

Restaurant

Time limit: 2 sec.
Memory limit: 512MB

Description

Minkyu likes eating tasty food. One day he went to a restaurant to have dinner. There were n different kinds of dishes on the menu. Minkyu is thinking of trying exactly k different kinds of dishes.

While choosing his menu, Minkyu suddenly became curious about how many different choices he can make. Write a program that will help answer Minkyu's question.

Input

The first line contains two integers, n and k . ($0 \leq k \leq n \leq 30$)

Output

Print the number of different choices Minkyu can make.

Sample I/O

Input(s)	Output(s)
5 2	10