2524. Maximum Frequency Score of a Subarray Premium Hard ♥ Topics ② Companies ۞ Hint You are given an integer array nums and a **positive** integer k. The **frequency score** of an array is the sum of the **distinct** values in the array raised to the power of their **frequencies**, taking the sum **modulo** 10° + 7. • For example, the frequency score of the array [5,4,5,7,4,4] is $(4^3 + 5^2 + 7^1)$ modulo $(10^9 + 7) = 96$. Return the maximum frequency score of a subarray of size k in nums. You should maximize the value under the modulo and not the actual value. A **subarray** is a contiguous part of an array. Example 1: **Input:** nums = [1,1,1,2,1,2], k = 3 Output: 5 Explanation: The subarray [2,1,2] has a frequency score equal to 5. It can be shown that it is the maximum frequency score we can have. Example 2: **Input:** nums = [1,1,1,1,1,1], k = 4 Output: 1 Explanation: All the subarrays of length 4 have a frequency score equal to 1. Constraints: • 1 <= k <= nums.length <= 10⁵ • $1 \le nums[i] \le 10^6$ Seen this question in a real interview before? 1/5 Yes No Accepted 1.1K Submissions 3K Acceptance Rate 37.8% ♥ Topics Array Hash Table Math Sliding Window **Companies** 0 - 6 months PayPal 2 Q Hint 1 Calculate the frequency score of each subarray of size k and return the maximum one.

Use the sliding window technique to keep the frequency scores.

O Hint 2

Discussion (2)