1063. Number of Valid Subarrays Premium **©** Companies ∩ Hint ○ Topics Given an integer array nums, return the number of non-empty subarrays with the leftmost element of the subarray not larger than other elements in the subarray. A **subarray** is a **contiguous** part of an array. Example 1: **Input:** nums = [1,4,2,5,3]Output: 11 Explanation: There are 11 valid subarrays: [1],[4],[2],[5],[3],[1,4],[2,5],[1,4,2], [2,5,3],[1,4,2,5],[1,4,2,5,3]. Example 2: **Input:** nums = [3,2,1]Output: 3 Explanation: The 3 valid subarrays are: [3],[2],[1]. Example 3: **Input:** nums = [2,2,2]Output: 6 Explanation: There are 6 valid subarrays: [2], [2], [2], [2,2], [2,2], [2,2,2]. Constraints: 1 <= nums.length <= 5 * 10⁴ • 0 <= nums[i] <= 10⁵ Seen this question in a real interview before? 1/5 Yes No Accepted 15.3K Submissions 19.3K Acceptance Rate 79.1% Topics Array Stack Monotonic Stack Companies 0 - 6 months Hulu 2 6 months ago Amazon 4 Hint 1 Given a data structure that answers queries of the type to find the minimum in a range of an array (Range minimum query (RMQ) sparse table) in O(1) time. How can you solve this problem? Hint 2 For each starting index do a binary search with an RMQ to find the ending possible position. **E** Similar Questions Number of Smooth Descent Periods of a Stock Medium Discussion (12)

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