2190. Most Frequent Number Following Key In an Array

Description

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 <= nums.length - 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.

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.