

SPOJ Problem Set (classical)

24. Small factorials

Problem code: FCTRL2

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

Input

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

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
```

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Time limit: 1s

Source limit: 2000B

Languages: All