# Problem 3 – Exam Score

We are given a table of students with exam score and grades in the following form:

Name	Exam Score	Grade
Peter Ivanov George Stefanov Maria Petrova Petya Georgieva Diana Kirova Darin Mihaylov	306   120   400   400   120   400	5.26     3.12     6.00     6.00     3.23     5.00

Write a program to aggregate the exam score data and print for each exam score all students, which have that score and the average grade for these students. Use the following format <score> -> [<student<sub>1</sub>>, <student<sub>2</sub>>, ...]; avg=<avg grade>". Order the score in ascending order. Order the students alphabetically. Print the average grade rounded with exactly 2 digits after the decimal point. In our example, the output should be the following:

```
120 -> [Diana Kirova, George Stefanov]; avg=3.18
306 -> [Peter Ivanov]; avg=5.26
400 -> [Darin Mihaylov, Maria Petrova, Petya Georgieva]; avg=5.67
```

## Input

The input comes from the console. At the first 3 lines stays the header of the form that don't have important information for you, followed by a few lines holding exam information in format <name> | <score> | <grade>, separated by whitespaces and pipes. Student names are unique. The last line is the footer and consists of '-' only. The input data will always be valid and in the format described. There is no need to check it explicitly.

### **Output**

Print for each **exam score** (increasingly) all **students** (alphabetically), which have that score and the **average grade** for these students in the above described format (see also the examples).

#### **Constraints**

- The **count** of the input lines is in the range [5...1000] including the table header and borders.
- The **<score>** is an integer in the range [0...400].
- The <name> consists of only of Latin characters and spaces, with length of [1...50].
- The **<grade>** is a number number in the range [2.00...6.00].
- Time limit: 0.3 sec. Memory limit: 16 MB.

# **Examples**

















