Problem F: Welcome to Moe's!!!

Time Limit 1 second

Problem

Everyone knows that whenever you walk into a Moe's restaurant you are greeted by enthusiastic shouts from all of the employees welcoming you to their establishment. They all greet every customer by shouting "Welcome to Moe's!!!" whenever someone new walks in the door. If someone walks in the door that has already been there that day, the workers just continue working instead of repeating the welcoming shout.

Your task is to create a program to help these busy Moe's employees by telling them exactly when they should shout "Welcome to Moe's!!!" because a customer that has not been there yet has walked into the store.

Input

The first line of the input will contain a single, positive integer, c ($1 \leq c \leq 10{,}000$), representing the number of potentially new customers to process. Each of the next c lines will contain a one word name of the customer (made up of only letters) with the first letter capitalized and all others lowercase. No name will be longer than 25 letters.

Output

For each name given, output one line containing "Customer #i: " where i is the customer's number (starting from 1) in the order given in the input (note that repeat customers will have more than one customer number), followed by either "Welcome to Moe's!!!" if this is the first time you have seen this customer, or "**continue working**" if this customer had already been seen and greeted with the resounding shout. No two customers have the same name, but a single customer may appear in the given list multiple times.

Sample Input 1	Sample Output 1
7 Ethan Jack Ethan Billy Susan Jack Jack	Customer #1: Welcome to Moe's!!! Customer #2: Welcome to Moe's!!! Customer #3: **continue working** Customer #4: Welcome to Moe's!!! Customer #5: Welcome to Moe's!!! Customer #6: **continue working** Customer #7: **continue working**