

# Manasa and Factorials



Manasa was sulking her way through a boring class when suddenly her teacher singled her out and asked her a question. He gave her a number **n** and Manasa has to come up with the smallest number **m** which contains atleast **n** number of zeros at the end of **m!**. Help Manasa come out of the sticky situation.

## Input Format

The first line contains an integer  $T$  i.e. the number of Test cases.  
Next  $T$  lines will contain an integer  $n$ .

## Output Format

Print smallest such number  $m$ .

## Constraints

$$1 \leq T \leq 100$$

$$1 \leq n \leq 10^{16}$$

## Sample Input

```
3
1
2
3
```

## Sample Output

```
5
10
15
```

## Explanation

1. As  $4! = 24$  and  $5! = 120$ , so minimum value of  $m$  will be 5.
2. As  $9! = 362880$  and  $10! = 3628800$ , so minimum value of  $m$  will be 10.
3. As  $14! = 87178291200$  and  $15! = 1307674368000$ , so minimum value of  $m$  will be 15.