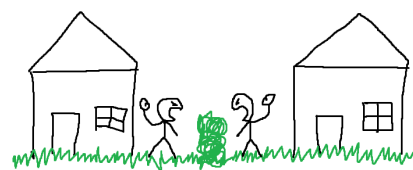


## Y Greener Grass

Time limit: 1s

You and your neighbour have been rivals since the dawn of time. Whenever one of you purchases or accomplishes something, the other must purchase or accomplish the same, but better. Since you are both simple minds, the definition of better is simply to have larger numbers. For example, when your neighbour tells you that they bought 6 eggs, you might respond by buying 10 eggs!



Given a list of statements by your neighbour about what they have purchased or accomplished, respond with the exact same statements, but with strictly larger numerical values and an exclamation mark at the end to emphasize your superiority!

In order to prevent exponential escalation, your numerical values may not be more than twice as large as your neighbour's.

### Input

The input consists of:

- One line with an integer  $n$  ( $1 \leq n \leq 100$ ), the number of statements by your neighbour.
- $n$  lines, the statements by your neighbour.

Each statement consists of at most 50 *tokens*. Each token is either an integer  $x$  ( $1 \leq x \leq 10^6$ ), or a string  $s$  ( $1 \leq |s| \leq 20$ ) consisting of only English lowercase letters (a-z).

### Output

Output your improved statements.

Note that we do not require you to output exactly the right number of spaces and newlines. If all whitespace between two tokens is omitted, that is (of course) an error.

#### Sample Input 1

```
1
i have just bought 6 eggs
```

#### Sample Output 1

```
i have just bought 10 eggs!
```

**Input 2**

```
5
i can bench 50 kg and deadlift 155 kg
i ran 10 km yesterday in under 52 minutes
i have 2 dogs aged 4 and 5 years old
my power level is over 9000
in 1984 i lost 834420 dollars in vegas
```

**Output 2**

```
i can bench 100 kg and deadlift 156 kg!
i ran 11 km yesterday in under 99 minutes!
i have 4 dogs aged 7 and 6 years old!
my power level is over 9001!
in 2024 i lost 1248160 dollars in vegas!
```

**Input 3**

```
5
let us agree to stop this nonsense
after six years we can finally rest
6113
you just could not help yourself could you
can you stop repeating me
```

**Output 3**

```
let us agree to stop
this nonsense! after six years we can finally rest!
6114!
you just could not help yourself
could you! can you
stop repeating me!
```