# **Prime Factorization**

Given a number n (n  $\leq$  10<sup>12</sup>) print all its prime factors in strictly ascending order. (Note each prime factor should be printed on a new line.)

<u>Warning</u>: Use long long int for taking input. Integer will overflow. The format specifier for long long int is %IId.

## Example

Input: 60

#### Output:

2 3

5

### Input:

100

#### Output:

2

5