### An Endless Cycle

Jonas is on his way to break the infinite cycle. For that, he needs to travel to the past. The time-machine has a four-digit pin and two lights, green and yellow. The PIN can have a leading zero and, all its digits have to be different.

Jonas makes a series of guesses. He enters a four-digit number and, the time-machine flickers the lights based on the number. If the green light flickered for x times, it means that x digits of the number (entered by Jonas) occupy the same position in the PIN. If the yellow light flickered for y times, it means y digits of the number are present in the PIN but occupy different positions. Help Jonas to find the PIN.

**Input**

The first line of the input contains an integer t, which represents the number of test cases.

The first line of each test case contains a number n, the number of guesses made by Jonas.

Then follow n lines in the form of “m x y”, where m is the digit number guessed by Jonas, x is the number of times the green light flickered, y is the number of time yellow light flickered.

The guessed numbers are correct i.e. each of them contains exactly 4 digits and, all 4-digit are different, and there can be a leading zero.

**Output**

For each test case, if the data is enough to guess the pin, print the PIN. If the data is not enough, print “Make more guesses”. If the time machine has made a mistake in flickering lights, print "Incorrect Information"

**Constraints**

**1<=T<=10**

1 <= N <= 10  
0 ≤ *bi*, *ci*, *bi* + *ci* ≤ 4

Time Limit: 1s  
Memory Limit: 512MB