Problem , Birthdate

Time Limit 1 second

Problem

Write a program to identify the youngest person and the oldest person in a class.

Input

The number n (1 ≤ n ≤ 100) in the first line determines the number of people in a class. The following

n lines contain person's name and his/her birthdate.

The information in each line is of this format:

personName dd mm yyyy

where personName is a single word less than 15 letters, dd mm yyyy are date, month and year of the birthdate.

Suppose that no one has the same name or the same birthdate.

Output

Print out 2 lines containing the name of youngest person and oldest person, respectively.

Sample Input 1	Sample Output 1
5 Mickey 1 10 1991 Alice 30 12 1990 Tom 15 8 1993 Jerry 18 9 1990 Garfield 20 9 1990	Tom Jerry