Problem 118: Pascal's Triangle

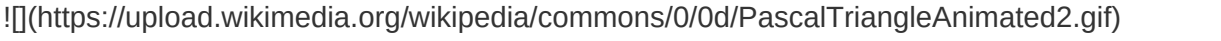
Problem Information

Difficulty: Easy
Acceptance Rate: 78.34%
Paid Only: No
Tags: Array, Dynamic Programming

Problem Description

Given an integer `numRows`, return the first numRows of **Pascal 's triangle**.

In **Pascal 's triangle**, each number is the sum of the two numbers directly above it as shown:



Example 1:

Input: numRows = 5 **Output:** [[1],[1,1],[1,2,1],[1,3,3,1],[1,4,6,4,1]]

Example 2:

Input: numRows = 1 **Output:** [[1]]

Constraints:

* `1 <= numRows <= 30`

Code Snippets

C++:

```
class Solution {
public:
```

```
vector<vector<int>> generate(int numRows) {

}
};
```

Java:

```
class Solution {
public List<List<Integer>> generate(int numRows) {

}
}
```

Python3:

```
class Solution:
def generate(self, numRows: int) -> List[List[int]]:
```