



(/en/),  
v1.1.0

# CSD Testing System

(/en/)

## Number of combinations

Cost: 2 | Solved: 120

**Memory limit:** 256 MB

**Time limit:** 1 s

**Input:** input.txt

**Output:** output.txt

### Task:

Find a number of combinations ( $C_n^k$ ) by using integer numbers  $n$  and  $k$ .

$$C_n^k = n! / (k! * (n - k)!)$$

### Input:

Contains positive integer numbers  $n$  and  $k$  ( $1 \leq n, k \leq 50$ ).

### Output:

A number of combinations  $C_n^k$  ( $C_n^k \leq 10^9$ ).

### Example:

Input	Output
5 3	10