

GCC Code Coverage Report - Metamorphic Testing

Directory: ./

Date: 2023-12-21 22:57:18

	Exec	Total	Coverage
Lines:	492	549	89.6%
Functions:	57	59	96.6%
Branches:	423	959	44.1%

Function	File	Line	Call count
GetALine(__sFILE*, char*)	SetCover.c	270	called 219 times
Metamorphic_Testing_TestCase10_Test::Metamorphic_Testing_TestCase10_Test()	SetCover_MT_TestSuite.cpp	472	called 2 times
Metamorphic_Testing_TestCase10_Test::TestBody()	SetCover_MT_TestSuite.cpp	472	called 1 time
Metamorphic_Testing_TestCase10_Test::~~Metamorphic_Testing_TestCase10_Test()	SetCover_MT_TestSuite.cpp	472	called 3 times
Metamorphic_Testing_TestCase11_Test::Metamorphic_Testing_TestCase11_Test()	SetCover_MT_TestSuite.cpp	504	called 2 times
Metamorphic_Testing_TestCase11_Test::TestBody()	SetCover_MT_TestSuite.cpp	504	called 1 time
Metamorphic_Testing_TestCase11_Test::~~Metamorphic_Testing_TestCase11_Test()	SetCover_MT_TestSuite.cpp	504	called 3 times
Metamorphic_Testing_TestCase12_Test::Metamorphic_Testing_TestCase12_Test()	SetCover_MT_TestSuite.cpp	536	called 2 times
Metamorphic_Testing_TestCase12_Test::TestBody()	SetCover_MT_TestSuite.cpp	536	called 1 time
Metamorphic_Testing_TestCase12_Test::~~Metamorphic_Testing_TestCase12_Test()	SetCover_MT_TestSuite.cpp	536	called 3 times
Metamorphic_Testing_TestCase1_Test::Metamorphic_Testing_TestCase1_Test()	SetCover_MT_TestSuite.cpp	187	called 2 times
Metamorphic_Testing_TestCase1_Test::TestBody()	SetCover_MT_TestSuite.cpp	187	called 1 time
Metamorphic_Testing_TestCase1_Test::~~Metamorphic_Testing_TestCase1_Test()	SetCover_MT_TestSuite.cpp	187	called 3 times
Metamorphic_Testing_TestCase2_Test::Metamorphic_Testing_TestCase2_Test()	SetCover_MT_TestSuite.cpp	218	called 2 times
Metamorphic_Testing_TestCase2_Test::TestBody()	SetCover_MT_TestSuite.cpp	218	called 1 time
Metamorphic_Testing_TestCase2_Test::~~Metamorphic_Testing_TestCase2_Test()	SetCover_MT_TestSuite.cpp	218	called 3 times
Metamorphic_Testing_TestCase3_Test::Metamorphic_Testing_TestCase3_Test()	SetCover_MT_TestSuite.cpp	249	called 2 times
Metamorphic_Testing_TestCase3_Test::TestBody()	SetCover_MT_TestSuite.cpp	249	called 1 time
Metamorphic_Testing_TestCase3_Test::~~Metamorphic_Testing_TestCase3_Test()	SetCover_MT_TestSuite.cpp	249	called 3 times
Metamorphic_Testing_TestCase4_Test::Metamorphic_Testing_TestCase4_Test()	SetCover_MT_TestSuite.cpp	280	called 2 times
Metamorphic_Testing_TestCase4_Test::TestBody()	SetCover_MT_TestSuite.cpp	280	called 1 time
Metamorphic_Testing_TestCase4_Test::~~Metamorphic_Testing_TestCase4_Test()	SetCover_MT_TestSuite.cpp	280	called 3 times
Metamorphic_Testing_TestCase5_Test::Metamorphic_Testing_TestCase5_Test()	SetCover_MT_TestSuite.cpp	312	called 2 times
Metamorphic_Testing_TestCase5_Test::TestBody()	SetCover_MT_TestSuite.cpp	312	called 1 time

Metamorphic_Testing_TestCase5_Test::~Metamorphic_Testing_TestCase5_Test()	SetCover_MT_TestSuite.cpp	312	3 times
Metamorphic_Testing_TestCase6_Test::~Metamorphic_Testing_TestCase6_Test()	SetCover_MT_TestSuite.cpp	344	called 2 times
Metamorphic_Testing_TestCase6_Test::TestBody()	SetCover_MT_TestSuite.cpp	344	called 1 time
Metamorphic_Testing_TestCase6_Test::~Metamorphic_Testing_TestCase6_Test()	SetCover_MT_TestSuite.cpp	344	called 3 times
Metamorphic_Testing_TestCase7_Test::~Metamorphic_Testing_TestCase7_Test()	SetCover_MT_TestSuite.cpp	376	called 2 times
Metamorphic_Testing_TestCase7_Test::TestBody()	SetCover_MT_TestSuite.cpp	376	called 1 time
Metamorphic_Testing_TestCase7_Test::~Metamorphic_Testing_TestCase7_Test()	SetCover_MT_TestSuite.cpp	376	called 3 times
Metamorphic_Testing_TestCase8_Test::~Metamorphic_Testing_TestCase8_Test()	SetCover_MT_TestSuite.cpp	408	called 2 times
Metamorphic_Testing_TestCase8_Test::TestBody()	SetCover_MT_TestSuite.cpp	408	called 1 time
Metamorphic_Testing_TestCase8_Test::~Metamorphic_Testing_TestCase8_Test()	SetCover_MT_TestSuite.cpp	408	called 3 times
Metamorphic_Testing_TestCase9_Test::~Metamorphic_Testing_TestCase9_Test()	SetCover_MT_TestSuite.cpp	440	called 2 times
Metamorphic_Testing_TestCase9_Test::TestBody()	SetCover_MT_TestSuite.cpp	440	called 1 time
Metamorphic_Testing_TestCase9_Test::~Metamorphic_Testing_TestCase9_Test()	SetCover_MT_TestSuite.cpp	440	called 3 times
addSubSet(Solution*, int)	SetCover.c	203	called 526959 times
areVectorOfVectorsEqual(std::__1::vector<std::__1::vector<int, std::__1::allocator<int>>, std::__1::allocator<std::__1::vector<int, std::__1::allocator<int>>>> const&, std::__1::vector<std::__1::vector<int, std::__1::allocator<int>>, std::__1::allocator<std::__1::vector<int, std::__1::allocator<int>>>> const&)	SetCover_MT_TestSuite.cpp	33	called 12 times
areVectorsEqual(std::__1::vector<int, std::__1::allocator<int>> const&, std::__1::vector<int, std::__1::allocator<int>> const&)	SetCover_MT_TestSuite.cpp	15	called 207 times
backTrack4(Solution*, int, int)	SetCover.c	175	called 526899 times
checkSolution(Solution*)	SetCover.c	240	called 89128 times
containsSubSet(Solution*, int)	SetCover.c	228	called 1044 times
copySolutionToBest()	SetCover.c	166	called 6 times
createSolutionStruct()	SetCover.c	148	called 12 times
greedy()	SetCover.c	67	called 12 times
handle_signal(int)	SetCover_MT_TestSuite.cpp	160	not called
init_args(int, char**)	SetCover.c	350	called 12 times
intHandler(int)	SetCover.c	41	not called
isSame(std::__1::basic_string<char, std::__1::char_traits<char>, 			called

std::__1::allocator<char>>, std::__1::basic_string<char, std::__1::char_traits<char>, std::__1::allocator<char>>)	SetCover_MT_TestSuite.cpp	54	12 times
main	SetCover_MT_TestSuite.cpp	568	called 1 time
numberOfUncoveredElements(int)	SetCover.c	92	called 837 times
printSolution(Solution*)	SetCover.c	252	called 12 times
printSubSet(int)	SetCover.c	262	called 66 times
readGameFile(char const*)	SetCover.c	287	called 12 times
register_signal_handler()	SetCover_MT_TestSuite.cpp	164	called 12 times
removeSubSet(Solution*, int)	SetCover.c	218	called 526887 times
runSetCover(int, char**)	SetCover.c	46	called 12 times
sortSubSets()	SetCover.c	105	called 12 times

Generated by: [GCOVR \(Version 6.0\)](#)