
3, 2, 1... Liftoff!

This is it, you're in. In less than a minute the rocket will take off and you will go down in history. All the newspapers this morning were already running the headline "Tommy Pasqua, to infinity and beyond!"

The countdown begins: **10... 9... 8...** But you can't remember the button to take off ! Fortunately you remember one thing: among all the buttons, it is the only one that appears **exactly 2 times**.

From the list of buttons, write a program that returns the button that will launch the rocket.

Data

Input

Line 1: an integer N between 2 and 100, representing the number of buttons in the cockpit.

Line 2 to N + 1 : on each line, a string of lowercase letters indicating the name of a button.

Output

A line representing the string appearing exactly 2 times in the button list.

It is guaranteed that there is only one string that appears twice.

Example

For the input:

```
6
rocket
boosters
rocket
boosters
fire
rocket
```

Your program should return :

```
boosters
```

Indeed: `boosters` is the only button present exactly 2 times.