

Points: 553.180000000001 Rank: 1150

Leaderboard Problem Submissions RATE THIS CHALLENGE **** For a given integer K, print the first K rows of Pascal's Triangle. Print each row with each value separated by a single space. The value at the n^{th} row and r^{th} column of the triangle is equal to n!/(r!*(n-r)!) where indexing starts 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 line of input, integer K. Constraints 2 <= K <= 10**Output Format** Output the first $oldsymbol{K}$ rows of Pascal's triangle. Sample Input Sample Output 1 1 1 1 2 1 1 3 3 1

```
Change Theme Language Haskell

import Control.Monad

generate :: Int -> [[Int]]

generate 0 = []

generate 1 = [[1]]

generate 2 = [[1,1],[1]]

generate n = let a = generate (n-1)

in f (head a):a
```

```
where f xs = 1:(uncurry (+) <$> zip (init xs) (drop 1 $ cycle xs)) ++ [1]
9
10
11
12
    main = do
        n <- read <$> getLine
13
        forM (reverse \$ generate n) (\in -> putStrLn \$ unwords \$ show \in \$ i)
14
15
                                                                                       Line: 15 Col: 1
                                                                         Run Code
                                                                                       Submit Code
Test against custom input
```

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