

Solution 1

```
1 # Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 # O(n) time | O(1) space - where n is the length of the input array
4 def hasSingleCycle(array):
5     numElementsVisited = 0
6     currentIdx = 0
7     while numElementsVisited < len(array):
8         if numElementsVisited > 0 and currentIdx == 0:
9             return False
10        numElementsVisited += 1
11        currentIdx = getNextIdx(currentIdx, array)
12    return currentIdx == 0
13
14
15 def getNextIdx(currentIdx, array):
16     jump = array[currentIdx]
17     nextIdx = (currentIdx + jump) % len(array)
18     return nextIdx if nextIdx >= 0 else nextIdx + len(array)
19
```

Solution 1 Solution 2 Solution 3

```
1 def hasSingleCycle(array):
2     # Write your code here.
3     pass
4
```

Run or submit code when you're ready.