/\*

Given numRows, generate the first numRows of Pascal's triangle.

For example, given numRows = 5,

Return

[

[1],

[1,1],

[1,2,1],

[1,3,3,1],

[1,4,6,4,1]

]

way-1:构造前两行，然后按照ret[i-1].push\_back(ret[i-2][j-1]+ret[i-2][j])的规律往里面怼

\*/

class Solution {

public:

vector<vector<int>> generate(int num)

{

vector<vector<int>> ret;

if(num==0)

return ret;

vector<int> m1;

for(int i=1;i<=num;i++)

{

m1.push\_back(1);

ret.push\_back(m1);

m1.clear();

}

if(num==1)

return ret;

ret[1].push\_back(1);

if(num==2)

return ret;

for(int i=3;i<=num;i++)

{

for(int j=1;j<i-1;j++)

ret[i-1].push\_back(ret[i-2][j-1]+ret[i-2][j]);

ret[i-1].push\_back(1);

}

return ret;

}

};