2962. Count Subarrays Where Max Element Appears at Least K Times

Solved

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You are given an integer array `nums` and a **positive** integer `k`.

Return *the number of subarrays where the **maximum** element of* `nums` *appears **at least*** `k` *times in that subarray.*

A **subarray** is a contiguous sequence of elements within an array.

Example 1:

```
Input: nums = [1,3,2,3,3], k = 2
Output: 6
Explanation: The subarrays that contain the element 3 at least
2 times are: [1,3,2,3], [1,3,2,3,3], [3,2,3], [3,2,3,3],
[2,3,3] and [3,3].
```

Sliding Window

```
class Solution {
    func countSubarrays(_ nums: [Int], _ k: Int) -> Int {
        var ans = 0
        var j = 0
        var count = 0
        let m = nums.max()
        let n = nums.count
        for i in (0..<nums.count) {
            if(nums[i] == m) {
                count = count + 1
            }
            if(count >= k){
                ans = ans + n - i
                while(j<=i && count >= k){
                    if(nums[j] == m){
                        count = count - 1
                    }
                    j = j + 1
                    if(count >= k){
                        ans = ans + n - i
                    }
                }
```

```
            }
        }

        return ans
    }
}
```