## Easy Factorization

The task in this problem is to write a number in a multiplication of prime numbers separated by " x". You need to put the
number 1 in this multiplication.

Input

The input consists of several lines.
Each line consists of one integer $N\left(1<=N<=10^{\wedge} 5\right)$.

## Output

For each line you need to output the factorization separated by "x" and including 1.

## Sample Input

1

2

4

8

## Sample Output

1
$1 \times 2$
$1 \times 2 \times 2$
$1 \times 2 \times 2 \times 2$

