

6241. Number of Unequal Triplets in Array

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You are given a **0-indexed** array of positive integers `nums` . Find the number of triplets `(i, j, k)` that meet the following conditions:

- `0 <= i < j < k < nums.length`
- `nums[i]` , `nums[j]` , and `nums[k]` are **pairwise distinct**.
 - In other words, `nums[i] != nums[j]` , `nums[i] != nums[k]` , and `nums[j] != nums[k]` .

Return the number of triplets that meet the conditions.

User Accepted:	1624
User Tried:	1780
Total Accepted:	1625
Total Submissions:	1854
Difficulty:	Easy

Example 1:

Input: `nums = [4,4,2,4,3]`
Output: `3`
Explanation: The following triplets meet the conditions:
- `(0, 2, 4)` because `4 != 2 != 3`
- `(1, 2, 4)` because `4 != 2 != 3`
- `(2, 3, 4)` because `2 != 4 != 3`
Since there are 3 triplets, we return 3.
Note that `(2, 0, 4)` is not a valid triplet because `2 > 0`.

Example 2:

Input: `nums = [1,1,1,1,1]`
Output: `0`
Explanation: No triplets meet the conditions so we return 0.

Constraints:

- `3 <= nums.length <= 100`
- `1 <= nums[i] <= 1000`

JavaScript

📄

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⚙️

```
1 const unequalTriplets = (a) => {
2   let n = a.length, res = 0;
3   for (let i = 0; i < n; i++) {
4     for (let j = i + 1; j < n; j++) {
5       for (let k = j + 1; k < n; k++) {
6         if (a[i] != a[j] && a[i] != a[k] && a[j] != a[k]) res++;
7       }
8     }
9   }
10  return res;
11 };
```

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Use Example Testcases

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