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Problem 15: 3Sum

Success Details >

Runtime: 20 ms, faster than 58.97% of Java online submissions for 3Sum.

Memory Usage: 43.3 MB, less than 100.00% of Java online submissions for 3Sum.

Next challenges:

3Sum Closest

4Sum

3Sum Smaller

Show off your acceptance:



Time Submitted	Status	Runtime	Memory
a few seconds ago	Accepted	20 ms	43.3 MB
10 minutes ago	Accepted	20 ms	43.5 MB
16 minutes ago	Time Limit Exceeded	N/A	N/A
18 minutes ago	Time Limit Exceeded	N/A	N/A

```
1  class Solution {
2      public List<List<Integer>> threeSum(int[] nums) {
3          ArrayList<List<Integer>> triplets = new ArrayList<>();
4          Arrays.sort(nums);
5          for (int i = 0; i < nums.length; i++) {
6              int j = i + 1;
7              int k = nums.length - 1;
8              if (i > 0 && nums[i] == nums[i - 1]) {
9                  continue;
10             }
11             while (j < k) {
12                 if (k < nums.length - 1 && nums[k] == nums[k + 1]) {
13                     k--;
14                     continue;
15                 }
16                 if (nums[i] + nums[j] + nums[k] > 0) {
17                     k--;
18                 } else if (nums[i] + nums[j] + nums[k] < 0) {
19                     j++;
20                 } else {
21                     ArrayList<Integer> integers = new ArrayList<>();
22                     integers.add(nums[i]);
23                     integers.add(nums[j]);
24                     integers.add(nums[k]);
25                     triplets.add(integers);
26                     j++;
27                     k--;
28                 }
29             }
30         }
31         return triplets;
32     }
33 }
```