Problem #119: Pascal’s Triangle II

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

Use the identity in combinations:

n C (r -1) + n C r = (n+1) C r

class Solution:

def getRow(self, rowIndex: int) -> List[int]:

if rowIndex == 0:

return([1])

elif rowIndex == 1:

return([1, 1])

pascal\_list = [1, 1]

for i in range (2, rowIndex + 1):

alist = [1]

for j in range(1, len(pascal\_list)):

alist.append(pascal\_list[j-1] + pascal\_list[j])

alist.append(1)

pascal\_list = alist

return(pascal\_list)