name of type T.
// NB: This function is also used in Google Mock, so don't move it inside of
// the typed-test-only section below.
template <typename T>
std::string GetTypeName() {
# if GTEST_HAS_RTTI

 const char* const name = typeid(T).name();
#  if GTEST_HAS_CXXABI_H_ || defined(__HP_aCC)
 int status = 0;
 // gcc's implementation of typeid(T).name() mangles the type name,
 // so we have to demangle it.
#   if GTEST_HAS_CXXABI_H_
 using abi::__cxa_demangle;
#   endif  // GTEST_HAS_CXXABI_H_
 char* const readable_name = __cxa_demangle(name, 0, 0, &status);
 const std::string name_str(status == 0 ? readable_name : name);
 free(readable_name);
 return name_str;
#  else
 return name;
#  endif  // GTEST_HAS_CXXABI_H_ || __HP_aCC

# else

 return "<type>";

# endif  // GTEST_HAS_RTTI
}
```

```
#if GTEST_HAS_TYPED_TEST || GTEST_HAS_TYPED_TEST_P

// AssertyTypeEq<T1, T2>::type is defined iff T1 and T2 are the same
// type.  This can be used as a compile-time assertion to ensure that
// two types are equal.

template <typename T1, typename T2>
struct AssertTypeEq;

template <typename T>
struct AssertTypeEq<T, T> {
 typedef bool type;
};

// A unique type used as the default value for the arguments of class
// template Types.  This allows us to simulate variadic templates
// (e.g. Types<int>, Type<int, double>, and etc), which C++ doesn't
// support directly.
struct None {};

// The following family of struct and struct templates are used to
// represent type lists.  In particular, TypesN<T1, T2, ..., TN>
// represents a type list with N types (T1, T2, ..., and TN) in it.
// Except for Types0, every struct in the family has two member types:
// Head for the first type in the list, and Tail for the rest of the
// list.

// The empty type list.
struct Types0 {};

// Type lists of length 1, 2, 3, and so on.

template <typename T1>
struct Types1 {
 typedef T1 Head;
 typedef Types0 Tail;
};

$range i 2..n

$for i [[
$range j 1..i
$range k 2..i
template <$for j, [[typename T$j]]>
struct Types$i {
 typedef T1 Head;
 typedef Types$(i-1)<$for k, [[T$k]]> Tail;
};
```

```
]]

}  // namespace internal

// We don't want to require the users to write TypesN<...> directly,
// as that would require them to count the length.  Types<...> is much
// easier to write, but generates horrible messages when there is a
// compiler error, as gcc insists on printing out each template
// argument, even if it has the default value (this means Types<int>
// will appear as Types<int, None, None, ..., None> in the compiler
// errors).
//
// Our solution is to combine the best part of the two approaches: a
// user would write Types<T1, ..., TN>, and Google Test will translate
// that to TypesN<T1, ..., TN> internally to make error messages
// readable.  The translation is done by the 'type' member of the
// Types template.

$range i 1..n
template <$for i, [[typename T$i = internal::None]]>
struct Types {
 typedef internal::Types$n<$for i, [[T$i]]> type;
};

template <>
struct Types<$for i, [[internal::None]]> {
 typedef internal::Types0 type;
};

$range i 1..n-1
$for i [[
$range j 1..i
$range k i+1..n
template <$for j, [[typename T$j]]>
struct Types<$for j, [[T$j]]$for k[[, internal::None]]> {
 typedef internal::Types$i<$for j, [[T$j]]> type;
};

]]

namespace internal {

# define GTEST_TEMPLATE_ template <typename T> class

// The template "selector" struct TemplateSel<Tmpl> is used to
// represent Tmpl, which must be a class template with one type
```

```
// parameter, as a type.  TemplateSel<Tmpl>::Bind<T>::type is defined
// as the type Tmpl<T>.  This allows us to actually instantiate the
// template "selected" by TemplateSel<Tmpl>.
//
// This trick is necessary for simulating typedef for class templates,
// which C++ doesn't support directly.
template <GTEST_TEMPLATE_ Tmpl>
struct TemplateSel {
 template <typename T>
 struct Bind {
   typedef Tmpl<T> type;
 };
};

# define GTEST_BIND_(TmplSel, T) \
 TmplSel::template Bind<T>::type

// A unique struct template used as the default value for the
// arguments of class template Templates.  This allows us to simulate
// variadic templates (e.g. Templates<int>, Templates<int, double>,
// and etc), which C++ doesn't support directly.
template <typename T>
struct NoneT {};

// The following family of struct and struct templates are used to
// represent template lists.  In particular, TemplatesN<T1, T2, ...,
// TN> represents a list of N templates (T1, T2, ..., and TN).  Except
// for Templates0, every struct in the family has two member types:
// Head for the selector of the first template in the list, and Tail
// for the rest of the list.

// The empty template list.
struct Templates0 {};

// Template lists of length 1, 2, 3, and so on.

template <GTEST_TEMPLATE_ T1>
struct Templates1 {
 typedef TemplateSel<T1> Head;
 typedef Templates0 Tail;
};

$range i 2..n

$for i [[
$range j 1..i
$range k 2..i
template <$for j, [[GTEST_TEMPLATE_ T$j]]>
```

```
struct Templates$i {
 typedef TemplateSel<T1> Head;
 typedef Templates$(i-1)<$for k, [[T$k]]> Tail;
};


]]

// We don't want to require the users to write TemplatesN<...> directly,
// as that would require them to count the length.  Templates<...> is much
// easier to write, but generates horrible messages when there is a
// compiler error, as gcc insists on printing out each template
// argument, even if it has the default value (this means Templates<list>
// will appear as Templates<list, NoneT, NoneT, ..., NoneT> in the compiler
// errors).
//
// Our solution is to combine the best part of the two approaches: a
// user would write Templates<T1, ..., TN>, and Google Test will translate
// that to TemplatesN<T1, ..., TN> internally to make error messages
// readable.  The translation is done by the 'type' member of the
// Templates template.

$range i 1..n
template <$for i, [[GTEST_TEMPLATE_ T$i = NoneT]]>
struct Templates {
 typedef Templates$n<$for i, [[T$i]]> type;
};

template <>
struct Templates<$for i, [[NoneT]]> {
 typedef Templates0 type;
};

$range i 1..n-1
$for i [[
$range j 1..i
$range k i+1..n
template <$for j, [[GTEST_TEMPLATE_ T$j]]>
struct Templates<$for j, [[T$j]]$for k[[, NoneT]]> {
 typedef Templates$i<$for j, [[T$j]]> type;
};

]]

// The TypeList template makes it possible to use either a single type
// or a Types<...> list in TYPED_TEST_CASE() and
// INSTANTIATE_TYPED_TEST_CASE_P().
```

```
template <typename T>
struct TypeList {
 typedef Types1<T> type;
};


$range i 1..n
template <$for i, [[typename T$i]]>
struct TypeList<Types<$for i, [[T$i]]> > {
 typedef typename Types<$for i, [[T$i]]>::type type;
};

#endif  // GTEST_HAS_TYPED_TEST || GTEST_HAS_TYPED_TEST_P

}  // namespace internal
}  // namespace testing

#endif  // GTEST_INCLUDE_GTEST_INTERNAL_GTEST_TYPE_UTIL_H_
```

Found in path(s):
* /opt/cola/permits/1209197947_1686812628.275104/0/vendors-gtest-1-8-0-234-windows-zip/include/gtest/internal/gtest-type-util.h.pump
* /opt/cola/permits/1209197947_1686812628.275104/0/vendors-gtest-1-8-0-234-windows-zip/include/opensource/gtest-1.7.0/include/gtest/internal/gtest-type-util.h.pump
No license file was found, but licenses were detected in source scan.

```
$$ -*- mode: c++; -*-
$$ This is a Pump source file.  Please use Pump to convert it to
$$ gmock-generated-nice-strict.h.
$$
$var n = 10  $$ The maximum arity we support.
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//
```

// Author: wan@google.com (Zhanyong Wan)

// Implements class templates NiceMock, NaggyMock, and StrictMock.
//
// Given a mock class MockFoo that is created using Google Mock,
// NiceMock<MockFoo> is a subclass of MockFoo that allows
// uninteresting calls (i.e. calls to mock methods that have no
// EXPECT_CALL specs), NaggyMock<MockFoo> is a subclass of MockFoo
// that prints a warning when an uninteresting call occurs, and
// StrictMock<MockFoo> is a subclass of MockFoo that treats all
// uninteresting calls as errors.
//
// Currently a mock is naggy by default, so MockFoo and
// NaggyMock<MockFoo> behave like the same. However, we will soon
// switch the default behavior of mocks to be nice, as that in general
// leads to more maintainable tests. When that happens, MockFoo will
// stop behaving like NaggyMock<MockFoo> and start behaving like
// NiceMock<MockFoo>.
//
// NiceMock, NaggyMock, and StrictMock "inherit" the constructors of
// their respective base class, with up-to $n arguments. Therefore
// you can write NiceMock<MockFoo>(5, "a") to construct a nice mock
// where MockFoo has a constructor that accepts (int, const char*),
// for example.
//
// A known limitation is that NiceMock<MockFoo>, NaggyMock<MockFoo>,
// and StrictMock<MockFoo> only works for mock methods defined using
// the MOCK_METHOD* family of macros DIRECTLY in the MockFoo class.
// If a mock method is defined in a base class of MockFoo, the "nice"
// or "strict" modifier may not affect it, depending on the compiler.
// In particular, nesting NiceMock, NaggyMock, and StrictMock is NOT
// supported.
//
// Another known limitation is that the constructors of the base mock
// cannot have arguments passed by non-const reference, which are
// banned by the Google C++ style guide anyway.

```
#ifndef GMOCK_INCLUDE_GMOCK_GMOCK_GENERATED_NICE_STRICT_H_
#define GMOCK_INCLUDE_GMOCK_GMOCK_GENERATED_NICE_STRICT_H_

#include "gmock/gmock-spec-builders.h"
#include "gmock/internal/gmock-port.h"

namespace testing {

$range kind 0..2
$for kind [[

$var clazz=[[$if kind==0 [[NiceMock]]
        $elif kind==1 [[NaggyMock]]
        $else [[StrictMock]]]]

$var method=[[$if kind==0 [[AllowUninterestingCalls]]
        $elif kind==1 [[WarnUninterestingCalls]]
        $else [[FailUninterestingCalls]]]]

template <class MockClass>
class $clazz : public MockClass {
public:
 // We don't factor out the constructor body to a common method, as
 // we have to avoid a possible clash with members of MockClass.
 $clazz() {
   ::testing::Mock::$method(
      internal::ImplicitCast_<MockClass*>(this));
 }

 // C++ doesn't (yet) allow inheritance of constructors, so we have
 // to define it for each arity.
 template <typename A1>
 explicit $clazz(const A1& a1) : MockClass(a1) {
   ::testing::Mock::$method(
      internal::ImplicitCast_<MockClass*>(this));
 }

$range i 2..n
$for i [[
$range j 1..i
 template <$for j, [[typename A$j]]>
 $clazz($for j, [[const A$j& a$j]]) : MockClass($for j, [[a$j]]) {
   ::testing::Mock::$method(
      internal::ImplicitCast_<MockClass*>(this));
 }
```

```
]]
 virtual ~$clazz() {
   ::testing::Mock::UnregisterCallReaction(
     internal::ImplicitCast_<MockClass*>(this));
 }

private:
 GTEST_DISALLOW_COPY_AND_ASSIGN_($clazz);
};


]]

// The following specializations catch some (relatively more common)
// user errors of nesting nice and strict mocks.  They do NOT catch
// all possible errors.

// These specializations are declared but not defined, as NiceMock,
// NaggyMock, and StrictMock cannot be nested.

template <typename MockClass>
class NiceMock<NiceMock<MockClass> >;
template <typename MockClass>
class NiceMock<NaggyMock<MockClass> >;
template <typename MockClass>
class NiceMock<StrictMock<MockClass> >;

template <typename MockClass>
class NaggyMock<NiceMock<MockClass> >;
template <typename MockClass>
class NaggyMock<NaggyMock<MockClass> >;
template <typename MockClass>
class NaggyMock<StrictMock<MockClass> >;

template <typename MockClass>
class StrictMock<NiceMock<MockClass> >;
template <typename MockClass>
class StrictMock<NaggyMock<MockClass> >;
template <typename MockClass>
class StrictMock<StrictMock<MockClass> >;

}  // namespace testing

#endif  // GMOCK_INCLUDE_GMOCK_GMOCK_GENERATED_NICE_STRICT_H_
```

Found in path(s):
* /opt/cola/permits/1209197947_1686812628.275104/0/vendors-gtest-1-8-0-234-windows-zip/include/gmock/gmock-generated-nice-strict.h.pump
* /opt/cola/permits/1209197947_1686812628.275104/0/vendors-gtest-1-8-0-234-windows-

zip/include/opensource/gmock-1.7.0/include/gmock/gmock-generated-nice-strict.h.pump
No license file was found, but licenses were detected in source scan.

$$ -*- mode: c++; -*-
$var n = 50 $$ Maximum length of Values arguments we want to support.
$var maxtuple = 10 $$ Maximum number of Combine arguments we want to support.
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//
// Author: vladl@google.com (Vlad Losev)

// Type and function utilities for implementing parameterized tests.
// This file is generated by a SCRIPT. DO NOT EDIT BY HAND!
//
// Currently Google Test supports at most $n arguments in Values,
// and at most $maxtuple arguments in Combine. Please contact
// googletestframework@googlegroups.com if you need more.
// Please note that the number of arguments to Combine is limited
// by the maximum arity of the implementation of tr1::tuple which is
// currently set at $maxtuple.

#ifndef GTEST_INCLUDE_GTEST_INTERNAL_GTEST_PARAM_UTIL_GENERATED_H_

```
#define GTEST_INCLUDE_GTEST_INTERNAL_GTEST_PARAM_UTIL_GENERATED_H_

// scripts/fuse_gtest.py depends on gtest's own header being #included
// *unconditionally*.  Therefore these #includes cannot be moved
// inside #if GTEST_HAS_PARAM_TEST.
#include "gtest/internal/gtest-param-util.h"
#include "gtest/internal/gtest-port.h"

#if GTEST_HAS_PARAM_TEST

namespace testing {

// Forward declarations of ValuesIn(), which is implemented in
// include/gtest/gtest-param-test.h.
template <typename ForwardIterator>
internal::ParamGenerator<
 typename ::testing::internal::IteratorTraits<ForwardIterator>::value_type>
ValuesIn(ForwardIterator begin, ForwardIterator end);

template <typename T, size_t N>
internal::ParamGenerator<T> ValuesIn(const T (&array)[N]);

template <class Container>
internal::ParamGenerator<typename Container::value_type> ValuesIn(
  const Container& container);

namespace internal {

// Used in the Values() function to provide polymorphic capabilities.
template <typename T1>
class ValueArray1 {
public:
 explicit ValueArray1(T1 v1) : v1_(v1) {}

 template <typename T>
 operator ParamGenerator<T>() const { return ValuesIn(&v1_, &v1_ + 1); }

private:
 // No implementation - assignment is unsupported.
 void operator=(const ValueArray1& other);

 const T1 v1_;
};

$range i 2..n
$for i [[
$range j 1..i
```

```
template <$for j, [[typename T$j]]>
class ValueArray$i {
public:
 ValueArray$i($for j, [[T$j v$j]]) : $for j, [[v$(j)_(v$j)]] {}

 template <typename T>
 operator ParamGenerator<T>() const {
  const T array[] = {$for j, [[static_cast<T>(v$(j)_)]]};
  return ValuesIn(array);
 }

private:
 // No implementation - assignment is unsupported.
 void operator=(const ValueArray$i& other);

$for j [[

 const T$j v$(j)_;
]]

};

]]

# if GTEST_HAS_COMBINE
// INTERNAL IMPLEMENTATION - DO NOT USE IN USER CODE.
//
// Generates values from the Cartesian product of values produced
// by the argument generators.
//
$range i 2..maxtuple
$for i [[
$range j 1..i
$range k 2..i

template <$for j, [[typename T$j]]>
class CartesianProductGenerator$i
  : public ParamGeneratorInterface< ::std::tr1::tuple<$for j, [[T$j]]> > {
public:
 typedef ::std::tr1::tuple<$for j, [[T$j]]> ParamType;

 CartesianProductGenerator$i($for j, [[const ParamGenerator<T$j>& g$j]])
   : $for j, [[g$(j)_(g$j)]] {}
 virtual ~CartesianProductGenerator$i() {}

 virtual ParamIteratorInterface<ParamType>* Begin() const {
  return new Iterator(this, $for j, [[g$(j)_, g$(j)_.begin()]]);
 }
```

```
virtual ParamIteratorInterface<ParamType>* End() const {
  return new Iterator(this, $for j, [[g$(j)_, g$(j)_.end()]]);
}


private:
 class Iterator : public ParamIteratorInterface<ParamType> {
 public:
  Iterator(const ParamGeneratorInterface<ParamType>* base, $for j, [[

    const ParamGenerator<T$j>& g$j,
    const typename ParamGenerator<T$j>::iterator& current$(j)]])
     : base_(base),
$for j, [[

     begin$(j)_(g$j.begin()), end$(j)_(g$j.end()), current$(j)_(current$j)
]]   {
    ComputeCurrentValue();
  }
  virtual ~Iterator() {}

  virtual const ParamGeneratorInterface<ParamType>* BaseGenerator() const {
    return base_;
  }
  // Advance should not be called on beyond-of-range iterators
  // so no component iterators must be beyond end of range, either.
  virtual void Advance() {
    assert(!AtEnd());
    ++current$(i)_;

$for k [[
    if (current$(i+2-k)_ == end$(i+2-k)_) {
      current$(i+2-k)_ = begin$(i+2-k)_;
      ++current$(i+2-k-1)_;
    }

]]
    ComputeCurrentValue();
  }
  virtual ParamIteratorInterface<ParamType>* Clone() const {
    return new Iterator(*this);
  }
  virtual const ParamType* Current() const { return &current_value_; }
  virtual bool Equals(const ParamIteratorInterface<ParamType>& other) const {
    // Having the same base generator guarantees that the other
    // iterator is of the same type and we can downcast.
    GTEST_CHECK_(BaseGenerator() == other.BaseGenerator())
        << "The program attempted to compare iterators "
        << "from different generators." << std::endl;
```

```
    const Iterator* typed_other =
      CheckedDowncastToActualType<const Iterator>(&other);
    // We must report iterators equal if they both point beyond their
    // respective ranges. That can happen in a variety of fashions,
    // so we have to consult AtEnd().
    return (AtEnd() && typed_other->AtEnd()) ||
      ($for j  && [[

        current$(j)_ == typed_other->current$(j)_
]]);
  }

 private:
  Iterator(const Iterator& other)
      : base_(other.base_), $for j, [[

      begin$(j)_(other.begin$(j)_),
      end$(j)_(other.end$(j)_),
      current$(j)_(other.current$(j)_)
]] {
    ComputeCurrentValue();
  }

  void ComputeCurrentValue() {
    if (!AtEnd())
      current_value_ = ParamType($for j, [[*current$(j)_]]);
  }
  bool AtEnd() const {
    // We must report iterator past the end of the range when either of the
    // component iterators has reached the end of its range.
    return
$for j  || [[

      current$(j)_ == end$(j)_
]];
  }

  // No implementation - assignment is unsupported.
  void operator=(const Iterator& other);

  const ParamGeneratorInterface<ParamType>* const base_;
  // begin[i]_ and end[i]_ define the i-th range that Iterator traverses.
  // current[i]_ is the actual traversing iterator.
$for j [[

  const typename ParamGenerator<T$j>::iterator begin$(j)_;
  const typename ParamGenerator<T$j>::iterator end$(j)_;
  typename ParamGenerator<T$j>::iterator current$(j)_;
```

```
]]

  ParamType current_value_;
}; // class CartesianProductGenerator$i::Iterator


// No implementation - assignment is unsupported.
void operator=(const CartesianProductGenerator$i& other);



$for j [[
const ParamGenerator<T$j> g$(j)_;


]]
}; // class CartesianProductGenerator$i



]]

// INTERNAL IMPLEMENTATION - DO NOT USE IN USER CODE.
//
// Helper classes providing Combine() with polymorphic features. They allow
// casting CartesianProductGeneratorN<T> to ParamGenerator<U> if T is
// convertible to U.
//
$range i 2..maxtuple
$for i [[
$range j 1..i

template <$for j, [[class Generator$j]]>
class CartesianProductHolder$i {
public:
CartesianProductHolder$i($for j, [[const Generator$j& g$j]])
   : $for j, [[g$(j)_(g$j)]] { }
template <$for j, [[typename T$j]]>
operator ParamGenerator< ::std::tr1::tuple<$for j, [[T$j]]> >() const {
  return ParamGenerator< ::std::tr1::tuple<$for j, [[T$j]]> >(
    new CartesianProductGenerator$i<$for j, [[T$j]]>(
$for j,[[

    static_cast<ParamGenerator<T$j> >(g$(j)_)
]]));
 }

private:
// No implementation - assignment is unsupported.
void operator=(const CartesianProductHolder$i& other);
```

```
$for j [[
 const Generator$j g$(j)_;

]]
};  // class CartesianProductHolder$i


]]


# endif  // GTEST_HAS_COMBINE


} // namespace internal
} // namespace testing


#endif  //  GTEST_HAS_PARAM_TEST


#endif  // GTEST_INCLUDE_GTEST_INTERNAL_GTEST_PARAM_UTIL_GENERATED_H_
```

Found in path(s):
* /opt/cola/permits/1209197947_1686812628.275104/0/vendors-gtest-1-8-0-234-windows-
zip/include/opensource/gtest-1.7.0/include/gtest/internal/gtest-param-util-generated.h.pump
* /opt/cola/permits/1209197947_1686812628.275104/0/vendors-gtest-1-8-0-234-windows-
zip/include/gtest/internal/gtest-param-util-generated.h.pump

1.11 sql-cipher 4.5.0

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1.12 jansson 2.12

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1.13 gstreamer 0.10.35.1

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1.14 sqlite 3.36.0

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1.15 swift 5.7

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1.16 openssl 1.1.1k

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1.17 websocketpp 0.8.0

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1.18 json-cpp 1.9.4
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1.19 tidy 5.8.0

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1.20 zlib 1.1.0

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1.22 open-ldap 2.4.57

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