Problem 2956: Find Common Elements Between Two Arrays

Problem Information

Difficulty: Easy
Acceptance Rate: 84.23%
Paid Only: No
Tags: Array, Hash Table

Problem Description

You are given two integer arrays `nums1` and `nums2` of sizes `n` and `m`, respectively. Calculate the following values:

* `answer1` : the number of indices `i` such that `nums1[i]` exists in `nums2`. * `answer2` : the number of indices `i` such that `nums2[i]` exists in `nums1`.

Return `[answer1,answer2]`.

Example 1:

Input: nums1 = [2,3,2], nums2 = [1,2]

Output: [2,1]

Explanation:

Example 2:

Input: nums1 = [4,3,2,3,1], nums2 = [2,2,5,2,3,6]

Output: [3,4]

Explanation:

The elements at indices 1, 2, and 3 in `nums1` exist in `nums2` as well. So `answer1` is 3.

The elements at indices 0, 1, 3, and 4 in `nums2` exist in `nums1`. So `answer2` is 4.

Example 3:

Input: nums1 = [3,4,2,3], nums2 = [1,5]

Output: [0,0]

Explanation:

No numbers are common between `nums1` and `nums2`, so answer is [0,0].

Constraints:

* `n == nums1.length` * `m == nums2.length` * `1 <= n, m <= 100` * `1 <= nums1[i], nums2[i] <= 100`

Code Snippets

C++:

```
class Solution {
public:
vector<int> findIntersectionValues(vector<int>& nums1, vector<int>& nums2) {

}
};
```

Java:

```
class Solution {
public int[] findIntersectionValues(int[] nums1, int[] nums2) {

}
}
```

Python3:

```python
class Solution:
    def findIntersectionValues(self, nums1: List[int], nums2: List[int]) ->
    List[int]:
```