

NCAA

Input File: NCAA.txt

The NCAA Division 1 baseball playoffs is about to begin. It is a single elimination tournament, one loss and you go home. St. Joseph's College (SJC) had a good team last year, but we lost to the University of Southern California (USC) in the finals.

The NCAA has adopted a String notation used to keep track of the winners and losers, and which teams play each other. As part of the notation each team is assigned a unique abbreviation (e.g., SJC is the abbreviation for St. Joseph's College, USC for University of Southern California). Using these abbreviations and the letters L for lost and W for win, the NCAA notation SJC USC W or USC SJC L would both indicate that the University of Southern California defeated St. Joseph's College. Similarly, the notation SJC USC PEN L W and SJC USC W PEN L would both indicate that USC was the winner of a three team tournament between SJC, USC and PEN.

Write a program to determine the winner of the NCAA baseball championship given the NCAA String notation.

Inputs

The first line will contain the number of tournaments to process. This will be followed by one line per tournament that contains the NCAA String notation for the tournament.

Outputs

For each tournament output the winner, one tournament winner per output line.

Sample inputs

```
4
SJC USC PEN L W
SCJ USC W PEN L
SJC USC PEN L W PSU W FSU L
NCS USC PEN SJC W USC PEN W L W W
```

Sample output

```
USC
USC
PSU
SJC
```