

1376 - I2P CS 2017 Fall Chen Final Exam

[Scoreboard \(/contest/scoreboard/1376/\)](/contest/scoreboard/1376/)

Time

2018/01/08 15:30:00

Contest Ended

2018/01/08 19:20:00

Clarification

#	Problem	Asker	Description	Reply	Replier	Reply Time	For all team
1	11790 - Secret Letter	judgevllab	考試剩不到15分鐘囉~ 把握第一筆測資	真的是範測	judgevllab	2018/01/08 18:44:44	✓

[Overview](#)[Problem ▾](#)

11778 - Final Exam - Problem D

[Status \(/status/?pid=11778\)](/status/?pid=11778) | [Limits](#)[Submit \(/users/submit/11778\)](/users/submit/11778)

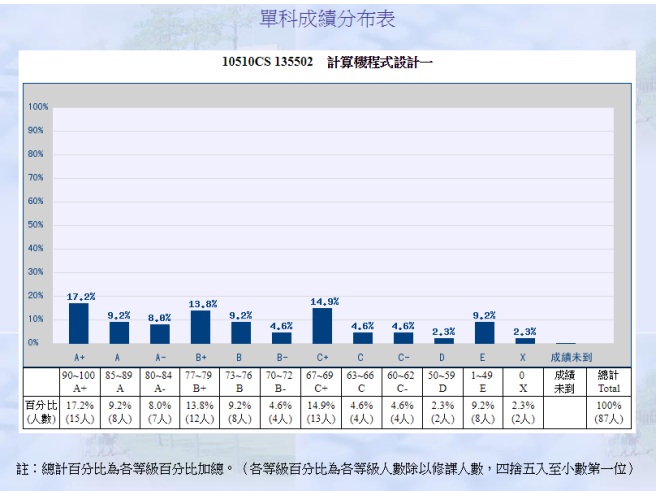
Description

Problem D - Grade

Now HT gives a list of students and their score, your task is to sort their score in decreasing order.

If there are many students with the same score, you need to maintain their relative order in the original list.

That is, if whenever there are two students **A** and **B** with the same score and with **A** appearing before **B** in the original list, **A** will appear before **B** in the sorted list.



Input

The input consists of a single test case in the following format.

n

$s_1\ c_1$

$s_2\ c_2$

...

...

$s_n\ c_n$

The first line contains one integer n satisfying $1 \leq n \leq 1000$. n denotes the total number students on the given list. The next n lines show the information of students. The i -th line of them contains a string s_i whose length is between 1 and 50 , inclusive, and an integer c_i satisfying $0 \leq c_i \leq 100$, which means that the i -th student has the name s_i and his/her score is c_i .

Output

Print the list of students' names after sorting, each name with a line.

Sample Input

Download (data:text/plain;charset=utf-8,4%0D%0ARoy%2099%0D%0AFeng%2099%0D%0Ahsuan%20100%0D%0AJohnson%2087)

```
4
Roy 99
Feng 99
hsuan 100
Johnson 87
```

Sample Output

Download (data:text/plain;charset=utf-8,hsuan%0D%0ARoy%0D%0AFeng%0D%0AJohnson)

```
hsuan
Roy
Feng
Johnson
```

Tags

Discuss