



HOME CONTESTS GYM PROBLEMSET GROUPS RATING API CANADA CUP 🖫 SECTIONS

PROBLEMS SUBMIT STATUS STANDINGS CUSTOM TEST

# 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<br>3123<br>224  |
| output            |
| I become the guy. |

# input

3123 223

#### 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.

### Codeforces Round #268 (Div. 2)

#### **Finished**

#### → Virtual participation

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only AOM-ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you - solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you - solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.

Start virtual contest

## → Problem tags

(greedy) (implementation)

No tag edit access

#### → Contest materials

- Announcement
- Tutorial

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