# 03. Problem

*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 disliked meals.

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

* **"Like-{guest}-{meal}":**
* Add the **{meal}** 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 lines until 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-Penelope-dessert',  'Stop'  ] | Krisi: shrimps, soup  Misho: salad  Penelope: dessert  Unliked meals: 0 |
| [  '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 |
| [  'Like-Mike-frenchFries',  'Like-Mike-salad',  'Like-George-fruit',  'Like-Steven-salad',  'Unlike-Steven-salad',  'Unlike-Steven-fruit',  'Stop'  ] | Steven doesn't like the salad.  Steven doesn't have the fruit in his/her collection.  Mike: frenchFries, salad  George: fruit  Steven:  Unliked meals: 1 |