

# Funny Prime Factorization

**Problem Description:** You will given an integer number N. Find out the prime factors of this number.

## Input

The input consists of several lines.

Each line consists of one integer N (  $2 \leq N \leq 10^7$  )

## Output

In each line you need to print the factors of N seperated by "x".

## Example

**Input:**

2  
8  
6

**Output:**

2 = 2  
8 = 2 x 2 x 2  
6 = 2 x 3