

DMOPC '19 Contest 5 P0 - Concurrent Competitor Counting

Time limit: 1.0s **Memory limit:** 64M

Serena is trying to figure out who will move on to her competition's second stage. She has a list of N names, their corresponding scores, and the cutoff C .

A participant will advance to the second stage if and only if their score is **strictly greater than** the cutoff.

Input Specification

The first line contains two space-separated integers, N , the number of participants, and C , the cutoff.

The next N lines contain a string s_i , the name of the participant, and an integer x_i , their score.

It is guaranteed that all s_i are distinct, and contain only lowercase letters of the Latin alphabet.

Output Specification

For each of the N lines, print `[s_i] will advance` if their score is **strictly greater** the cutoff, or `[s_i] will not advance` otherwise. Output should correspond to the order the names appear in the input.

Constraints

In all tests,

$$1 \leq N \leq 100$$

$$1 \leq x_i, C \leq 100$$

$$1 \leq |s_i| \leq 50$$

Sample Input 1

```
5 55
georgechen 24
kevinwan 42
tankibuds 56
richardzhang 1
tzak 99
```

Sample Output 1

```
georgechen will not advance  
kevinwan will not advance  
tankibuds will advance  
richardzhang will not advance  
tzak will advance
```

Sample Input 2

```
1 48  
vrotherin 48
```

Sample Output 2

```
vrotherin will not advance
```