# No Fishing!

Time limit: 3 seconds Memory limit: 1024 megabytes

Please design a program that can filter messages with banned words in a chat room and the one who sent this message will get one warning. Once a person gets three warnings, all his or her messages will be ignored in the chat room. The comparison between the banned words and messages should be case-sensitive

#### • Input Format

The first line will contain an integer *n* and a string of the *banned word*. *n* represents the number of following messages you need to filter. The *banned word* is the word that should not appear in the chat room after filtering. In the next *n* lines, the format of input messages will be *name: message*.

## • Output Format

For each input except the first line, the program outputs the line directly if the *name* does not get three warnings, and the *message* does not contain the *banned word*.

If the *name* has got three warnings, then the program print "name is banned." for that line.

Notice that you only need to filter the *banned words* in the message. If the *banned word* appear in the *name*, you don't need to filter it.

## • Technical Specifications

- $\blacksquare 1 \le n \le 1000$
- **Banned word** is a string that only contains the alphabet and number characters. The length of **banned word** will not exceed 128 characters.
- Name is a string that only contains alphabet and number characters. The length of it will not exceed 20 characters.
- *Message* consists of several strings, which are split by spaces. Each string consists of ASCII code from 32 to 126, which is basically all printable characters.
- The length of *name: message* will not exceed 4095.

#### • There are some restrictions you need to follow:

1. You are not allowed to include <string.h> or other libraries with functions about string process.

Input Example	Output Example
11 easy	Tozy: Weeeeeee!!!!!!
Tozy: Weeeeeee!!!!!!	NaNin: Hi, guys <3

Ruwan: I'm UC genius. So

easy.

NaNin: Hi, guys <3 NaNin: I'm 159cm!

8tan: Easy.

Ruwan: Yeah, eeeeeasy. Ruwan: You should play

other games.

Ruwan: This game is too

easy.

Ruwan: Why don't you

change games?
Ruwan: Hello?

HaHa: ea\_sy lolllll

NaNin: I'm 159cm!

8tan: Easy.

Ruwan: You should play

other games. Ruwan is banned.

HaHa: ea\_sy lolllll