

Question #4: Combining store points

Objective: Working with Dictionary

A group of local convenient stores agree to create a point system. Points from various stores can be combined. You are to write a program that combine customers' points from various input convenient stores. Your program also needs to display customer and his/her points, showing the person with most points on top. If customers have equal points, order them by their names alphabetically.

INPUT

A number indicating how many stores we have.

For each store:

A number of people we want to input the points information.

Name and points of each person (separated by space).

(please see the examples)

OUTPUT

Printing pairs of (name, points - separated by space), sorted in descending order according to the value of points (sorted alphabetically by names, if the points are equal).

EXAMPLES

Input (from keyboard)	Output (on screen)	Description of Input
1 3 Kim 4 Shammy 7 Ranka 5	Shammy 7 Ranka 5 Kim 4	1 store It has 3 customers Kim has 4 points Shammy has 7 points Ranka has 5 points
2 2 Minmay 5 Misa 3 2 Kim 6 Misa 3	Kim 6 Misa 6 Minmay 5	2 stores 1 st store has 2 customers Minmay has 5 points Misa has 3 points 2 nd store has 2 customers Kim has 6 points Misa has 3 points
3 4 Kim 6 Vanessa 10 Misa 8 Minmay 5 3 Hikaru 7 Misa 5 Vanessa 4 5 Minmay 8 Vanessa 3 Shammy 13 Hikaru 5 Kim 8	Vanessa 17 Kim 14 Minmay 13 Misa 13 Shammy 13 Hikaru 12	3 stores. 1 st store has 4 customers Kim has 6 points Vanessa has 10 points Misa has 8 points Minmay has 5 points 2 nd store has 3 customers Hikaru has 7 points Misa has 5 points Vanessa has 4 points 3 rd store has 5 customers Minmay has 8 points Vanessa has 3 points Shammy has 13 points Hikaru has 5 points Kim has 8 points

TESTCASES in Grader

Testcases will be grouped. Each group has the following criteria:

Testcases quantity	Test case characteristics
1/8	No sorting needed. The input already has information in correct order.
1/8	Sorted only by total points. No sorting by name.
1 / 4	Program applied to 1 store.
1 / 4	Program applied to 2 stores.
1 / 4	Program applied to more than 2 stores.