

## 16 Rock Paper Scissors

Write a program to determine the winner of a series of games of Rock-Paper-Scissors. In this game, Rock wins Scissors, Scissors wins Paper and Paper wins Rock. If both players choose the same option, the game is a tie.

The first line of input the program will be a number  $1 \leq N \leq 100$ , which specifies the number games to judge. There will follow  $N$  lines, with two words on each line, separated by a space. Each word will be Rock, Paper or Scissors. Player A is the first word, and player B is the second word.

The output from the program will contain  $N$  lines. The each line will say “A wins”, “B wins”, or “tie”.

Note: The  $\leftarrow$  symbol in the examples below represents a newline character.

### Sample Input

```
3←  
Rock Paper←  
Paper Rock←  
Scissors Scissors←
```

### Sample Output

```
B wins←  
A wins←  
tie←
```