

# 611. Valid Triangle Number

## Description

Given an integer array `nums`, return *the number of triplets chosen from the array that can make triangles if we take them as side lengths of a triangle*.

### Example 1:

```
Input: nums = [2,2,3,4]
Output: 3
Explanation: Valid combinations are:
2,3,4 (using the first 2)
2,3,4 (using the second 2)
2,2,3
```

### Example 2:

```
Input: nums = [4,2,3,4]
Output: 4
```

### Constraints:

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

