Artificium

Game of Quarters

Runtime Limit – 3s

Problem Statement

Alice and Bob are playing a game of quarters. Each are going to try to predict a sequence of 3 coin flips that will appear before the other players sequence of 3 coin flips appear. They then toss a coin 20 times recording either H for heads and T for tails. They then reveal their predictions and determine who won the round.

Example:

Alice predicts **HTH**

Bob predicts **TTH**

The coin flips: **HTTHHTHTTHHHTHTHHTHH**

Bob wins since **TTH** appears before **HTH**

If neither Alice's nor Bob's sequence appears in the round then neither person wins.

If Alice and Bob have the same sequence and it appears in the round then both people win.

They play multiple rounds of this game and the person with the most rounds won is the overall winner.

Format

Input

Line 1: An integer *N* to indicate the number of rounds.

***N* Lines:** Alice's 3 sequence prediction followed by a space followed by Bob's 3 sequence prediction followed by a space followed by the recorded 20 tosses of a coin

Output

If Alice wins more rounds than Bob then **Alice wins!** should be printed.

If Bob wins more rounds than Alice then **Bob wins!** should be printed.

If neither has more wins than each other then **Draw!** should be printed.

Constraints

1 <= *N* <= 20

Sample

Input

1

HTH TTH HTTHHTHTTHHHTHTHHTHH

Output

Bob wins!