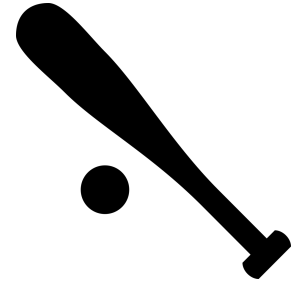


Baseball Scores

It's baseball playoff season, and the teams are better than ever! In baseball, two teams are competing to score the most "runs" by having a player touch three bases before returning to home plate.

However, we're having a bit of trouble figuring out who won each game. From a final score, can you help us determine which team wins?



Input

The first line contains a single number **n**, consisting of how many games to determine the winner of. Following are exactly **n** lines, each consisting of two strings with team names, followed by two integers of the team's scores. Every team name will be between 1 and 20 characters, and every score will be between 0 and 20. Each string and integer will be separated by a single space. Teams will not have the same score.

Output

For each game, give the name of the winning team, followed by the string " win!" on a single line.

Sample Input

```
3
Mariners Rangers 5 3
Ducks Huskies 4 9
Colonials Cavaliers 0 1
```

Sample Output

```
Mariners win!
Huskies win!
Cavaliers win!
```