

## 40. Combination Sum II

## Medium

 629

34

♥ Fav

Given a collection of candidate number combinations in `candidates` where th

Each number in `candidates` may only

### Note:

- All numbers (including `target` )
- The solution set must not contain

### Example 1:

**Input:** candidates = [10,1,2,1]

**A solution set is:**

[

[1, 7].

```
[1, 2, 5],  
[2, 6],  
[1, 1, 6]  
]
```

## Example 2:

**Input:** candidates = [2,5,2,1]  
**A solution set is:**  
[

```
1 package Algorithm;  
2  
3 import java.util.ArrayList;  
4 import java.util.Arrays;  
5 import java.util.List;  
6  
7 /*  
8  * 这道题目还是利用回溯递归的方法  
9  */  
10 public class L40 {  
11     public List<List<Integer>> combinationSum2(int[] candidates, int target) {  
12         List<List<Integer>> res = new ArrayList<List<Integer>>();  
13         if(candidates == null || candidates.length == 0 || target < 0)  
14             return res;  
15         List<Integer> list = new ArrayList<Integer>();  
16         Arrays.sort(candidates); //因为有重复的数字, 所以需要进行排序去重  
17         get(candidates, res, list, target, 0);  
18         return res;  
19     }  
20  
21     private void get(int [] candidates, List<List<Integer>> res, List<Integer> list, int target, int i) {  
22         if(i > candidates.length || target < 0)  
23             return;  
24         if(target == 0) {  
25             res.add(new ArrayList<Integer>(list)); //这里如以前一样需要注意  
26             return;  
27         }  
28         for(int p = i; p < candidates.length; p++) { //因为这道题目是可以下标不连续, 所以需要从i到candidates的最后  
29             list.add(candidates[p]); //添加  
30             get(candidates, res, list, target - candidates[p], p + 1);  
31             list.remove(list.size() - 1); //回溯删除  
32             while(p < candidates.length && candidates[p] == candidates[p + 1]) {  
33                 p++; //去除重复的数字  
34             }  
35         }  
36     }  
37 }  
38 }
```