Leet Code

Day-45 Q-03 Valid Triangle Number

Given an array consists of non-negative integers, your task is to count 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: [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
```

Note:

1. The length of the given array won't exceed 1000.
2. The integers in the given array are in the range of [0, 1000].