# A. I Wanna Be the Guy

time limit per test: 1 second memory limit per test: 256 megabytes

input: standard input output: standard output

There is a game called "I Wanna Be the Guy", consisting of *n* levels. Little X and his friend Little Y are addicted to the game. Each of them wants to pass the whole game.

Little X can pass only p levels of the game. And Little Y can pass only q levels of the game. You are given the indices of levels Little X can pass and the indices of levels Little Y can pass. Will Little X and Little Y pass the whole game, if they cooperate each other?

## Input

The first line contains a single integer n ( $1 \le n \le 100$ ).

The next line contains an integer p  $(0 \le p \le n)$  at first, then follows p distinct integers  $a_1, a_2, ..., a_p$   $(1 \le a_i \le n)$ . These integers denote the indices of levels Little X can pass. The next line contains the levels Little Y can pass in the same format. It's assumed that levels are numbered from 1 to n.

### **Output**

If they can pass all the levels, print "I become the guy.". If it's impossible, print "Oh, my keyboard!" (without the quotes).

### **Examples**

```
input
4
3 1 2 3
2 2 4

output
I become the guy.
```

```
input
4
3 1 2 3
2 2 3

output
Oh, my keyboard!
```

#### Note

In the first sample, Little X can pass levels [1 2 3], and Little Y can pass level [2 4], so they can pass all the levels both.

In the second sample, no one can pass level 4.