

# 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:
```