

77. Combinations

题目描述: <https://leetcode.com/problems/combinations/>

给定两个整数n和k，求1-n这n个数的k个元素的子集个数。

例如: n=4,k=2

```
[[1,2],[1,3],[1,4],  
 [2,3],[2,4],  
 [3,4]]
```

解题思路:

排列组合模板

代码:

```
class Solution {  
public:  
    void getCom(int n, int k, vector<vector<int>> &res, vector<int> &num, int pos  
) {  
        if(k==0){  
            res.push_back(num);  
            return;  
        }  
        for(int i = pos; i <= n; i++){  
            num.push_back(i);  
            getCom(n, k-1, res, num, i+1);  
            num.pop_back();  
        }  
    }  
    vector<vector<int>> combine(int n, int k) {  
        vector<vector<int>> res;  
        vector<int> num;  
        getCom(n, k, res, num, 1);  
        return res;  
    }  
};
```