

NAME :

Pascal's rule to define the binomial coefficients is $\binom{n}{k} = \binom{n-1}{k-1} + \binom{n-1}{k}$,
for nonnegative integers n and $k \leq n$.

For $n = k$ and $k = 0$, the binomial coefficient is one.

Use Pascal's rule to write an efficient recursive function to compute $\binom{n}{k}$.

Call the function `pascal`. The first two arguments of `pascal` are `n` and `k`.

Homework Assignment:

Bring to class on Monday the print out of a Sage notebook with your answers to assignments 1 and 2 of lecture 17; assignments 1 and 4 of lecture 18; and assignment 4 of lecture 19.