Given an array of integers arr, 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