✏️ Practice Arena

Practice problems aimed to improve your coding skills.

📂 PRACTICE-02_SCAN-PRINT

📂 PRACTICE-03_TYPES

📂 LAB-PRAC-02_SCAN-PRINT

📂 LAB-PRAC-01

📂 PRACTICE-04_COND

📂 BONUS-PRAC-02

📂 LAB-PRAC-03_TYPES

    ❓ FIFA Fever

    ❓ Matrix Math

    ❓ The Tale of Three Lines

    ❓ Fiery FIFA Fever

    ❓ The Final Rational

    ❓ Quadratic Quandary

    ❓ FIFA Fractions

    ❓ Digit Dilemma

    ❓ Recursive Recharge

    ❓ Breaking the Lego Safe

    ❓ The Final Rational Revisited

    ❓ Developing an interest in interest

📂 PRACTICE-05_COND-LOOPS

📂 LAB-PRAC-04_COND

📂 LAB-PRAC-05_CONDLOOPS

📂 PRACTICE-07_LOOPS-ARR

📂 LAB-PRAC-06_LOOPS

📂 LAB-PRAC-07_LOOPS-ARR

📂 LABEXAM-PRAC-01_MIDSEM

📂 PRACTICE-09_PTR-MAT

📂 LAB-PRAC-08_ARR-STR

📂 PRACTICE-10_MAT-FUN

📂 LAB-PRAC-09_PTR-MAT

📂 LAB-PRAC-10_MAT-FUN

📂 PRACTICE-11_FUN-PTR

📂 LAB-PRAC-11_FUN-PTR

📂 LAB-PRAC-12_FUN-STRUC

📂 LABEXAM-PRAC-02_ENDSEM

📂 LAB-PRAC-13_STRUC-NUM

📂 LAB-PRAC-14_SORT-MISC

FIFA Fractions

LAB-PRAC-03_TYPES

FIFA Fractions [10 marks]

Problem Statement

The FIFA World Cup is a global footballing event in which nations compete to win the coveted title of World Champion. This year's cup was held in Russia and was a delight to watch from a neutral point of view. Not so much if you were wishing for the biggies to win. There were so many surprises in this year's edition: Germany getting knocked out at group stage, Argentina being humbled by eventual winners France, and Croatia showing grit and will to reach their maiden Final.

In the first line of input you are given the team number which will be an **integer** and in the second line, you are provided the scores of three matches played by that team: a - b, c - d, e - f where a, c, e are **integers** representing goals scored by that team, and b, d, f are **integers** representing goals scored against that team by the opponent team.

The goal ratio of a match is defined as the ratio of goal scored by the team to the goals scored against that team. You need to compute the **sum of goal ratios** of all three matches in the format given below. The output should be rounded off to 3 places beyond the decimal point.

Caution

1. Be careful about extra/missing lines and extra/missing spaces.
2. We are asking for the sum of the goal ratios of the three matches.

INPUT:
Team Number: x
a - b, c - d, e - f

OUTPUT:
Goal Ratio sum for Team x: ratio

EXAMPLE:
INPUT
Team Number: 10
1 - 1, 0 - 3, 2 - 1

OUTPUT:
Goal Ratio sum for Team 10: 3.000

Grading Scheme:
Total marks: **[10 Points]**

There will be no partial grading in this question. An exact match will receive full marks whereas an incomplete match will receive 0 marks. Please be careful of missing/extra spaces and missing/lines (take help of visible test cases). Each visible test case is worth 1 point and each hidden test case is worth 2 points. There are 2 visible and 4 hidden test cases.

🍴 Start Solving! (/editor/practice/6024)