AlgoExpert Quad Layout Java 12px Sublime Monokai 00:00:0

Our Solution(s) Run Code

Solution 1

```java
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class Program {
  // O(n) time | O(1) space - where n is the length of the input array
  public static int longestPeak(int[] array) {
    int longestPeakLength = 0;
    int i = 1;
    while (i < array.length - 1) {
      boolean isPeak = array[i - 1] < array[i] && array[i] > array[i + 1];
      if (!isPeak) {
        i += 1;
        continue;
      }

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

      int rightIdx = i + 2;
      while (rightIdx < array.length && array[rightIdx] < array[rightIdx - 1]) {
        rightIdx += 1;
      }
      int currentPeakLength = rightIdx - leftIdx - 1;
      if (currentPeakLength > longestPeakLength) {
        longestPeakLength = currentPeakLength;
      }
      i = rightIdx;
    }
    return longestPeakLength;
  }
}

```

Your Solutions Run Code

Solution 1 Solution 2 Solution 3

```java
class Program {
  public static int longestPeak(int[] array) {
    // Write your code here.
    return -1;
  }
}

```

Custom Output Raw Output Submit Code

Run or submit code when you're ready.