

Our Solution(s)	Run Code	Your Solutions	Run Code
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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 array
5     func longestPeak(array: [Int]) -> Int {
6         var longestPeakLength = 0
7         var i = 1
8         while i < array.count - 1 {
9             let isPeak = array[i - 1] < array[i] && array[i] > array[i + 1]
10            if !isPeak {
11                i += 1
12                continue
13            }
14
15            var leftIdx = i - 2
16            while leftIdx >= 0, array[leftIdx] < array[leftIdx + 1] {
17                leftIdx -= 1
18            }
19
20            var rightIdx = i + 2
21            while rightIdx < array.count, array[rightIdx] < array[rightIdx - 1] {
22                rightIdx += 1
23            }
24
25            let currentPeakLength = rightIdx - leftIdx - 1
26            if currentPeakLength > longestPeakLength {
27                longestPeakLength = currentPeakLength
28            }
29            i = rightIdx
30        }
31        return longestPeakLength
32    }
33 }
34
```

Solution 1   Solution 2   Solution 3

```
1 class Program {
2     func longestPeak(array: [Int]) -> Int {
3         // Write your code here.
4         return -1
5     }
6 }
7
```

Custom Output

Raw Output

Submit Code

**Run or submit code when you're ready.**