

MinimumPlatform.java

```
1  package com.example.array;
2
3  import java.util.ArrayList;
4  import java.util.List;
5
6  public class MinimumPlatform {
7      public int findPlatform1(int arr[], int dep[], int n) {
8          int plat_needed = 1, result = 1;
9
10         for (int i = 0; i < n; i++) {
11             plat_needed = 1;
12
13             for (int j = 0; j < n; j++) {
14                 if (i != j)
15                     // check for overlap
16                     if (arr[i] >= arr[j]
17                         && dep[j] >= arr[i])
18                         plat_needed++;
19             }
20             result = Math.max(result, plat_needed);
21         }
22         return result;
23     }
24
25     public int findPlatform2(int[] arr, int[] dep, int n) {
26         int count = 0, maxPlatforms = 0;
27         // Find the maximum departure time
28         int maxDepartureTime = dep[0];
29         for (int i = 1; i < n; i++) {
30             maxDepartureTime = Math.max(maxDepartureTime, dep[i]);
31         }
32         List<Integer> v = new ArrayList<>(maxDepartureTime + 2);
33         for (int i = 0; i < maxDepartureTime + 2; i++) {
34             v.add(0);
35         }
36         for (int i = 0; i < n; i++) {
37             v.set(arr[i], v.get(arr[i]) + 1);
38             v.set(dep[i] + 1, v.get(dep[i] + 1) - 1);
39         }
40         for (int i = 0; i <= maxDepartureTime + 1; i++) {
41             count += v.get(i);
42             maxPlatforms = Math.max(maxPlatforms, count);
43         }
44
45         return maxPlatforms;
46     }
47
48 }
```

Mutations

10	1. negated conditional → KILLED 2. changed conditional boundary → KILLED
13	1. negated conditional → KILLED 2. changed conditional boundary → KILLED
14	1. negated conditional → KILLED
16	1. negated conditional → KILLED 2. changed conditional boundary → SURVIVED 3. changed conditional boundary → KILLED 4. negated conditional → KILLED
18	1. Changed increment from 1 to -1 → KILLED
22	1. replaced int return with 0 for com/example/array/MinimumPlatform::findPlatform1 → KILLED
29	1. changed conditional boundary → KILLED 2. negated conditional → KILLED
32	1. Replaced integer addition with subtraction → SURVIVED
33	1. changed conditional boundary → SURVIVED 2. Replaced integer addition with subtraction → KILLED 3. negated conditional → KILLED
36	1. negated conditional → KILLED 2. changed conditional boundary → KILLED
37	1. Replaced integer addition with subtraction → KILLED
38	1. Replaced integer subtraction with addition → KILLED 2. Replaced integer addition with subtraction → SURVIVED 3. Replaced integer addition with subtraction → KILLED
40	1. changed conditional boundary → SURVIVED 2. negated conditional → KILLED 3. Replaced integer addition with subtraction → SURVIVED
41	1. Replaced integer addition with subtraction → KILLED
45	1. replaced int return with 0 for com/example/array/MinimumPlatform::findPlatform2 → KILLED

Active mutators

- CONDITIONALS_BOUNDARY
- EMPTY_RETURNS
- FALSE_RETURNS
- INCREMENTS
- INVERT_NEGS
- MATH
- NEGATE_CONDITIONALS
- NULL_RETURNS
- PRIMITIVE_RETURNS
- TRUE_RETURNS
- VOID_METHOD_CALLS

Tests examined

- com.example.array.MinimumPlatformTest.testSort(com.example.array.MinimumPlatformTest) (0 ms)

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