## Problem F. Factorial

Time limit 1000 ms Mem limit 131072 kB

Find the factorial of a number.

## Input

One integer  $n \ (0 \le n \le 20)$ .

## **Output**

Print the value of  $n! = 1 \cdot 2 \cdot 3 \cdot ... \cdot n$ .

## Example

Input	Output
3	6