



1. Registration

This is a practice contest of 2019 FunctionCup.

I wanted to check that you really registered to the main contest and all of your team members did the practice contest. Thus, you should submit an output file `registration.txt` with the following format:

- line 1: S , the username of your team's main contest account
- line 2: N , the number of members of your team
- line $3 + i$ ($0 \leq i \leq N - 1$): $H[i] U[i]$
 - Suppose the members of your team is numbered from 0 through $N - 1$.
 - $H[i]$ is the oj.uz handle of the member i
 - $U[i]$ is the username of member i 's practice contest account
 - If you don't know $U[i]$, you should print an arbitrary string like "0" instead, in order to get partial points. (See Scoring)

Each string should only consist of Latin alphabet ('A'-'Z' and 'a'-'z'), digits ('0'-'9'), and underscores ('_'). Note that all handles and usernames are case-insensitive.

Example

Suppose your team consists of three users `admin`, `yourID` and `imsifile`. Each of them registered to the practice contest and the usernames of their practice contest accounts are `fgjaskdak`, `asjnkajss`, and `ofuisaadw`, respectively. The username of your team's contest account is `djahgqiusa`.

Then, this is a correct output:

```
djahgqiusa
3
admin fgjaskdak
imsifile asjnkajss
yourID ofuisaadw
```

Since order of handles doesn't matter, this is also a correct output:

```
djahgqiusa
3
yourID ofuisaadw
admin fgjaskdak
imsifile asjnkajss
```

Since oj.uz handles and contest account usernames are case-insensitive, this is also a correct output:

```
djahGqiuSa
3
Yourid ofuisaadW
Admin fgjaskdak
imsIFile AsjnKajss
```

Scoring

- If the output format is incorrect, you get 0 points.
- If the output format is correct:
 - First, we find an contest account from the main contest with username S .
 - If there is no such account, or $H[i]$ values doesn't match the found contest account, you get 0 points. Note that if any of $H[i]$ is not correct, you get 0 points.
 - Otherwise, if K out of N $(H[i], U[i])$ pairs are correct, you get $28 + 72 \times K/N$ points.

To prevent member changes of the team after you submit the answer to this problem, we are going to rejudge all submissions regularly.

After the contest ends, all submissions will be finally rejudged.