

## Prime Factorization

### Problem Description

The positive integer  $N$  is the product of two different primes, try to find the larger one.

### Input

There is only one line that contains a positive integer  $n$  (less than  $2 \times 10^9$ ).

### Output

There is only one line that contains a positive integer  $p$ , that is, the larger prime.

### Sample Input

21

### Sample Output

7