

Problem 1512: Number of Good Pairs

Problem Information

Difficulty: [Easy](#)

Acceptance Rate: 89.69%

Paid Only: No

Tags: Array, Hash Table, Math, Counting

Problem Description

Given an array of integers `nums`, return `the number of good pairs`.

A pair `(i, j)` is called `good` if `nums[i] == nums[j]` and `i < j`.

Example 1:

Input: `nums = [1,2,3,1,1,3]` **Output:** `4` **Explanation:** There are 4 good pairs `(0,3)`, `(0,4)`, `(3,4)`, `(2,5)` 0-indexed.

Example 2:

Input: `nums = [1,1,1,1]` **Output:** `6` **Explanation:** Each pair in the array are `good`.

Example 3:

Input: `nums = [1,2,3]` **Output:** `0`

Constraints:

`1 <= nums.length <= 100` `1 <= nums[i] <= 100`

Code Snippets

C++:

```
class Solution {  
public:  
    int numIdenticalPairs(vector<int>& nums) {  
  
    }  
};
```

Java:

```
class Solution {  
    public int numIdenticalPairs(int[] nums) {  
  
    }  
}
```

Python3:

```
class Solution:  
    def numIdenticalPairs(self, nums: List[int]) -> int:
```