3346. Maximum Frequency of an Element After Performing Operations I

Solved

Medium

Topics



You are given an integer array nums and two integers k and numOperations.

You must perform an **operation** numOperations times on nums, where in each operation you:

- Select an index i that was **not** selected in any previous operations.
- Add an integer in the range [-k, k] to nums[i].

Return the maximum possible frequency of any element in nums after performing the operations.

Example 1:

Input: nums = [1,4,5], k = 1, numOperations = 2

Output: 2

Explanation:

We can achieve a maximum frequency of two by:

- Adding 0 to nums[1]. nums becomes [1, 4, 5].
- Adding -1 to nums[2]. nums becomes [1, 4, 4].

Example 2:

Input: nums = [5,11,20,20], k = 5, numOperations = 1

Output: 2

Explanation:

We can achieve a maximum frequency of two by:

• Adding 0 to nums[1].

Constraints:

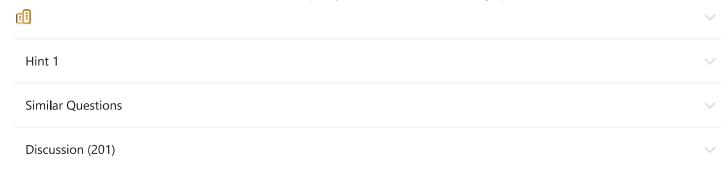
- 1 <= nums.length <= 10⁵
- 1 <= nums[i] <= 10⁵
- $0 \le k \le 10^5$
- 0 <= numOperations <= nums.length

Seen this question in a real interview before? 1/5

Yes No

Accepted 82.239/206.4K Acceptance Rate 39.8%

Topics



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