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Prime numbers are those integers n that can only be divided by 1 or n.

We want to count how many prime numbers exist in a set of integer numbers.

INPUT

An unspecified number of integers all in one line or distributed in several lines.
All values are non-negative integers lower than 2^{32}

OUTPUT

The counter of prime numbers with the message if there are more than one:

```
<n> prime numbers were found!
```

If there is only one prime number in all the set of integers, then

```
Only one prime number was found!
```

And when no primes numbers appear in the set of integers in the input, then

```
No prime numbers were found!
```

INPUT EXAMPLE 1

```
0
1
2
3
4
5
6
7
8
9
10
11
```

OUTPUT EXAMPLE 1

```
5 prime numbers were found!
```

INPUT EXAMPLE 2

```
0
1
2
4
6
8
10
```

OUTPUT EXAMPLE 2

```
Only one prime number was found!
```