Problem 1: Silent Auction

Problem Description

A charity is having a silent auction where people place bids on a prize without knowing anyone else's bid. Each bid includes a person's name and the amount of their bid. After the silent auction is over, the winner is the person who has placed the highest bid. If there is a tie, the person whose bid was placed first wins. Your job is to determine the winner of the silent auction.

Input Specification

The first line of input contains a positive integer N, where $1 \leq N \leq 100$, representing the number of bids collected at the silent auction. Each of the next N pairs of lines contains a person's name on one line, and the amount of their bid, in dollars, on the next line. Each bid is a positive integer less than 2000. The order of the input is the order in which bids were placed.

Output Specification

Output the name of the person who has won the silent auction.

Sample Input 1

```
3
Ahmed
300
Suzanne
500
Ivona
450
```

Output for Sample Input 1

```
Suzanne
```

Explanation of Output for Sample Input 1

The highest bid placed was 500 and it was placed by Suzanne. Suzanne wins the silent auction.

Sample Input 2

```
2
Ijeoma
20
Goor
20
```

Output for Sample Input 2

```
Ijeoma
```

Explanation of Output for Sample Input 2
The highest bid placed was 20 and it was placed by both Ijeoma and Goor. Since Ijeoma's bid was placed first, Ijeoma wins the silent auction.

Problem2: Secret Instructions

Problem Description
Professor Santos has decided to hide a secret formula for a new type of biofuel. She has, however, left a sequence of coded instructions for her assistant.

Each instruction is a sequence of five digits which represents a direction to turn and the number of steps to take.

The first two digits represent the direction to turn:

- If their sum is odd, then the direction to turn is left.
- If their sum is even and not zero, then the direction to turn is right.
- If their sum is zero, then the direction to turn is the same as the previous instruction.

The remaining three digits represent the number of steps to take which will always be at least 100.

Your job is to decode the instructions so the assistant can use them to find the secret formula.

Input Specification
There will be at least two lines of input. Each line except the last line will contain exactly five digits representing an instruction. The first line will not begin with 00. The last line will contain 99999 and no other line will contain 99999.

Output Specification
There must be one line of output for each line of input except the last line of input. These output lines correspond to the input lines (in order). Each output line gives the decoding of the corresponding instruction: either `right` or `left`, followed by a single space, followed by the number of steps to be taken in that direction.

Sample Input
57234
00907
34100
99999

Output for Sample Input
right 234
right 907
left 100

Explanation of Output for Sample Input

The first instruction is `57234` which is decoded as `right 234` because $5 + 7 = 12$ which is even and `57` is followed by `234`.

The second instruction is `00907` which is decoded with the same direction as the previous instruction (`right`) but with `907` steps.

The third instruction is `34100` which is decoded as `left 100` because $3 + 4 = 7$ which is odd and `34` is followed by `100`.

The last line contains `99999` which tells us these are the only three instructions.