

6024. Most Frequent Number Following Key In an Array

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You are given a **0-indexed** integer array `nums` . You are also given an integer `key` , which is present in `nums` .

For every unique integer `target` in `nums` , **count** the number of times `target` immediately follows an occurrence of `key` in `nums` . In other words, count the number of indices `i` such that:

- `0 <= i <= n - 2` ,
- `nums[i] == key` and,
- `nums[i + 1] == target` .

Return *the target with the **maximum** count*. The test cases will be generated such that the `target` with maximum count is unique.

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|--------------------|------|
| User Accepted: | 0 |
| User Tried: | 1 |
| Total Accepted: | 0 |
| Total Submissions: | 1 |
| Difficulty: | Easy |

Example 1:

Input: `nums = [1,100,200,1,100]`, `key = 1`
Output: `100`
Explanation: For `target = 100`, there are 2 occurrences at indices 1 and 4 which follow an occurrence of `key`. No other integers follow an occurrence of `key`, so we return `100`.

Example 2:

Input: `nums = [2,2,2,2,3]`, `key = 2`
Output: `2`
Explanation: For `target = 2`, there are 3 occurrences at indices 1, 2, and 3 which follow an occurrence of `key`. For `target = 3`, there is only one occurrence at index 4 which follows an occurrence of `key`. `target = 2` has the maximum number of occurrences following an occurrence of `key`, so we return `2`.

Constraints:

- `2 <= nums.length <= 1000`
- `1 <= nums[i] <= 1000`
- The test cases will be generated such that the answer is unique.

JavaScript

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```
1 const counter = (a_or_s) => { let m = new Map(); for (const x of a_or_s) m.set(x, m.get(x) + 1 || 1); return m; };
2
3 const mostFrequent = (a, key) => {
4   let m = counter(a);
5   let n = a.length, d = [];
6   for (let i = 0; i + 1 < n; i++) {
7     if (a[i] == key) d.push([a[i + 1], m.get(a[i + 1])]);
8   }
9   d.sort((x, y) => y[1] - x[1]);
10  // console.log(d);
11  return d[0][0];
12 };
```

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