
Combination

Input file: `standard input`
Output file: `standard output`
Time limit: 2 seconds
Memory limit: 64 megabytes

Given two numbers N and R . Print the ${}^N C_R$ value.

Note: Solve this problem using recursion.

Input

Only one line contains two numbers N and R ($0 \leq N, R \leq 30$).

Output

Print the ${}^N C_R$ value.

Examples

standard input	standard output
4 2	6
3 3	1

Note

For more information visit combination:

<https://www.mathsisfun.com/combinatorics/combinations-permutations.html>