Our Solution(s)   Run Code

Solution 1

```javascript
// Copyright © 2020 AlgoExpert, LLC. All rights reserved.

// O(n) time | O(1) space - where n is the length of the input array
function longestPeak(array) {
  let longestPeakLength = 0;
  let i = 1;
  while (i < array.length - 1) {
    const isPeak = array[i - 1] < array[i] && array[i + 1] < array[i];
    if (!isPeak) {
      i++;
      continue;
    }

    let leftIdx = i - 2;
    while (leftIdx >= 0 && array[leftIdx] < array[leftIdx + 1]) {
      leftIdx--;
    }
    let rightIdx = i + 2;
    while (rightIdx < array.length && array[rightIdx] < array[rightIdx - 1]) {
      rightIdx++;
    }

    const currentPeakLength = rightIdx - leftIdx - 1;
    longestPeakLength = Math.max(longestPeakLength, currentPeakLength);
    i = rightIdx;
  }
  return longestPeakLength;
}

exports.longestPeak = longestPeak;
```

Your Solutions

Solution 1   Solution 2   Solution 3

```javascript
function longestPeak(array) {
  // Write your code here.
}

// Do not edit the line below.
exports.longestPeak = longestPeak;
```

Run Code

Custom Output   Raw Output   Submit Code

Run or submit code when you're ready.