

Sorting People by Money, Age

The Problem

Given a list of people and their age and how much money they have, sort the list by money, from greatest to least, breaking ties by age. You are guaranteed that no two people in the list with the same amount of money will be the same age.

The Input

The first line will have a single integer, n , representing the number of people to sort. The following n lines will contain information, 1 per person. The first item on each line will be the person's name, a string of alphabetic characters. This will be followed by a space and the age of that person. Finally, that will be followed by a space and the amount of money the person has in dollars. The age will be an integer in between 1 and 100, inclusive and the amount of money in dollars will be an integer in between 0 and 1000000, inclusive.

The Output

Output n lines, one line per person in the input file. Each line should have the name of a person, followed by a space, followed by their age, followed by a space, and ending with the amount of money they have in dollars. The order of the people should be based on the ordering specified above. Namely, if person A makes more money than person B, person A should appear before person B. If both person A and B make the same amount of money, then whoever is younger should appear first.

Sample Input

```
5
Adam 25 99
Bob 45 100
Carol 20 99
Dave 50 99
Eve 44 100
```

Sample Output

```
5
Eve 44 100
Bob 45 100
Carol 20 99
Adam 25 99
Dave 50 99
```