







Contiguous Array

Submission Detail

Status: Time Limit Exceeded 24 / 555 test cases passed. Submitted: 0 minutes ago Last executed input: ,1,1,1,0,0,0,0,1,0,0,0,1,1,1,1,0,1,1,0,1,1,1,0,0,1,0,1,1,1,0,0,1,1,0,0,1,1,0,1,1,1,1,0,1,1,1,1,1,0,0,0,1 .1.1.0.1.1.0.1.0.0.1.1.1.1.0.0.1.0.0.0.0.0.0.0.1.1.0.0.0.0.0.0.0.0.0.0.1.1.0.0.1.1.0.0.1.1.0.1.1.0.1.1.0.0.1.1.1.0.0.1.1.1.0

Submitted Code: 0 minutes ago

Language: swift

```
Edit Code
 1 struct LazyRangeGenerator {
        private let low: Int
        private let high: Int
        private var currentLow: Int
        private var currentHigh: Int
        var length: Int? {
            didSet {
10
                currentLow = low
11
                currentHigh = high
12
13
14
15
        init(low: Int, high: Int) {
16
            self.low = low
            self.high = high
17
            currentLow = low
18
            currentHigh = high
19
20
21
22
        mutating func next() -> ClosedRange<Int>? {
23
            guard let length = length else { return nil }
24
            guard currentLow+length-1 <= high else { return nil }</pre>
25
            defer {
26
                currentLow += 1
27
28
            return currentLow...currentLow+length-1
29
30 }
31
   class Solution {
33
34
        func qualifies(_ nums: ArraySlice<Int>) -> Bool {
35
            return nums.reduce(0, +) == nums.count/2
36
37
38
        func findMaxLength(_ nums: [Int]) -> Int {
            guard nums.count > 0 else { return 0 }
39
40
            var lazyRangeGenerator = LazyRangeGenerator(low: 0, high: nums.count-1)
41
42
            var currentLength = nums.count
            while currentLength > 1 {
43
                guard currentLength % 2 == 0 else {
44
                    currentLength -= 1
45
46
                    continue
47
48
                lazyRangeGenerator.length = currentLength
49
50
                while let range = lazyRangeGenerator.next() {
51
                    let subarray = nums[range]
                    if qualifies(subarray) {
52
                        return subarray.count
53
54
55
56
                currentLength -= 1
57
58
59
            return 0
60
61 }
```

Back to problem