## Bunker

Using a **comprehension**, write a program that finds the **number** of given **items** in a bunker and their **average quality**.

On the first line, you will be given **all item categories** present in the bunker, then you will be given a number (**n**). On the next **"n"** lines, you will be given different items in the following format:

**"{category} - {item\_name} - quantity:{item\_quantity};quality:{item\_quality}"**

Store that information, you will need it later. After you receive all the inputs, **print** the **total amount** of items (**sum the quantities**) in the format:

**"Count of items: {count}"**

After that, print the **average quality** of all items in the following format, **formatted to the second digit**:

**"Average quality: {quality sum/categories count}"**

Finally, **print** all **categories** with the **items** on **separate lines** in the format:

**"{category} -> {item1}, {item2}, …"**.

### Examples

|  |  |
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| **Input** | **Output** |
| food, water, materials, metal  5  food - pizza - quantity:10;quality:5  water - mineral - quantity:5;quality:10  materials - wood - quantity:2;quality:5  metal - copper - quantity:3;quality:10  food - burgers - quantity:5;quality:2 | Count of items: 25  Average quality: 8.00  food -> pizza, burgers  water -> mineral  materials -> wood  metal -> copper |