## \*The V-Logger

Create a program that keeps information about **vloggers** and their **followers**. The **input** will come as e sequence of strings, where each string will represent a **valid** command. The commands will be presented in the following format:

* "{vloggername}" **joined The V-Logger** – keep the vlogger in your records.
  + Vloggernames **consist** **of only one word**.
  + If the **given** vloggernamealready **exists, ignore** thatcommand**.**
* "{vloggername} followed {vloggername}" – The first vlogger followed the second vlogger.
  + If **any** of the **given vlogernames** **does not exist** in you collection, **ignore** thatcommand**.**
* **"Statistics" -** Upon receiving this command, you have to print a statistic about the vloggers.

Each vlogger has an unique **vloggername**. **Vloggers** can **follow other vloggers** and a vlogger **can follow** **as many other vloggers** **as he wants**, but he **cannot** follow **himself** or follow someone he is **already a follower** **of**. You need to print the **total** **count** of **vloggers** in your collection. Then you have to print the **most** **famous** **vlogger** – the one with the most followers, with **his** **followers.** If more than one vloggers have the **same** **number** of **followers**, print theone **following less** people and his **followers** should be printed in **lexicographical order (**in case the vlogger has **no followers**, print just the first line, which is described **below**). Lastly, print the **rest** **vloggers**, ordered by the **count** of followers in **descending** order, then by the number of vloggers he follows in **ascending** **order.** The **whole output must be** in the following format:

**"The V-Logger has a total of {registered vloggers} vloggers in its logs.**

**1.** {mostFamousVlogger} : {followers} followers, {followings} following

\* {follower1}

\* {follower2} …

**{No}.** {vlogger} : {followers} followers, {followings} following

**{No}.** {vlogger} : {followers} followers, {followings} following…"

### Input

* The input will come in the format described above.

### Output

* On the first line, print **the total count of vloggers** in the format described above.
* On the second line, print the **most** **famous** vlogger in the format described above.
* On the **next** lines, print all of the **rest** vloggers in the format described above.

### Constraints

* There will be **no** **invalid** input.
* There will be no situation where **two** **vloggers** have **equal** count of **followers** and **equal** count of **followings**
* Allowed time/memory: **100ms/16MB**.

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| EmilConrad joined The V-Logger  VenomTheDoctor joined The V-Logger  Saffrona joined The V-Logger  Saffrona followed EmilConrad  Saffrona followed VenomTheDoctor  EmilConrad followed VenomTheDoctor  VenomTheDoctor followed VenomTheDoctor  Saffrona followed EmilConrad  Statistics | The V-Logger has a total of 3 vloggers in its logs.  1. VenomTheDoctor : 2 followers, 0 following  \* EmilConrad  \* Saffrona  2. EmilConrad : 1 followers, 1 following  3. Saffrona : 0 followers, 2 following |
| JennaMarbles joined The V-Logger  JennaMarbles followed Zoella  AmazingPhil joined The V-Logger  JennaMarbles followed AmazingPhil  Zoella joined The V-Logger  JennaMarbles followed Zoella  Zoella followed AmazingPhil  Christy followed Zoella  Zoella followed Christy  JacksGap joined The V-Logger  JacksGap followed JennaMarbles  PewDiePie joined The V-Logger  Zoella joined The V-Logger  Statistics | The V-Logger has a total of 5 vloggers in its logs.  1. AmazingPhil : 2 followers, 0 following  \* JennaMarbles  \* Zoella  2. Zoella : 1 followers, 1 following  3. JennaMarbles : 1 followers, 2 following  4. PewDiePie : 0 followers, 0 following  5. JacksGap : 0 followers, 1 following |