# Problem 3 – Exam Score

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

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| Name | Exam Score | Grade |

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| Peter Ivanov | 306 | 5.26 |

| George Stefanov | 120 | 3.12 |

| Maria Petrova | 400 | 6.00 |

| Petya Georgieva | 400 | 6.00 |

| Diana Kirova | 120 | 3.23 |

| Darin Mihaylov | 400 | 5.00 |

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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> -> [<student1>, <student2>, …]; 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:

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| --- |
| 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 score:name:grade

|  |  |
| --- | --- |
| **Input** | **Output** |
| --------------------------------------------  | Name | Exam Score | Grade |  --------------------------------------------  | George Ivanov | 306 | 5.26 |  | George Stefanov | 120 | 3.12 |  | Petya Koleva | 400 | 6.00 |  | Aleksandar Stoyanov | 300 | 5.00 |  | Diana Kirova | 120 | 3.23 |  | Ivan Ivanov | 0 | 2.00 |  | Kalin Petrov | 300 | 5.40 |  | Stoyan Kotsev | 400 | 5.00 |  | Krasimir Mihaylov | 400 | 5.98 |  -------------------------------------------- | 0 -> [Ivan Ivanov]; avg=2.0  120 -> [Diana Kirova, George Stefanov]; avg=3.18  300 -> [Aleksandar Stoyanov, Kalin Petrov]; avg=5.20  306 -> [George Ivanov]; avg=5.26  400 -> [Krasimir Mihaylov, Petya Koleva, Stoyan Kotsev]; avg=5.66 |