# MeTube Statistics

Let’s create a video platform such as YouTube. It will be called MeTube. Your task is to store videos, videos’ views and likes.

You will be receiving lines in the following format: "{videoName}-{views}" **until you receive** "stats time".You should **store video and its views**, if the video already exists **add the views to it**.  
You can receive a **command to rate** a video in the following format: "like:{video}" or "dislike:{video}". The **like command** will **give a single like** whereas the dislike command will remove a like, but the given video **needs to exist**.

After receiving "stats time" you will receive an order criterion – either "by views" or "by likes". If you receive "by views" order the videos **by views in descending order**, otherwise order the videos b**y likes in descending order**.

Print each of the videos in the following format:

"{video} - {views} views - {likes} likes"

## Input

* Until you receive " stats time " you will be receiving videos in the following format: "{video}-{views}".
* You can receive a rate command -> "like {video}" or "dislike {video}".
* After "stats time" you will receive either "by views" or "by likes".

## Output

* Print the statistics for each video in the following format: "{video} - {views} views - {likes} likes"

## Constraints

* The views will be a **valid integer in the range [1-1000]**.
* The video's name **will not contain dashes** ('-') or **colon** (':').
* Allowed working **time** / **memory**: **100ms** / **16MB**.

## Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| Eninem Venom-500  like:Eninem Venom  Funny Cats-700  like:Funny Cats  like:Funny Cats  Eninem Venom-300  stats time  by likes | Funny Cats - 700 views - 2 likes  Eninem Venom - 800 views - 1 likes |
| Eminem Ringer-300  Messi Top Goals-500  like:Eminem Ringer  like:Eminem Ringer  dislike:Eminem Ringer  stats time  by views | Messi Top Goals - 500 views - 0 likes  Eminem Ringer - 300 views - 1 likes |