**Problem #2956: Find Common Elements Between Two Arrays**

<https://leetcode.com/problems/find-common-elements-between-two-arrays/description/>

**My Solution:**

**Approach**

1. Let dict1 be the frequency dictionary of nums1 and dict2 the frequency dictionary of nums2.
2. Let intersect\_list be the list of intersecions of sets of nums1 and nums2.
3. Initialize total1 and total2 to 0.
4. Iterate through intersect\_list. For each element x in intersect\_list, get the value of x from dict1 and dict2 and add them to their respective totals.
5. Returns a list with total1 and total2.

**Complexity**

* Time complexity: O(n)
* Space complexity: O(n)

**Code**

from collections import Counter

class Solution:

def findIntersectionValues(self, nums1: List[int], nums2: List[int]) -> List[int]:

dict1 = Counter(nums1)

dict2 = Counter(nums2)

intersect\_list = list(set(nums1).intersection(set(nums2)))

total1 = 0

total2 = 0

for x in intersect\_list:

total1 += dict1[x]

total2 += dict2[x]

return [total1, total2]