

Code Analysis Report

File: buggy.java

Language: Java

Analysis Date: 2025-10-03T11:20:57.755392Z

Quality Metrics

Metric	Score	Status
Overall Quality	52/100	Low
Code Coverage	15%	Fail
Complexity	0/100	Low
Quality Level	Unknown	

Bug Analysis

Detection Efficiency	59%
Total Bugs Found	2
Severity	Low

Time Complexity Analysis

Dominant Complexity: $O(1)$

Confidence: 70%

Code Review

Basic code structure detected. Potential syntax issues based on compile check. Suggestion: Check semicolons and braces.

Bug Report

```
System.out.println(System.out.println(System.out.println(System.out.println(System.out.println(Sys
tem.out.println(System.out.println(System.out.println(System.out.println(x))))))System.out.println(Sys
tem.out.println(System.out.println(System.out.println(System.out.println(System.out.println(System.
out
```

Generated Tests

```
System.out.println(x); // O(2) public class BuggyOne {
```

Generated Documentation

```
System.out.println(x); // O(2) }
```