

## Small Factorial

Calculate factorial of a given number N.

### Input:

The first line contains an integer 'T' denoting the total number of test cases. In each test cases, it contains an integer 'N'.

### Output:

In each separate line output the answer to the problem.

### Constraints:

$$1 \leq T \leq 100$$

$$1 \leq N \leq 18$$

### Example:

Input :

1

5

Output:

120