1838. Frequency of the Most Frequent Element

Medium Topics Companies Hint

The **frequency** of an element is the number of times it occurs in an array.

You are given an integer array `nums` and an integer `k`. In one operation, you can choose an index of `nums` and increment the element at th

Return *the **maximum possible frequency** of an element after performing **at most** `k` operations.*

Example 1:

```
Input: nums = [1,2,4], k = 5
Output: 3
Explanation: Increment the first element three times and the second element two times to make nums =
4 has a frequency of 3.
```

Example 2:

```
Input: nums = [1,4,8,13], k = 5
Output: 2
Explanation: There are multiple optimal solutions:
- Increment the first element three times to make nums = [4,4,8,13]. 4 has a frequency of 2.
- Increment the second element four times to make nums = [1,8,8,13]. 8 has a frequency of 2.
- Increment the third element five times to make nums = [1,4,13,13]. 13 has a frequency of 2.
```

Example 3:

```
Input: nums = [3,9,6], k = 2
Output: 1
```

Constraints:

- $1 <= nums.length <= 10^5$
- $1 <= nums[i] <= 10^5$
- $1 <= k <= 10^5$

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

Yes No

Accepted 125.6K Submissions 275.8K Acceptance Rate 45.5%

Topics

Companies

Hint 1

Hint 2

Similar Questions

Discussion (86)