5475. Count Good Triplets

My Submissions (/contest/weekly-contest-200/problems/count-good-triplets/submissions/)

Back to Contest (/contest/weekly-contest-200/)

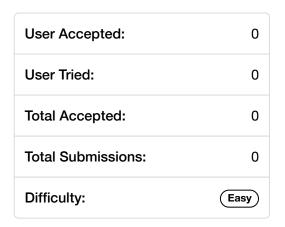
Given an array of integers $\, a\, r\, r$, and three integers $\, a\, ,\, \, b\,$ and $\, c\, .$ You need to find the number of good triplets.

A triplet (arr[i], arr[j], arr[k]) is **good** if the following conditions are true:

- 0 <= i < j < k < arr.length
- |arr[i] arr[j] | <= a
- |arr[j] arr[k]| <= b
- |arr[i] arr[k]| <= c

Where |x| denotes the absolute value of x.

Return the number of good triplets.



Example 1:

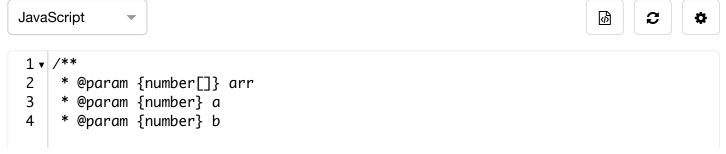
```
Input: arr = [3,0,1,1,9,7], a = 7, b = 2, c = 3
Output: 4
Explanation: There are 4 good triplets: [(3,0,1), (3,0,1), (3,1,1), (0,1,1)].
```

Example 2:

```
Input: arr = [1,1,2,2,3], a = 0, b = 0, c = 1
Output: 0
Explanation: No triplet satisfies all conditions.
```

Constraints:

- 3 <= arr.length <= 100
- 0 <= arr[i] <= 1000
- 0 <= a, b, c <= 1000



```
5
     * @param {number} c
 6
     * @return {number}
 7
 8 v const countGoodTriplets = (arr, a, b, c) ⇒ {
        let cnt = 0
 9
        for (let i = 0; i < arr.length; i++) {
10 ▼
11 ▼
            for (let j = i + 1; j < arr.length; j++) {
                 let x = Math.abs(arr[i] - arr[j]);
12
13 ▼
                 for (let k = j + 1; k < arr.length; k++) {
                     let y = Math.abs(arr[j] - arr[k]);
14
                     let z = Math.abs(arr[i] - arr[k]);
15
16
                     if (x \le a \& y \le b \& z \le c) cnt++;
17
                 }
            }
18
19
        }
20
        return cnt;
21
    };
```

☐ Custom Testcase

Use Example Testcases

Run

Submit

Submission Result: Accepted (/submissions/detail/374707812/) ?

More Details > (/submissions/detail/374707812/)

Share your acceptance!

Copyright © 2020 LeetCode

Help Center (/support/) | Terms (/terms/) | Privacy Policy (/privacy/)

States (/region/)