Pascal's Triangle

Problem Statement

For a given integer `K`, print the first `K` rows of Pascal's Triangle. Print each row with values separated by spaces. The value at `n`throw and `r`th column of the triangle is equal to `n! / (r! * (n-r)!)` where indexing start from `0`. These values are the binomial coefficients.

The Pascal Triangle

```
1
1 1
1 2 1
1 3 3 1
1 4 6 4 1
....
```

Input Format

A Single Integer, *K*.

Constraints

2 <= K <=10

Output Format

The first *K* rows of the Pascal Triangle.

Sample Input

```
4
```

Sample Output

```
1
1 1
1 2 1
1 3 3 1
```