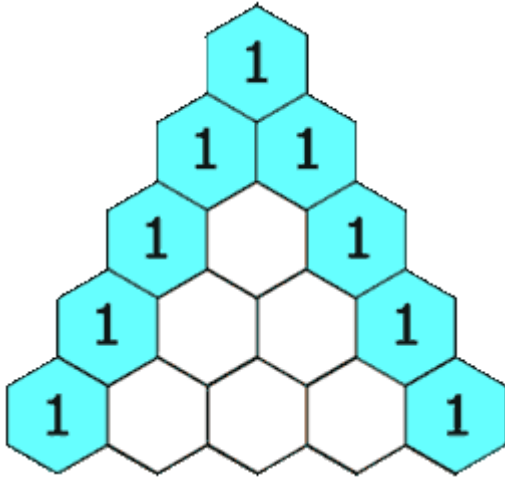


118. Pascal's Triangle

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]]`

``````Python

```
def generate(self, numRows: int) -> List[List[int]]:
 res = [[1],[1,1]]

 if numRows == 1:
 return [[1]]
 if numRows == 2:
 return res
 if numRows > 2:
 for i in range(3,numRows+1):
 temp = [1]
 idx = i-1
 self.Pascal(res[idx-1],temp)
 res.append(temp)
 return res
```

```
def Pascal(self,base,ans):
 for i in range(len(base)-1):
 temp = base[i]+base[i+1]
 ans.append(temp)
 ans.append(1)
```

One genius move : 1 3 3 1 0

+ 0 1 3 3 1

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1 4 6 4 1 =====> Result of next row