2344 - Encountering the Medal Table

Description

In Olympics a medal table is a way to know the most prolific countries in sports. It shows the number of gold, silver and bronze medals earned by athletes representing each country. The convention used is to put at the top the country with the biggest number of gold medals, if a tie occurs then the number of silver medals is taken into consideration, if the tie continues then the number of bronze medals is taken into consideration.

Given a list of countries and the earned medals by each one, output the medal table using the criteria discussed above.

Input specification

Input consists of several test cases (but no more than **50**). Test cases are separated by a @. A test case is a list of at most **25** countries consisting of **n g s b** each separated by one space.
Where:
•**n** is the country's name; less than **64** characters and no whitespace.
•**g** is an integer between **0** and **10^6** indicating the number of gold medals.
•**s** is an integer between **0** and **10^6** indicating the number of silver medals.
•**b** is an integer between **0** and **10^6** indicating the number of bronze medals.
There are no empty lines and input ends with the # character.

Output specification

Output the medal table, if there are two or more countries with the same medal count order them alphabetically. Print a @ between test cases.

Sample input

```
USA 34 20 13
Mexico 1 1 4
China 28 14 19
Argentina 0 1 1
@
USA 34 20 13
Mexico 1 1 4
China 28 14 19
```

```
Argentina 0 1 1
Brazil 4 0 13
Rusia 28 14 19
#
```

Sample output

```
USA
China
Mexico
Argentina
@
USA
China
Rusia
Brazil
Mexico
Argentina
```

Hint(s)

Source	Misael Madrigal
Added by	**ymondelo20**
Addition date	2013-04-09
Time limit (ms)	3000
Test limit (ms)	1000
Memory limit (kb)	256000
Output limit (mb)	64
Size limit (bytes)	30000
Enabled languages	Bash C C# C++ Java Pascal Perl PHP Python Ruby Text