

## 119. Pascal's Triangle II

题目描述: <https://leetcode.com/problems/pascals-triangle-ii/>

给定一个整数  $k$ ，求出帕斯卡三角的对应行数值，0代表第一行。要求空间复杂度在  $O(k)$

解题思路:

利用两个数组滚动求值。

代码:

```
class Solution {
public:
    vector<int> getRow(int rowIndex) {
        vector<int> v(rowIndex+1, 1);
        vector<int> res(rowIndex+1, 1);
        for(int i = 2; i <= rowIndex; i++){
            for(int j = 0; j <= i; j++){
                if(j == 0)
                    res[j] = 1;
                if(j == i)
                    res[j] = 1;
                else
                    res[j] = v[j-1]+v[j];
            }
            for(int j = 0; j <= i; j++)
                v[j] = res[j];
        }
        return res;
    }
};
```