Problem AE. Small Factorial

Time limit   1000 ms
Code length Limit   50000 B
OS   Linux

Write a program to find the factorial value of any number entered by the user.

Input Format

The first line contains an integer **T**, the total number of testcases. Then **T** lines follow, each line contains an integer **N**.

Output Format

For each test case, display the factorial of the given number **N** in a new line.

Constraints

$1 \leq T \leq 1000$

$0 \leq N \leq 20$

Sample 1

Input	Output
3 3 4 5	6 24 120