**6. Fight!**

# Program Name: Fight.java Input File: fight.dat

Who would win, Superman or Goku? Nobody knows, but perhaps you can write a program to figure it out. You know all their stats, so it’s just a matter of doing some math with their total health in points, strength of one attack in points, and number of attacks per turn.

**Input**

The first line of input will contain a single integer n that indicates the number of distinct items being sold. The first line of each test case will contain the name of the first contestant, the contestant’s health, the contestant’s attack strength, and the contestant’s attack rate. The second line will contain the name of the second contestant, the contestant’s health, the contestant’s attack strength, and the contestant’s attack rate.

**Output**

Assuming each contestant begins to attack the other at the same time, print out the name of the winner, i.e. the contestant who is still alive when the other one dies. If both contestants die at the same time, print out TIE.

**Example Input File**

3

Superman 160 5 5

Goku 200 5 4

Bob 10 2 5

Jeff 20 2 5

Asdf 10 2 10

Hjkl 10 2 5

**Example Output to Screen**

TIE

Jeff

Asdf