Subsets

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Total Accepted: **66687** Total Submissions: **232267** Difficulty: **Medium**

Given a set of distinct integers, *nums*, return all possible subsets.

Note:

- Elements in a subset must be in non-descending order.
- The solution set must not contain duplicate subsets.

For example,

If ***nums*** = `[1,2,3]` , a solution is:

```
[
  [3],
  [1],
  [2],
  [1,2,3],
  [1,3],
  [2,3],
  [1,2],
  []
]
```

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Python

```
class Solution(object):
    def subsets(self, nums):
        """
        :type nums: List[int]
        :rtype: List[List[int]]
        """
        returnColumn = []
        tmp = [0 for i in range(len(nums))]
        nums = sorted(nums)
        for i in range(0,len(nums)+1):
            self.getSubset(returnColumn,tmp,0,-1,nums,i)
        return returnColumn
```

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```
13      def getSubset(self,returnColumn,tmp,step,index,nums,k):
14          if step==k:
15              returnColumn.append(tmp[:k])
16              return
17          for i in range(index+1,len(nums)-k+step+1):
18              tmp[step]=nums[i]
19              self.getSubset(returnColumn,tmp,step+1,i,nums,k)
```

Custom Testcase

Run Code | Submit Solution

Submission Result: Accepted (/submissions/detail/42631491/)

More Details ❯ (/submissions/detail/42631491/)

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(H) Find Minimum in Rotated Sorted Array II (/problems/find-minimum-in-rotated-sorted-array-ii/)

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