Description | Solution | Discuss (3... | Submissio... | C++ | Autocomplete

259. 3Sum Smaller

Medium | 1383 | 127 | Add to List | Share

Given an array of `n` integers `nums` and an integer `target`, find the number of index triplets `i, j, k` with `0 <= i < j < k < n` that satisfy the condition `nums[i] + nums[j] + nums[k] < target`.

Example 1:

```
Input: nums = [-2,0,1,3], target = 2
Output: 2
Explanation: Because there are two triplets which sums are less than 2:
[-2,0,1]
[-2,0,3]
```

Example 2:

```
Input: nums = [], target = 0
Output: 0
```

Example 3:

```
Input: nums = [0], target = 0
Output: 0
```

Constraints:

- `n == nums.length`
- `0 <= n <= 3500`
- `-100 <= nums[i] <= 100`
- `-100 <= target <= 100`

Accepted 129,637 Submissions 255,674

Seen this question in a real interview before? Yes No

```
1  class Solution {
2  public:
3      int threeSumSmaller(vecto
   target) {
4
5          int n = nums.size();
6
7          int count = 0;
8
9          sort(nums.begin(),num
10
11         for(int i = 0;i<n-2;i
12         {
13             int j = i+1;
14             int k = n-1;
15             while(j<k)
16             {
17                 int sum = num
   nums[k];
18                 if(sum<target
19                 {
20                     count +=
21                     j++;
22                 }
23                 else
24                 {
25                     k--;
26                 }
27             }
28         }
29
30         return count;
31     }
32 };
```

Testcase | Run Code Result | Debugger

Accepted Runtime: 2 ms

Your input: [-2,0,1,3,4,32,1,2,-2,-
2

Output: 334

Expected: 334

Problems | Pick One | Prev | 259/2489 | Next

Cons... | Use Example Testcases | Run Code