

Combinations

```
1 class Solution(object):
2     def combine(self, n, k):
3         """
4         input: int n, int k
5         return: int[][]
6         """
7         # write your solution here
8         answers, comb = [], []
9         self.bt(answers, comb, 1, n, k)
10        return answers
11
12    def bt(self, answers, comb, i, n, k):
13        if k == 0:
14            answers.append(comb[:])
15            return
16        for t in range(i, n+1):
17            comb.append(t)
18            self.bt(answers, comb, t + 1, n, k - 1)
19            comb.pop()
20        return
```