# Court Equal and Divisible Pairs in array

## 2176. Count Equal and Divisible Pairs in an Array

Easy 🛇 Topics 🔒 Companies 🗘 Hint

Given a **0-indexed** integer array nums of length n and an integer k, return the **number of pairs** (i, j) where 0 <= i < j < n, such that nums [i] == nums[j] and (i \* j) is divisible by k.

### Example 1:

```
Input: nums = [3,1,2,2,2,1,3], k = 2 Output: 4 Explanation: There are 4 pairs that meet all the requirements: - nums[0] == nums[6], and 0 * 6 == 0, which is divisible by 2. - nums[2] == nums[3], and 2 * 3 == 6, which is divisible by 2. - nums[3] == nums[4], and 2 * 4 == 8, which is divisible by 2. - nums[3] == nums[4], and 3 * 4 == 12, which is divisible by 2.
```

### Example 2:

```
Input: nums = [1,2,3,4], k=1 Output: 0 Explanation: Since no value in nums is repeated, there are no pairs (i,j) that meet all the requirements.
```

#### Constraints:

- 1 <= nums.length <= 100
- 1 <= nums[i], k <= 100

Approach 1: - Hashmaps: -

Approach 2: Roops: -

nums = [3,1, 2,2,2,1,3], k= 2 idn = [0,1,2,3,9,5,6]

nL

- s·c·o(n)

s.c.o(1)

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