

6467. Find the Longest Equal Subarray

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You are given a **0-indexed** integer array `nums` and an integer `k`.

A subarray is called **equal** if all of its elements are equal. Note that the empty subarray is an **equal** subarray.

Return the length of the **longest** possible equal subarray after deleting **at most** `k` elements from `nums`.

A **subarray** is a contiguous, possibly empty sequence of elements within an array.

User Accepted:	45
User Tried:	107
Total Accepted:	45
Total Submissions:	174
Difficulty:	Medium

Example 1:

Input: `nums = [1,3,2,3,1,3], k = 3`
Output: `3`
Explanation: It's optimal to delete the elements at index 2 and index 4. After deleting them, `nums` becomes equal to `[1, 3, 3, 3]`. The longest equal subarray starts at `i = 1` and ends at `j = 3` with length equal to 3. It can be proven that no longer equal subarrays can be created.

Example 2:

Input: `nums = [1,1,2,2,1,1], k = 2`
Output: `4`
Explanation: It's optimal to delete the elements at index 2 and index 3. After deleting them, `nums` becomes equal to `[1, 1, 1, 1]`. The array itself is an equal subarray, so the answer is 4. It can be proven that no longer equal subarrays can be created.

Constraints:

- `1 <= nums.length <= 105`
- `1 <= nums[i] <= nums.length`
- `0 <= k <= nums.length`

JavaScript

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```
1 const counter_value_in_indexA_in = (a_or_s) => { let m = new Map(); let n = a_or_s.length; for (let i = 0; i < n; i++) { if (!m.has(a_or_s[i])) m.set(a_or_s[i], []); m.get(a_or_s[i]).push(i); } return m; };
2
3 const longestEqualSubarray = (a, k) => {
4   let m = counter_value_in_indexA_in(a), n = a.length, res = 0;
5   for (const [, ia] of m) {
6     let l = 0;
7     for (let i = 0; i < ia.length; i++) {
8       while (l < i && ia[i] - ia[l] + 1 - (i - l + 1) > k) l++;
9       res = Math.max(res, i - l + 1);
10    }
11  }
12  return res;
13 };
```

```
[1,3,2,3,1,3]
3
[1,1,2,2,1,1]
2
```

How to create a testcase

Run

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Submission Result: **Accepted** (/submissions/detail/1026457528/) More Details (/submissions/detail/1026457528/)

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