

Test Summary

159 100 0 15.148s 37%

tests failures ignored duration successful

- [Failed tests](#)
- [Packages](#)
- [Classes](#)

Failed tests

- [ExecutionGraphManipulatorTest.testAddingInstructionModifiesStateCorrectly](#)
- [ExecutionGraphManipulatorTest.testAddingInstructionThatCausesNopPaddingToBeAddedModifiesStateCorrectly](#)
- [ExecutionGraphManipulatorTest.testAddingManyNopsAfterGotoModifiesStateCorrectly](#)
- [ExecutionGraphManipulatorTest.testAddingThenRemovingManyNopsAfterGotoModifiesStateCorrectly](#)
- [ExecutionGraphManipulatorTest.testEmptyingATryBlockWithTwoHandlersWhichCreatesNullStartAndEndLocationsIsRemovedWithoutIncident](#)
- [ExecutionGraphManipulatorTest.testHasEveryRegisterAvailableAtEveryAddress](#)
- [ExecutionGraphManipulatorTest.testHasExpectedBasicProperties](#)
- [ExecutionGraphManipulatorTest.testRemoveInstructionThatCausesNopPaddingToBeRemovedAndHasParentWhichWModifiesStateCorrectly](#)
- [ExecutionGraphManipulatorTest.testRemoveInstructionWithNoParentModifiesStateCorrectly](#)
- [ExecutionGraphManipulatorTest.testRemoveInstructionWithParentModifiesStateCorrectly](#)
- [ExecutionGraphManipulatorTest.testReplaceInstructionExecutesNewNodeCorrectly](#)
- [ExecutionGraphManipulatorTest.testReplaceInstructionWithMultipleModifiesStateCorrectly](#)
- [ExecutionGraphManipulatorTest.testReplacingInstructionGetsLabelsAtInsertionAddress](#)
- [ExecutionGraphManipulatorTest.testReplacingInstructionWithDifferentOpcodeWidthModifiesStateCorrectly](#)
- [LauncherTest.runsWithoutMajorFailureWithDexFile](#)
- [LauncherTest.runsWithoutMajorFailureWithSmallFolder](#)
- [ConstantPropigationStrategyTest.\\$KnownValues.addInt2AddrConstantizesToExpectedInstruction](#)
- [ConstantPropigationStrategyTest.\\$KnownValues.addInt2AddrConstantizesToExpectedInstruction](#)
- [ConstantPropigationStrategyTest.\\$KnownValues.canConstantizeAGet](#)
- [ConstantPropigationStrategyTest.\\$KnownValues.canConstantizeAGet](#)
- [ConstantPropigationStrategyTest.\\$KnownValues.canConstantizeSGet](#)
- [ConstantPropigationStrategyTest.\\$KnownValues.canConstantizeSGet](#)
- [ConstantPropigationStrategyTest.\\$KnownValues.moveOpsWithConst16ConstantizesToExpectedInstruction](#)
- [ConstantPropigationStrategyTest.\\$KnownValues.moveOpsWithConst16ConstantizesToExpectedInstruction](#)
- [ConstantPropigationStrategyTest.\\$KnownValues.nonDeterministicallyExecuteConstableOpConstantizesToExpectedInstruction](#)
- [ConstantPropigationStrategyTest.\\$KnownValues.nonDeterministicallyExecuteConstableOpConstantizesToExpectedInstruction](#)
- [ConstantPropigationStrategyTest.\\$UnknownValues.testAGetWithUnknownArrayDoesNotConstantize](#)
- [ConstantPropigationStrategyTest.\\$UnknownValues.testAGetWithUnknownArrayDoesNotConstantize](#)
- [ConstantPropigationStrategyTest.\\$UnknownValues.testAGetWithUnknownIndexDoesNotConstantize](#)
- [ConstantPropigationStrategyTest.\\$UnknownValues.testAGetWithUnknownIndexDoesNotConstantize](#)
- [ConstantPropigationStrategyTest.\\$UnknownValues.testAddInt2AddrDoesNotConstantize](#)
- [ConstantPropigationStrategyTest.\\$UnknownValues.testAddInt2AddrDoesNotConstantize](#)
- [ConstantPropigationStrategyTest.\\$UnknownValues.testIntegerValueOfDoesNotConstantize](#)
- [ConstantPropigationStrategyTest.\\$UnknownValues.testIntegerValueOfDoesNotConstantize](#)
- [ConstantPropigationStrategyTest.\\$UnknownValues.testMoveOpDoesNotConstantize](#)

- [ConstantPropagationStrategyTest\\$UnknownValues.testMoveOpDoesNotConstantize](#)
- [DeadRemovalStrategyTest.detectsDeadCodeWithStrongSideEffect](#)
- [DeadRemovalStrategyTest.detectsDeadNopPadding](#)
- [DeadRemovalStrategyTest.detectsDeadTryCatchBlock](#)
- [DeadRemovalStrategyTest.detectsMoveResultWithUnusedAssignment](#)
- [DeadRemovalStrategyTest.detectsSimpleDeadCode](#)
- [DeadRemovalStrategyTest.detectsUnusedAssignment](#)
- [DeadRemovalStrategyTest.detectsUnusedResultOfMethodInvocationWithSideEffects](#)
- [DeadRemovalStrategyTest.detectsUselessGoto](#)
- [DeadRemovalStrategyTest.detectshUnusedResultOfMethodInvocationWithNoSideEffects](#)
- [DeadRemovalStrategyTest.doesNotDetectAssignmentReassignedInOnlyOneMultiverse](#)
- [DeadRemovalStrategyTest.doesNotDetectInstanceInitializer](#)
- [DeadRemovalStrategyTest.doesNotDetectMoveOpWithOnlyOneRegisterReassigned](#)
- [PeepholeStrategyTest\\$ConstantPredicate.constantPredicateReplacedWithUnconditionalBranch](#)
- [PeepholeStrategyTest\\$ConstantPredicate.constantPredicateReplacedWithUnconditionalBranch](#)
- [PeepholeStrategyTest\\$RemoveUselessCheckCast.activeCheckCastIsNotRemoved](#)
- [PeepholeStrategyTest\\$RemoveUselessCheckCast.activeCheckCastIsNotRemoved](#)
- [PeepholeStrategyTest\\$RemoveUselessCheckCast.activeCheckCastWithMultiplePathsIsNotRemoved](#)
- [PeepholeStrategyTest\\$RemoveUselessCheckCast.activeCheckCastWithMultiplePathsIsNotRemoved](#)
- [PeepholeStrategyTest\\$RemoveUselessCheckCast.uselessCheckCastIsRemoved](#)
- [PeepholeStrategyTest\\$RemoveUselessCheckCast.uselessCheckCastIsRemoved](#)
- [PeepholeStrategyTest\\$RemoveUselessCheckCast.uselessCheckCastWithMultiplePathsRemoved](#)
- [PeepholeStrategyTest\\$RemoveUselessCheckCast.uselessCheckCastWithMultiplePathsRemoved](#)
- [PeepholeStrategyTest\\$ReplaceClassName.testInvokeClassNameForImaginaryClassesReplaced](#)
- [PeepholeStrategyTest\\$ReplaceClassName.testInvokeClassNameForImaginaryClassesReplaced](#)
- [PeepholeStrategyTest\\$ReplaceClassName.testInvokeClassNameForKnownClassesReplaced](#)
- [PeepholeStrategyTest\\$ReplaceClassName.testInvokeClassNameForKnownClassesReplaced](#)
- [PeepholeStrategyTest\\$ReplaceClassName.testInvokeClassNameForLocalClassesReplaced](#)
- [PeepholeStrategyTest\\$ReplaceClassName.testInvokeClassNameForLocalClassesReplaced](#)
- [PeepholeStrategyTest\\$ReplaceClassName.testInvokeClassNameForUnknownValuesNotReplaced](#)
- [PeepholeStrategyTest\\$ReplaceClassName.testInvokeClassNameForUnknownValuesNotReplaced](#)
- [PeepholeStrategyTest\\$stringInit.stringInitWithKnownStringsReplaced](#)
- [PeepholeStrategyTest\\$stringInit.stringInitWithKnownStringsReplaced](#)
- [PeepholeStrategyTest\\$stringInit.stringInitWithUnknownValuesNotReplaced](#)
- [PeepholeStrategyTest\\$stringInit.stringInitWithUnknownValuesNotReplaced](#)
- [UnreflectionStrategyTest\\$fieldUnreflection.testInstanceFieldWithMoveResultOptimizesAsExpected](#)
- [UnreflectionStrategyTest\\$fieldUnreflection.testInstanceFieldWithMoveResultOptimizesAsExpected](#)
- [UnreflectionStrategyTest\\$fieldUnreflection.testStaticFieldWithMoveResultAndWithOneAvailableRegister](#)
- [UnreflectionStrategyTest\\$fieldUnreflection.testStaticFieldWithMoveResultAndWithOneAvailableRegister](#)
- [UnreflectionStrategyTest\\$fieldUnreflection.testStaticFieldWithMoveResultAndWithoutAvailableRegistersDoesNotOptimize](#)
- [UnreflectionStrategyTest\\$fieldUnreflection.testStaticFieldWithMoveResultAndWithoutAvailableRegistersDoesNotOptimize](#)
- [UnreflectionStrategyTest\\$fieldUnreflection.testStaticFieldWithMoveResultOptimizesAsExpected](#)
- [UnreflectionStrategyTest\\$fieldUnreflection.testStaticFieldWithMoveResultOptimizesAsExpected](#)
- [UnreflectionStrategyTest\\$MethodUnreflectionWithImpossibleScenarios.testUnknownMethodsNotOptimized](#)
- [UnreflectionStrategyTest\\$MethodUnreflectionWithImpossibleScenarios.testUnknownMethodsNotOptimized](#)

- [UnreflectionStrategyTest\\$MethodUnreflectionWithImpossibleScenarios.testUnknownParametersOfPublicMethodsNotOptimized](#)
- [UnreflectionStrategyTest\\$MethodUnreflectionWithImpossibleScenarios.testUnknownParametersOfPublicMethodsNotOptimized](#)
- [UnreflectionStrategyTest\\$MethodUnreflectionWithInterfaceMethod.testOptimizesToExpectedLinesWith3LocalsAnd0Available](#)
- [UnreflectionStrategyTest\\$MethodUnreflectionWithInterfaceMethod.testOptimizesToExpectedLinesWith3LocalsAnd0Available](#)
- [UnreflectionStrategyTest\\$MethodUnreflectionWithPrivateInstanceMethod.testOptimizesToExpectedLinesWith3LocalsAnd0Available](#)
- [UnreflectionStrategyTest\\$MethodUnreflectionWithPrivateInstanceMethod.testOptimizesToExpectedLinesWith3LocalsAnd0Available](#)
- [UnreflectionStrategyTest\\$MethodUnreflectionWithPrivateInstanceMethod.testOptimizesToExpectedLinesWith3LocalsAnd0AvailableAndUnknownTarget](#)
- [UnreflectionStrategyTest\\$MethodUnreflectionWithPrivateInstanceMethod.testOptimizesToExpectedLinesWith3LocalsAnd0AvailableAndUnknownTarget](#)
- [UnreflectionStrategyTest\\$MethodUnreflectionWithPrivateStaticMethod.testOptimizesToExpectedLinesWith3LocalsAnd0Available](#)
- [UnreflectionStrategyTest\\$MethodUnreflectionWithPrivateStaticMethod.testOptimizesToExpectedLinesWith3LocalsAnd0Available](#)
- [UnreflectionStrategyTest\\$MethodUnreflectionWithPrivateStaticMethod.testOptimizesToExpectedLinesWith7ContiguousAvailable](#)
- [UnreflectionStrategyTest\\$MethodUnreflectionWithPrivateStaticMethod.testOptimizesToExpectedLinesWith7ContiguousAvailable](#)
- [UnreflectionStrategyTest\\$MethodUnreflectionWithPublicInstanceMethod.testOptimizesToExpectedLinesWith3LocalsAnd0Available](#)
- [UnreflectionStrategyTest\\$MethodUnreflectionWithPublicInstanceMethod.testOptimizesToExpectedLinesWith3LocalsAnd0Available](#)
- [UnreflectionStrategyTest\\$MethodUnreflectionWithPublicInstanceMethod.testOptimizesToExpectedLinesWith7ContiguousAvailable](#)
- [UnreflectionStrategyTest\\$MethodUnreflectionWithPublicInstanceMethod.testOptimizesToExpectedLinesWith7ContiguousAvailable](#)
- [UnreflectionStrategyTest\\$MethodUnreflectionWithZeroParameters.testMethodWithNoParametersOptimizesEvenWithNoRegistersAvailable](#)
- [UnreflectionStrategyTest\\$MethodUnreflectionWithZeroParameters.testMethodWithNoParametersOptimizesEvenWithNoRegistersAvailable](#)
- [UnreflectionStrategyTest\\$MethodUnreflectionWithZeroParameters.testMethodWithNoParametersOptimizesWithManyRegistersAvailable](#)
- [UnreflectionStrategyTest\\$MethodUnreflectionWithZeroParameters.testMethodWithNoParametersOptimizesWithManyRegistersAvailable](#)

Packages

| Package | Tests | Failures | Ignored | Duration | Success rate |
|--|-------|----------|---------|----------|--------------|
| org.cf.simplify | 69 | 16 | 0 | 11.555s | 76% |
| org.cf.simplify.strategy | 90 | 84 | 0 | 3.593s | 6% |

Classes

| Class | Tests | Failures | Ignored | Duration | Success rate |
|--|-------|----------|---------|----------|--------------|
| org.cf.simplify.ConstantBuilderTest\$BuildBoolean | 6 | 0 | 0 | 1.692s | 100% |
| org.cf.simplify.ConstantBuilderTest\$BuildByte | 6 | 0 | 0 | 0.008s | 100% |
| org.cf.simplify.ConstantBuilderTest\$BuildDouble | 6 | 0 | 0 | 0.006s | 100% |
| org.cf.simplify.ConstantBuilderTest\$BuildFloat | 6 | 0 | 0 | 0.006s | 100% |
| org.cf.simplify.ConstantBuilderTest\$BuildInteger | 10 | 0 | 0 | 0.005s | 100% |
| org.cf.simplify.ConstantBuilderTest\$BuildLong | 8 | 0 | 0 | 0s | 100% |
| org.cf.simplify.ConstantBuilderTest\$BuildObject | 4 | 0 | 0 | 0.176s | 100% |
| org.cf.simplify.ConstantBuilderTest\$BuildShort | 6 | 0 | 0 | 0.007s | 100% |
| org.cf.simplify.ExecutionGraphManipulatorTest | 14 | 14 | 0 | 2.112s | 0% |
| org.cf.simplify.LauncherTest | 2 | 2 | 0 | 7.497s | 0% |
| org.cf.simplify.MainTest | 1 | 0 | 0 | 0.046s | 100% |
| org.cf.simplify.strategy.ConstantPropagationStrategyTest\$KnownValues | 10 | 10 | 0 | 0.421s | 0% |
| org.cf.simplify.strategy.ConstantPropagationStrategyTest\$UnitTests | 2 | 0 | 0 | 0.047s | 100% |
| org.cf.simplify.strategy.ConstantPropagationStrategyTest\$UnknownValues | 10 | 10 | 0 | 0.414s | 0% |
| org.cf.simplify.strategy.DeadRemovalStrategyTest | 12 | 12 | 0 | 0.500s | 0% |
| org.cf.simplify.strategy.PeepholeStrategyTest\$ConstantPredicate | 2 | 2 | 0 | 0.068s | 0% |
| org.cf.simplify.strategy.PeepholeStrategyTest\$RemoveUselessCheckCast | 8 | 8 | 0 | 0.276s | 0% |
| org.cf.simplify.strategy.PeepholeStrategyTest\$ReplaceClassForName | 8 | 8 | 0 | 0.307s | 0% |
| org.cf.simplify.strategy.PeepholeStrategyTest\$stringInit | 4 | 4 | 0 | 0.130s | 0% |
| org.cf.simplify.strategy.UnreflectionStrategyTest\$FieldUnreflection | 8 | 8 | 0 | 0.415s | 0% |
| org.cf.simplify.strategy.UnreflectionStrategyTest\$MethodUnreflectionWithImpossibleScenarios | 4 | 4 | 0 | 0.177s | 0% |
| org.cf.simplify.strategy.UnreflectionStrategyTest\$MethodUnreflectionWithInterfaceMethod | 2 | 2 | 0 | 0.083s | 0% |
| org.cf.simplify.strategy.UnreflectionStrategyTest\$MethodUnreflectionWithPrivateInstanceMethod | 4 | 4 | 0 | 0.165s | 0% |
| org.cf.simplify.strategy.UnreflectionStrategyTest\$MethodUnreflectionWithPrivateStaticMethod | 4 | 4 | 0 | 0.211s | 0% |

| | | | | | |
|---|---|---|---|--------|------|
| org.cf.simplify.strategy.UnreflectionStrategyTest\$MethodUnreflectionWithPublicInstanceMethod | 4 | 4 | 0 | 0.190s | 0% |
| org.cf.simplify.strategy.UnreflectionStrategyTest\$MethodUnreflectionWithZeroParameters | 4 | 4 | 0 | 0.151s | 0% |
| org.cf.simplify.strategy.UnreflectionStrategyTest\$TestProtectedMethods | 4 | 0 | 0 | 0.038s | 100% |

Wrap lines

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