

2691 - First vs Second

Description

As everyone knows in the Faculty of our friend Octavito all year programming competition between first and second place. At the end of the year the winner is determined taking into account the number of problems accepted by each team. Event organizers are busy putting together the problems that are going to get in this competition and you want to help them determine the end of the competition year who is the winner.

Input specification

The entry contains two numbers $1 \leq n$, $m \leq 30$ representing the number of teams that presented each year, n is the number of teams in first and m the number of machines of a second. On the next line will appear separated by a space n represents the number of problems per accepted freshman team numbers. On the next line appear m separated by a space representing the number of problems they solved each of the teams second year numbers.

Output specification

The output contains a string indicating the year winner, if first year second resolved most problems should print "first win", if it was otherwise "second win", and if the same number of solved problems "tie";

Sample input

```
8 9
2 2 2 2 2 2 2 2
2 2 2 2 2 2 2 1 1
```

Sample output

```
tie
```

Hint(s)

Source

José Nolberto Isac González

Added by

Igvallejo

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