

A subarray is a contiguous non-empty sequence of elements within an array.

Example 1:

```
Input: nums = [2,5,7,8,9,2,3,4,3,1]
```

Output: 3

Explanation:

- The subarray starting at index 2 is [7, 8, 9], which is strictly increasing.
- The subarray starting at index 5 is [2, 3, 4], which is also strictly increasing.
- These two subarrays are adjacent, and 3 is the **maximum** possible value of k for which two such adjacent strictly increasing subarrays exist.

Example 2:

```
Input: nums = [1,2,3,4,4,4,4,5,6,7]
```

Output: 2

Explanation:

- The subarray starting at index 0 is [1, 2], which is strictly increasing.
- The subarray starting at index 2 is [3, 4], which is also strictly increasing.
- These two subarrays are adjacent, and 2 is the **maximum** possible value of k for which two such adjacent strictly increasing subarrays exist.

Python:

class Solution:

```
def maxIncreasingSubarrays(self, nums: List[int]) -> int:
    n, Len, prev, k=len(nums), 1, 0, 0
    for i in range(1, n):
        if nums[i]>nums[i-1]: Len+=1
        else:
            k=max(k, Len//2, min(Len, prev))
            prev=Len
            Len=1
    return max(k, Len//2, min(Len, prev))
```

JavaScript:

```
var maxIncreasingSubarrays = function(nums) {
  let n = nums.length, up = 1, preUp = 0, res = 0;
  for (let i = 1; i < n; i++) {
     if (nums[i] > nums[i-1]) up++;
     else {
       preUp = up;
       up = 1;
     let half = up >> 1;
     let m = Math.min(preUp, up);
     let candidate = Math.max(half, m);
     if (candidate > res) res = candidate;
  }
  return res;
};
Java:
class Solution {
  public int maxIncreasingSubarrays(List<Integer> nums) {
     int n = nums.size();
     int up = 1, preUp = 0, res = 0;
     for (int i = 1; i < n; i++) {
       if (nums.get(i) > nums.get(i - 1)) {
          up++;
       } else {
          preUp = up;
          up = 1;
       int half = up >> 1;
       int min = preUp < up ? preUp : up;
       int candidate = half > min ? half : min;
       if (candidate > res) res = candidate;
     }
     return res;
}
```