

Count triplets such that sum of any two number is equal to third

Given an array of *distinct positive integers* **arr[]** of length **N**, the task is to count all the triplets such that sum of two elements equals the third element.

```
def countTriplet(arr):
    arr.sort(reverse=True)
    count = 0
    n = len(arr)-1
    for i in range(len(arr)):
        target = arr[i]
        j = i+1
        k = n
        while j<k:
            temp = arr[j]+arr[k]
            if temp==target:
                count+=1
                j+=1
                k-=1
            elif temp>target:
                j+=1
            else:
                k = k-1
    return count

arr = [1,7,3,4,2,5]
print(countTriplet(arr))
```