

# Thank you Chief ;)

The exams are over. You and your batch-mates are over the moon, especially after cracking the Calculus paper. Chief, your popularity is soaring and your batch-mates are going ga-ga about you. As a thanking gesture, they send you *Thank you* messages. Overwhelmed about this, you decide to reply back to all of them. You are keen to start dating one of your batch-mates and don't want to miss this opportunity. We leave at that Chief, hoping that you will soon find a date 😊.

## Input

The first line of the input contains two space-separated integers T (the number of messages you received) and G (0 for boy, 1 for girl) which indicates your gender. T lines follow. Each line starts with the name of the sender  $S_i$ , followed by a space and then an integer  $G_i$  (gender of the sender).

## Output

Output exactly T lines. Each line should be of the following format: "Welcome  $S_i$ " or "Welcome  $S_i$ , ;)" depending on whether the sender and you are of the same gender or opposite gender.

## Example

### Input:

```
4 0
Avani 1
Parth 0
Hena 1
Rohan 0
```

### Output:

```
Welcome Avani, ;)
Welcome Parth
Welcome Hena, ;)
Welcome Rohan
```

### Limits:

$1 \leq T \leq 1000$ ,  
Length of  $S_i$  won't exceed 15 characters and there will be no spaces in the name.