

GFSSOC '14 Winter J4 - Tic Tac Moe!

Time limit: 1.0s **Memory limit:** 16M

Griffy was about to finish the elusive A Times B problem, when Timothy Li scoffed at him and challenged him to a blind tic-tac-toe match! Griffy is playing as `O` and Timothy is playing as `X`. After a sequence of random moves, a 3 by 3 board has been filled with `O`s and `X`s. Both Timothy and Griffy are stuck trying to get their blindfolds off (can't write a program for that, unfortunately), so you decide to determine who wins to avoid 5 hours of blindfold-taking-off.

Note: A player wins if there are 3 of the same character in a row, column or diagonal. A player winning in multiple ways in one game is a valid win.

Input Specification

3 lines, representing a grid.

Output Specification

One line, output the string:

- `Error, redo` if both `O`s and `X`s win,
- `Tie` if neither player wins,
- `Griffy` if only `O` wins,
- `Timothy` if only `X` wins.

Sample Input

```
O O X
X O X
X X O
```

Sample Output

```
Griffy
```