

12 Bike race

4 points

Introduction

Next month, there will be a bike race in Montsec and the race organizers have asked you to create an application to calculate the final classification. It will be a timed race, the competitors will start at different times, and the important thing is the time they take to complete the circuit.

To know how long a competitor takes, there will be two sensors that will save both the timestamp the cyclist starts and the time he crosses the finish line. This data will be sent to your application.

The timestamps are epoch time, meaning that each timestamp will save the seconds elapsed since 1970.

Input

The input will be a sequence of all the competitors names with their initial and their final timestamp value, ending with a #.

```
Bernard 1483519913 1483523201
Joel 1483520440 1483523498
Lucas 1483521040 1483524254
#
```

Output

The output should be a list of all the competitors, each of them with their final result expressed in seconds, and sorted by first to last position.

```
Joel 3058
Lucas 3214
Bernard 3288
```

