**Generation of test cases without any time limit**

java -classpath .:./jpacman-framework.jar:./randoop-all-4.0.4.jar randoop.main.Main gentests --classlist=pacmanclasses-bak.txt --flaky-test-behavior=DISCARD --usethreads

**Output Generated**

Nandhinis-Air:randoop-4.0.4 nandhini$ java -classpath .:./jpacman-framework.jar:./randoop-all-4.0.4.jar randoop.main.Main gentests --classlist=pacmanclasses-bak.txt --flaky-test-behavior=DISCARD --usethreads

WARNING: An illegal reflective access operation has occurred

WARNING: Illegal reflective access by randoop.util.Randomness (file:/Users/nandhini/Downloads/randoop-4.0.4/randoop-all-4.0.4.jar) to field java.util.Random.seed

WARNING: Please consider reporting this to the maintainers of randoop.util.Randomness

WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations

WARNING: All illegal access operations will be denied in a future release

Ignoring abstract class nl.tudelft.jpacman.game.Game specified via --classlist or --testclass.

Ignoring abstract class nl.tudelft.jpacman.board.Square specified via --classlist or --testclass.

Ignoring interface nl.tudelft.jpacman.sprite.Sprite specified via --classlist or --testclass; provide classes, not interfaces.

PUBLIC MEMBERS=48

Explorer = randoop.generation.ForwardGenerator(allSequences.size()=0,observers.size()=0,subsumed\_sequences.size()=0,runtimePrimitivesSeen.size()=38)

Progress update: steps=1, test inputs generated=0, failing inputs=0 (Wed Jun 27 19:22:42 PDT 2018)

Progress update: steps=1000, test inputs generated=420, failing inputs=4

Progress update: steps=1827, test inputs generated=754, failing inputs=4 (Wed Jun 27 19:23:42 PDT 2018)

Progress update: steps=2000, test inputs generated=822, failing inputs=4

Progress update: steps=2941, test inputs generated=1236, failing inputs=6 (Wed Jun 27 19:24:22 PDT 2018)

Normal method executions: 601116

Exceptional method executions: 499

Average method execution time (normal termination): 0.0913

Average method execution time (exceptional termination): 0.307

**Error-revealing test output:**

**Error-revealing test count: 6**

Writing JUnit tests...

Created file /Users/nandhini/Downloads/randoop-4.0.4/ErrorTest0.java

Created file /Users/nandhini/Downloads/randoop-4.0.4/ErrorTest.java

Regression test output:

Regression test count: 779

Writing JUnit tests...

Throwable thrown while handling command: java.lang.Error: Timed out: RegressionTest0

java.lang.Error: Timed out: RegressionTest0

at randoop.output.FailingTestFilter.writeClassCode(FailingTestFilter.java:118)

at randoop.main.GenTests.writeTestFiles(GenTests.java:597)

at randoop.main.GenTests.handle(GenTests.java:508)

at randoop.main.Main.nonStaticMain(Main.java:66)

at randoop.main.Main.main(Main.java:30)

**Randoop failed.**

Last sequence under execution:

nl.tudelft.jpacman.sprite.Sprite sprite0 = null;

nl.tudelft.jpacman.sprite.Sprite[] spriteArray1 = new nl.tudelft.jpacman.sprite.Sprite[] { sprite0 };

nl.tudelft.jpacman.sprite.AnimatedSprite animatedSprite4 = new nl.tudelft.jpacman.sprite.AnimatedSprite(spriteArray1, (int)(byte)10, true);

nl.tudelft.jpacman.sprite.AnimatedSprite animatedSprite7 = new nl.tudelft.jpacman.sprite.AnimatedSprite(spriteArray1, 0, true);

nl.tudelft.jpacman.sprite.AnimatedSprite animatedSprite10 = new nl.tudelft.jpacman.sprite.AnimatedSprite(spriteArray1, 100, false);

nl.tudelft.jpacman.sprite.AnimatedSprite animatedSprite13 = new nl.tudelft.jpacman.sprite.AnimatedSprite(spriteArray1, (int)(byte)-1, true);

nl.tudelft.jpacman.sprite.AnimatedSprite animatedSprite17 = new nl.tudelft.jpacman.sprite.AnimatedSprite(spriteArray1, (int)' ', true, true);

nl.tudelft.jpacman.sprite.Sprite sprite18 = null;

nl.tudelft.jpacman.sprite.Sprite[] spriteArray19 = new nl.tudelft.jpacman.sprite.Sprite[] { sprite18 };

nl.tudelft.jpacman.sprite.AnimatedSprite animatedSprite22 = new nl.tudelft.jpacman.sprite.AnimatedSprite(spriteArray19, (int)(byte)10, true);

animatedSprite22.setAnimating(false);

animatedSprite22.restart();

java.lang.Class<?> wildcardClass26 = animatedSprite22.getClass();

nl.tudelft.jpacman.sprite.Sprite sprite27 = null;

nl.tudelft.jpacman.sprite.Sprite[] spriteArray28 = new nl.tudelft.jpacman.sprite.Sprite[] { sprite27 };

nl.tudelft.jpacman.sprite.AnimatedSprite animatedSprite31 = new nl.tudelft.jpacman.sprite.AnimatedSprite(spriteArray28, (int)(byte)10, true);

nl.tudelft.jpacman.sprite.AnimatedSprite animatedSprite35 = new nl.tudelft.jpacman.sprite.AnimatedSprite(spriteArray28, (int)' ', false, false);

nl.tudelft.jpacman.sprite.AnimatedSprite animatedSprite39 = new nl.tudelft.jpacman.sprite.AnimatedSprite(spriteArray28, (int)'#', false, false);

nl.tudelft.jpacman.sprite.AnimatedSprite animatedSprite43 = new nl.tudelft.jpacman.sprite.AnimatedSprite(spriteArray28, (int)'a', true, true);

nl.tudelft.jpacman.sprite.AnimatedSprite animatedSprite46 = new nl.tudelft.jpacman.sprite.AnimatedSprite(spriteArray28, (int)(byte)10, true);

nl.tudelft.jpacman.sprite.Sprite sprite47 = null;

nl.tudelft.jpacman.sprite.Sprite[] spriteArray48 = new nl.tudelft.jpacman.sprite.Sprite[] { sprite47 };

nl.tudelft.jpacman.sprite.AnimatedSprite animatedSprite51 = new nl.tudelft.jpacman.sprite.AnimatedSprite(spriteArray48, (int)(byte)10, true);

nl.tudelft.jpacman.sprite.AnimatedSprite animatedSprite54 = new nl.tudelft.jpacman.sprite.AnimatedSprite(spriteArray48, 0, true);

nl.tudelft.jpacman.sprite.AnimatedSprite animatedSprite57 = new nl.tudelft.jpacman.sprite.AnimatedSprite(spriteArray48, 100, false);

nl.tudelft.jpacman.sprite.AnimatedSprite animatedSprite60 = new nl.tudelft.jpacman.sprite.AnimatedSprite(spriteArray48, (int)'4', false);

nl.tudelft.jpacman.sprite.Sprite[] spriteArray61 = new nl.tudelft.jpacman.sprite.Sprite[] { animatedSprite60 };

nl.tudelft.jpacman.sprite.AnimatedSprite animatedSprite65 = new nl.tudelft.jpacman.sprite.AnimatedSprite(spriteArray61, (int)(short)0, false, true);

nl.tudelft.jpacman.sprite.AnimatedSprite animatedSprite68 = new nl.tudelft.jpacman.sprite.AnimatedSprite(spriteArray61, (int)(short)100, false);

nl.tudelft.jpacman.sprite.Sprite[] spriteArray69 = new nl.tudelft.jpacman.sprite.Sprite[] { animatedSprite17, animatedSprite22, animatedSprite46, animatedSprite68 };

nl.tudelft.jpacman.sprite.AnimatedSprite animatedSprite72 = new nl.tudelft.jpacman.sprite.AnimatedSprite(spriteArray69, (int)(short)0, false);

nl.tudelft.jpacman.sprite.AnimatedSprite animatedSprite76 = new nl.tudelft.jpacman.sprite.AnimatedSprite(spriteArray69, (int)'a', true, true);

animatedSprite76.restart();

**Compiling the generated error test cases:**

javac -cp junit-4.12.jar:.:./jpacman-framework.jar ErrorTest.java

**Run the error test case:**

java -cp .:junit-4.12.jar:hamcrest-core-1.3.jar:./jpacman-framework.jar org.junit.runner.JUnitCore ErrorTest >>/tmp/jpacmanerrorrevealingtest