# Problem 3. Football League

**You will be given** information about **results of football matches**. **Create a standings table by points.** For **win the team gets 3** **points**, **for loss – 0** and **for draw – 1**. Also **find the top 3 teams with most scored goals in descending order**. If **two or more teams** are with **same goals scored** or **same points** **order them by name** in **ascending order**.

The name of each team is **encrypted**. You must **decrypt it before** **proceeding with calculating** statistics. You will be given some **string key** and the **team name will be placed between that key in reversed order.**

**For example:** the **key**: “???”;

**String to decrypt**: “kfle???airagluB???gertIt%%” -> “airagluB” -> “Bulgaria”

Also you should **ignore the letter casing** in the team names. **For example:**

buLgariA = BulGAria = bulGARIA = BULGARIA

## Input / Constraints

* On the **first line** of input you will get the **key** that will be used for decryption
* On the next lines until you receive “**final**” you will get lines in format:

**{encrypted teamA} {encrypted teamB} {teamA score}:{teamB score}**

* **Team scores** will be **integer numbers** in the **range [0...231]**

## Output

**League standings:**

**{place}. {TEAM NAME} {points}**

**...**

* **Print the standings table** **ordered descending by points** in format:

Where **place** is a number in range **[1… number of teams].**

**Top 3 scored goals:**

**- {team name} -> {goals}**

**- {team name} -> {goals}**

**- {team name} -> {goals}**

* Then you should print the top 3 team **ordered by goals in descending order** in format:
* **All team’s names** should be **uppercase.**
* **For more clarification, see the examples on the next page.**

## Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| ??  ??ecnarF?? ??kramneD?? 0:0  ..??airagluB??32 ??dnalgnE??gf 3:2  Fg??NIAPS?? fgdrt%#$??YNAMREG??gtr 3:4  ??eCnArF?? >>??yLATi??<< 2:2  final | League standings:  1. BULGARIA 3  2. GERMANY 3  3. FRANCE 2  4. DENMARK 1  5. ITALY 1  6. ENGLAND 0  7. SPAIN 0  Top 3 scored goals:  - GERMANY -> 4  - BULGARIA -> 3  - SPAIN -> 3 |
| **Input** | **Output** |
| KZL  fdKZLairagluBKZL KZLkramneDKZLll 2:0  kzljjjKZLAiRaGluBKZL KZLylATIKZLkk 1:1  KZLkRamnedKZL KZLYlatiKZL 4:4  final | League standings:  1. BULGARIA 4  2. ITALY 2  3. DENMARK 1  Top 3 scored goals:  - ITALY -> 5  - DENMARK -> 4  - BULGARIA -> 3 |