## Small factorials

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

## Input

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

## 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:

