**Nikulden’s meals**

*Now you want to find out which meals your guests liked and how many meals they didn't like*

Create a program that keeps information about guests liked and unliked meals.

You will be receiving **lines** with commands until you receive the **"Stop"** command. The **possible** commands are:

* **"Like-{guest}-{mea1}":**
  + Add the **{mea1}** to the **{guest}’s** collection of meals.
  + If the guest **doesn't** exist, **add** it to your record.
  + If the guest **already has the meal** in his collection, don’t add it.
* **"Unlike-{guest}-{meal}":**
  + **Remove**  the meal of the given guest’s collection and print:

**"{Guest} doesn't like the {meal}."**

**You must keep the count of unliked meals!**

* + If the guest doesn’t exist, print:

**"{Guest} is not at the party."**

* + If the guest doesn’t have the meal at the like list, print:

**"{Guest} doesn't have the {meal} in his/her collection."**

In the end, you have to **print the guests with their liked meals** sorted in **descending order** by each guest **meals** **count** and **then by** their **names** in **ascending** order. Then print the count of **unliked meals** in the format below

**{Guest1}: {meal1}, {meal2}, {meal3}**

**{Guest2}: {meal1}, {meal2}**

**...**

**Unliked meals: {count of all unliked meals}**

**Input**

* You will be receiving linesuntil you receive the **"Stop"** command.
* The input will **always** be **valid**.

## Output

* **Print** the guests with their **meals** in the **format** described above.
* **Print** the count of **unliked meals** in the **format** described above.

## Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| Like-Krisi-shrimps  Like-Krisi-soup  Like-Misho-salad  Like-Pena-dessert  Stop | Krisi: shrimps, soup  Misho: salad  Pena: dessert  Unliked meals: 0 |
| **Input** | **Output** |
| Like-Krisi-shrimps  Unlike-Vili-carp  Unlike-Krisi-salad  Unlike-Krisi-shrimps  Stop | Vili is not at the party.  Krisi doesn't have the salad in his/her collection.  Krisi doesn't like the shrimps.  Krisi:  Unliked meals: 1 |