2519. Count the Number of K-Big Indices Premium Hard ♥ Topics ② Companies ۞ Hint You are given a **0-indexed** integer array nums and a positive integer k. We call an index i k-big if the following conditions are satisfied: • There exist at least k different indices idx1 such that idx1 < i and nums[idx1] < nums[i]. There exist at least k different indices idx2 such that idx2 > i and nums[idx2] < nums[i]. Return the number of k-big indices. Example 1: **Input:** nums = [2,3,6,5,2,3], k = 2 Output: 2 Explanation: There are only two 2-big indices in nums: -i=2 --> There are two valid idx1: 0 and 1. There are three valid idx2: 2, 3, and 4. - i = 3 --> There are two valid idx1: 0 and 1. There are two valid idx2: 3 and 4. Example 2: **Input:** nums = [1,1,1], k = 3 Output: 0 Explanation: There are no 3-big indices in nums. Constraints: • 1 <= nums.length <= 10⁵ 1 <= nums[i], k <= nums.length Seen this question in a real interview before? 1/5 Yes No Acceptance Rate 53.3% Submissions 15K Accepted 8K **O** Topics Array Binary Search Divide and Conquer Binary Indexed Tree Segment Tree Merge Sort Ordered Set Companies 0 - 6 months Amazon 2 Q Hint 1 The intended solution uses Fenwick Tree. O Hint 2 Let's describe the solution for counting the number of elements smaller than nums[i] in the range [0, i - 1], and counting in the range [i + 1, nums.length - 1] can be done similarly by simply reversing the array. Q Hint 3 Iterate from left to right and maintain the Fenwick Tree. Save the value of the query(nums[i]) and update nums[i] + 1 by 1. ₩ Similar Questions Count of Smaller Numbers After Self Find All Good Indices Discussion (6)

Copyright © 2024 LeetCode All rights reserved