FCTRL2 - Small factorials

[#math](http://www.spoj.com/problems/tag/math) [#big-numbers](http://www.spoj.com/problems/tag/big-numbers)

You are asked to calculate factorials of some small positive integers.

Input

An integer t, 1<=t<=100, denoting the number of testcases, followed by t lines, each containing a single integer n, 1<=n<=100.

Output

For each integer n given at input, display a line with the value of n!

Example

Sample input:

4

1

2

5

3

Sample output:

1

2

120

6

<http://www.spoj.com/problems/FCTRL2/>

t = int(raw\_input())

for x in range(0, t):

n = int(raw\_input())

prod = 1

for i in range(1, n+1):

prod \*= i

print prod