

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

Solved ●

Medium



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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]`.

Example 2:

Input: `nums = [1,4,2,1]`, `k = 3`

Output: 0

Explanation: No subarray contains the element 4 at least 3 times.

Constraints:

- $1 \leq \text{nums.length} \leq 10^5$
- $1 \leq \text{nums}[i] \leq 10^6$
- $1 \leq k \leq 10^5$

Seen this question in a real interview before? 1/4

Yes No

Accepted 66K Submissions 117.8K Acceptance Rate 56.0%

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Discussion (113)



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