G. Small factorials

Time limit: 1s　　　　　　　　Memory limit: 1536 MB

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
```