AlgoExpert

Solution 1

26

Quad Layout

++

12px

Sublime

Solution 3

Monokai

00:00:

Run Code

Our Solution(s) Run Code

Your Solutions

Solution 1 Solution 2

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
    #include <vector>
    using namespace std;
    int getNextIdx(int currentIdx, vector<int> array);
     // O(n) time | O(1) space - where n is the length of the input array
    bool hasSingleCycle(vector<int> array) {
       int numElementsVisited = 0;
       int currentIdx = 0;
12
       while (numElementsVisited < array.size()) {</pre>
13
        if (numElementsVisited > 0 && currentIdx == 0)
14
          return false;
         numElementsVisited++;
16
        currentIdx = getNextIdx(currentIdx, array);
17
18
      return currentIdx == 0;
19
20
21
    int getNextIdx(int currentIdx, vector<int> array) {
22
      int jump = array[currentIdx];
      int nextIdx = (currentIdx + jump) % (int)array.size();
return nextIdx >= 0 ? nextIdx : nextIdx + array.size();
24
25
```

```
using namespace std;

bool hasSingleCycle(vector<int> array) {
    // Write your code here.
    return -1;
}
```

Custom Output Raw Output Submit Code

Run or submit code when you're ready.