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94% coverage

The screenshot displays the IntelliJ IDEA IDE with the following components:

- Project Explorer:** Shows the project structure with folders like 'src', 'out', and 'tests'. The 'tests' folder is expanded, showing 'GameTest' and its methods.
- Code Editor:** Displays the source code for 'GameTest.java'. It includes several test methods such as 'testIsPlayer()', 'testIsDeadlock()', and 'testMakeMoveAndWin()'. The code uses assertions to verify game state.
- Coverage:** A table on the right side of the IDE shows the coverage for all tests. It indicates that 93% of classes and 94% of lines are covered in the scope.
- Run Console:** At the bottom, the console shows the output of the test run, including the command 'Tests passed: 47 of 47 tests - 124 ms'.

Element	Class %	Method %	Line %
Exceptions	100% (4/4)	100% (16/16)	100% (188)
Map	100% (10/10)	100% (29/29)	100% (228)
META-INF	100% (0/0)	100% (0/0)	100% (0/0)
Game	100% (1/1)	100% (6/6)	100% (107)
Runner	0% (0/1)	0% (0/1)	0% (0/21)

Distinct crashes: 5

- 1) Different new line separator, which windows only recognize carriage return.
- 2) The game never ends with the ID of crates and destTiles doesn't match.

[illegible]

- 3) The number of crates and destTile doesn't match
- 4) The first digit is a negative number

```
Windows PowerShell
PS C:\Users\Kin Ip Mong\Downloads\Y3_2018 Fall\COMP3021\PA1\PA1 Obfuscated> java -jar .\PA1_obfuscated.jar crashmap4.txt
Loading map: crashmap4.txt
-1
10
Exception in thread "main" java.lang.NegativeArraySizeException
    at a.a(Unknown Source)
    at Runner.main(Unknown Source)
PS C:\Users\Kin Ip Mong\Downloads\Y3_2018 Fall\COMP3021\PA1\PA1 Obfuscated> java -jar .\PA1_obfuscated.jar crashmap3.txt
Loading map: crashmap3.txt
9
10
.###.....
..C#.....
..#####
###c.d.D##
#B..#####
###a#....
...#.#....
...A#....
...##....
Enter a valid move [wasdr]: _
```

5) The first digit is not an integer

```
Windows PowerShell
PS C:\Users\Kin Ip Mong\Downloads\Y3_2018 Fall\COMP3021\PA1\PA1 Obfuscated> java -jar .\PA1_obfuscated.jar crashmap5.txt
Loading map: crashmap5.txt
Exception in thread "main" java.util.InputMismatchException
    at java.base/java.util.Scanner.throwFor(Unknown Source)
    at java.base/java.util.Scanner.next(Unknown Source)
    at java.base/java.util.Scanner.nextInt(Unknown Source)
    at java.base/java.util.Scanner.nextInt(Unknown Source)
    at a.a(Unknown Source)
    at Runner.main(Unknown Source)
PS C:\Users\Kin Ip Mong\Downloads\Y3_2018 Fall\COMP3021\PA1\PA1 Obfuscated>
```

Crashmap1.txt

9

10

..###.....

..#C#.....

..#.#####

###c.d.D##

#B.b@#####

####a#....

...#.#....

...#A#....

...###....

Crashmap2.txt

9

10

..###.....

..#C#....

..#.#####

###c.d.D##

#B.a@#####

####a#....

...#.#....

...#A#....

...###....

Crashmap3.txt

9

10

..###.....

..#C#....

..#.#####

###c.d.D##

#B..@#####

####a#....

...#.#....

...#A#....

...###....

Crashmap4.txt

-1

10

..####c#..

..#Cab....

..#.....#

###...D##

#B..@#####

####.#....

...#.#....

...#A#....

...###....

Crashmap5.txt

9.1

10

..####.#..

..#C.....

..#.....#

###a..bD##

#Bc.@#####

####.#....

...#d#....

...#A#....

...###....