

AlgoExpert

Quad Layout

Java

14px

Sublime

00:00:00

Our Solution(s)

Run Code

Solution 1

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 class Program {
4     // O(n) time | O(1) space - where n is the length of the input
5     public static boolean hasSingleCycle(int[] array) {
6         int numElementsVisited = 0;
7         int currentIdx = 0;
8         while (numElementsVisited < array.length) {
9             if (numElementsVisited > 0 && currentIdx == 0) return false;
10            numElementsVisited++;
11            currentIdx = getNextIdx(currentIdx, array);
12        }
13        return currentIdx == 0;
14    }
15
16    public static int getNextIdx(int currentIdx, int[] array) {
17        int jump = array[currentIdx];
18        int nextIdx = (currentIdx + jump) % array.length;
19        return nextIdx >= 0 ? nextIdx : nextIdx + array.length;
20    }
21 }
22
```

Your Solutions

Run Code

Solution 1

Solution 2

Solution 3

```
1 class Program {
2     public static boolean hasSingleCycle(int[] array) {
3         // Write your code here.
4         return false;
5     }
6 }
7
```

Our Tests

Custom Output

Submit Code

```
1 #Test
2 #Test
3 #Test
4 #Test
5 #Test
6 #Test
7 #Test
8 #Test
9 #Test
10 #Test
11 #Test
12 #Test
13 #Test
14 #Test
15 #Test
16 #Test
17 #Test
18 #Test
19 #Test
20 #Test
21 #Test
22 #Test
23 #Test
24 #Test
25 #Test
26 #Test
27 #Test
28 #Test
29 #Test
30 #Test
31 #Test
32 #Test
33 #Test
34 #Test
35 #Test
36 #Test
37 #Test
38 #Test
39 #Test
40 #Test
41 #Test
42 #Test
43 #Test
44 #Test
45 #Test
46 #Test
47 #Test
48 #Test
49 #Test
50 #Test
51 #Test
52 #Test
53 #Test
54 #Test
55 #Test
56 #Test
57 #Test
58 #Test
59 #Test
60 #Test
61 #Test
62 #Test
63 #Test
64 #Test
65 #Test
66 #Test
67 #Test
68 #Test
69 #Test
70 #Test
71 #Test
72 #Test
73 #Test
74 #Test
75 #Test
76 #Test
77 #Test
78 #Test
79 #Test
80 #Test
81 #Test
82 #Test
83 #Test
84 #Test
85 #Test
86 #Test
87 #Test
88 #Test
89 #Test
90 #Test
91 #Test
92 #Test
93 #Test
94 #Test
95 #Test
96 #Test
97 #Test
98 #Test
99 #Test
100 #Test
```

Run or submit code when you're ready.