

# Problem G - Volleyball

**Time Limit: 1 second**

Your task in this problem is to find out the classification of volleyball teams in a cup, and also the best teams according to some criterias.

You will be given a number of cups, each one with some teams competing. Then, you will be given the matches and their results. A team win a match if it has won **3** sets. There will at most **5** sets per match. There are no draws. A team wins a set if it has made 25 or more points and the other team is at least two points behind.

## Input

The input consists of several cups. Each cup is to be considered alone. Each cup description begins with a line indicating the number of teams competing in that cup,  $2 < T < 1000$ . Then, **T** lines will follow, each one with the name of one team competing in this cup. Team names are **20** character or less and may contain spaces and letters.

Following, there will be a line with  $1 < M < 1000$  indicating the number of matches already played on this cup. The next **M** lines will have the description of a single match. Each match description begins with the name of both teams of that match separated by a single dash ( - ). Following the name of the second team there will be a collon ( : ). After the name of the teams it will follow the descriptions of the sets played on the match. A set will have the total points of the first team on the set, than a single dash, than the total points of the second team.

The input is terminated with a cup where **T = 0**. This case is not to be considered. Each cup is separated by a blank line.

See sample input for the correct format of the input.

## Output

For each cup, print the classification of the cup after the presented matches. The team classification will be according to the following rules, respectively:

- The number of winning matches
- The number of winning sets less the number of lost sets
- The number of points scored

If the teams are still tied after considering the criterias above, sort them by their names.

Output a blank line after each cup result. Your output must follow the format presented on sample output.

## Sample Input

```
3
Team1
Team2
Team 3
3
Team1-Team2: 25-19 25-20 25-23
Team1-Team 3: 1-25 2-25 3-25
Team2-Team 3: 25-21 31-29 29-31 29-31 33-35

0
```

## Sample Output

```
1234567890123456789012345678901234567890 ---> Don't print this line, use only as reference
Team 3          2      4      222
Team1           1      0       81
Team2           0     -4      209
```