Given a non-negative integer *numRows*, generate the first *numRows* of Pascal's triangle.

  
In Pascal's triangle, each number is the sum of the two numbers directly above it.

**Example:**

**Input:** 5

**Output:**

[

[1],

[1,1],

[1,2,1],

[1,3,3,1],

[1,4,6,4,1]

]