CODEFORCES
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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	Copy
4 3 1 2 3 2 2 4	

output	Copy
I become the guy.	

input	Copy
4 3 1 2 3 2 2 3	

output	Copy
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

Practice

⭐

→ 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 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]

→ Clone Contest to Mashup

You can clone this contest to a mashup.

[Clone Contest]

→ Submit?

Language: [Java 1.8.0_241   ▼]

Choose file: [Choose File] No file chosen

Be careful: there is 50 points penalty for submission which fails the pretests or resubmission (except failure on the first test, denial of judgement or similar verdicts). "Passed pretests" submission verdict doesn't guarantee that the solution is absolutely correct and it will pass system tests.

[Submit]

→ Last submissions

Submission	Time	Verdict
133289492	Oct/28/2021 00:02	**Accepted**

→ Problem tags

greedy   implementation   *800

No tag edit access

→ Contest materials

- Announcement ✕
- Tutorial (en) ✕

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The only programming contests Web 2.0 platform
Server time: Oct/27/2021 17:08:09^{UTC-4} (g1).
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