A. The Great Game

time limit per test: 1 second
memory limit per test: 256 megabytes
input: standard input
output: standard output

Two teams meet in The Game World Championship. Some scientists consider this game to be the most intellectually challenging game in the world. You are given two strings describing the teams' actions in the final battle. Figure out who became the champion.

Input

The input contains two strings of equal length (between 2 and 20 characters, inclusive). Each line describes the actions of one team.

Output

Output "TEAM 1 WINS" if the first team won, "TEAM 2 WINS" if the second team won, and "TIE" if there was a tie.

Examples

input
```
[]()[]8<
8<[]()8<
```
output
```
TEAM 2 WINS
```

input
```
8<8<()
[]8<[]
```
output
```
TIE
```