

# Small factorials

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

### Input:

```
4
1
2
5
3
```

### Output:

```
1
2
120
6
```