**Problem 2. Practice sessions**

*The racers must practice for the race. Your job is to keep the records of the roads and the time for each lap. The track with the best time will be the chosen one for the finals.*

**

Write a program, that keeps information about **roads** and **the racers** who practice on them. When the practice begins, you’re going to start receiving data until you get the "**END**" message. There are three possible commands:

* "Add->{road}->{racer}"
  + Add the **road** if it **doesn't exist** in your collection and add the **racer** to it.
* "Move->{currentRoad}->{racer}->{nextRoad}"
  + Find the **racer** on the **current road** and move him to the **next one,** only if he **exists** in the **current road.** Both roads will always be **valid** and will **already exist**.
* "Close->{road}"
  + Find the **road** and **remove** it from the sessions, **along** **with** the **racers** on it **if it exists**.

In the end, print all of the **roads** with the **racers** who have practiced and **ordered by the count of the racers in descending order**, **then by** the **roads** in **ascending** order. The output must be in the following format:

**Practice sessions:**

**{road}**

**++{racer}**

**++{racer}**

**++{racer}**

………………………..

## Input / Constraints

* You will be receiving lines of information in the format described above, until you receive the **"END"** command.
* The input will always be in the right format.
* Both **roads** from the "**Move**" command will always be **valid** and you don't need to check them explicitly.

## Output

* Print the **roads** withtheir **racers** in the **format described above**.

## Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| Add->Glencrutchery Road->Giacomo Agostini  Add->Braddan->Geoff Duke  Add->Peel road->Mike Hailwood  Add->Glencrutchery Road->Guy Martin  Move->Glencrutchery Road->Giacomo Agostini->Peel road  Close->Braddan  END | Practice sessions:  Peel road  ++Mike Hailwood  ++Giacomo Agostini  Glencrutchery Road  ++Guy Martin |
| **Comments** | |
| We add racers to the roads they are racing on. When we receive the "**Move**" command, we **check** if **Giacomo Agostini** is on **Glencrutchery Road** and if he is, we **remove** him from it and **add** him to the next one - **Peel road**.  When we receive the "**Close**" command, we **remove** Brandon road and **remove** all its records. In the end we print the **roads** **sorted** by the **count** of **racers** on them and **then by** the **names** of the **roads** in **ascending order**. | |
|  | |
| Add->Glen Vine->Steve Hislop  Add->Ramsey road->John McGuinness  Add->Glen Vine->Ian Hutchinson  Add->Ramsey road->Dave Molyneux  Move->Ramsey road->Hugh Earnsson->Glen Vine  Add->A18 Snaefell mountain road->Mike Hailwood  Add->Braddan->Geoff Duke  Move->A18 Snaefell mountain road->Mike Hailwood->Braddan  Move->Braddan->John McGuinness->Glen Vine  Close->A18 Snaefell mountain road  END | Practice sessions:  Braddan  ++Geoff Duke  ++Mike Hailwood  Glen Vine  ++Steve Hislop  ++Ian Hutchinson  Ramsey road  ++John McGuinness  ++Dave Molyneux |

