

8

Padel Tournament

6 points

Introduction

Cesar is the organizer of a Padel Tournament. Each time he receives the final score of each match he has to update the scoreboard and this is a very tedious work.

Help Cesar to write a program that given the result of a padel match, returns the final score and the winner.

In this tournament, padel matches are played as the best of 3 sets. Each set finishes when one team wins 6 games. If both teams win one set, then they are in a tie, so they play a super tie-break up to 10 points. See the following examples.

Input

The inputs of this problem are the teams names and the scores per each set:

- The first line is the name of the teams
- The second line is the score of the first set
- The third line is the score of the second set
- In case of a tie, the fourth line is the score of the super tie-break

Dash symbol, "-", is used to separate teams.

Output

One single line with the name of the winner and the final score with the format

`<Winner team> won the match <first team's score> - <second team's score>.`

Example 1

Input

Canariones - Chicharreros

6 - 0

6 - 0

Output

Canariones won the match 2 - 0.

Example 2

Input

Locomotiv - Guayamecos

1 - 6

6 - 8

Output

Guayamecos won the match 0 - 2.

Example 3

Input

Pio Pio! - GonCen

4 - 6

6 - 3

10 - 9

Output

Pio Pio! won the match 2 - 1.