

191. Given an array of integers nums, return the number of good pairs. A pair (i, j) is called good if $\text{nums}[i] == \text{nums}[j]$ 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.

Program:`def numIdenticalPairs(nums):`

`count = 0`

`for i in range(len(nums)):`

`for j in range(i+1, len(nums)):`

`if nums[i] == nums[j]:`

`count += 1`

`return count`

`# Example 1`

`nums1 = [1, 2, 3, 1, 1, 3]`

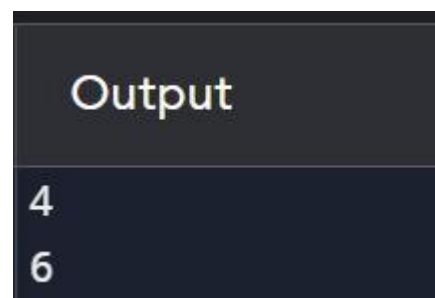
`print(numIdenticalPairs(nums1)) # Output: 4`

`# Example 2`

`nums2 = [1, 1, 1, 1]`

`print(numIdenticalPairs(nums2)) # Output: 6`

Output:



Timecomplexity: $O(n*(E+V \log V))$