# Problem 4. DOTA 2 Tournament

You have been tasked to make system to manage teams for Dota 2 Tournament.

You will receive three types of input lines in the following format:   
Adding a team: New team -> {teamName} -> {playerName1}, {playerName2}... {playerName5}

Removing a team: Disqualification -> {teamName}

Adding win to team: Win -> {teamName}

The teamName and playerNames will be **strings**. The wins will be an **integer**. Your task is to store every **team** and his **players** or **remove team** and his **players**. Players will be **exactly five**.

The **input sequence ends** when you **receive** the command “Tournament end”.   
Then you must print all teams, their players and wins. Each **team** must be **ordered** by **wins** in **descending order**.

### Input

* The input will come in the form of lines in the format specified above.
* The input sequence ends when you receive the command “Tournament end”.

### Output

* **Teams**, their **players and wins** must be printed in the following format:

“{teamName} - {player1, player2,…player5} -> {wins}

{teamName} - {player1, player2,…player5} -> {wins}

…”

* If you have received the **ending command**, and you are printing the **teams, players and wins**, the order is – by wins in **descending order**.

### Constrains

* The teamName and player names are strings.
* Allowed time / memory: **100ms / 16 MB**.

### Examples

|  |  |
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| **Input** | **Output** |
| New team -> ProPlayers -> Nikolay, Gosho, Pesho, Stamat, Mitko  New team -> Spartancite -> Miro, Rosen, Stoyan, Nikolay, Gosho  Win -> Spartancite  Tournament end | Teams:  Spartancite - Miro, Rosen, Stoyan, Nikolay, Gosho -> 1 wins  ProPlayers - Nikolay, Gosho, Pesho, Stamat, Mitko -> 0 wins |
| New team -> ProPlayers -> Nikolay, Gosho, Pesho, Stamat, Mitko  New team -> Spartancite -> Miro, Rosen, Stoyan, Nikolay, Gosho  Win -> Spartancite  Win -> Spartancite  New team -> Fnatic -> Pesho, Parkash, Misho, Ivo, Pavel  Disqualification -> ProPlayers  Win -> Fnatic  Tournament end | Teams:  Spartancite - Miro, Rosen, Stoyan, Nikolay, Gosho -> 2 wins  Fnatic - Pesho, Parkash, Misho, Ivo, Pavel -> 1 wins |