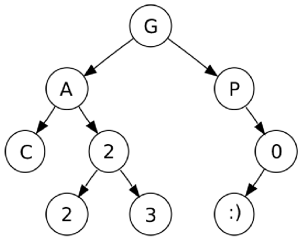## D   Discrete Structures

Time limit: 1s

The course Discrete Structures is a fundamental course in the first block of the first year of the Gaming, AI, and Practical Coding degree. In order to pass, students have to:

- Attend the lectures. If you don't, you might lose on very important information.

- Make three homeworks. The best two of them count equally towards 30% of the final grade.

- Make the midterm, which counts towards 20% of the final grade.

- Make the final exam, which counts towards 50% of the final grade.

This is not a binary search tree.

In order to help your fellow students, you decided to write a program that will compute the final grade for the course, given their grades.

Input

The input consists of five lines, each with one floating point number x ($1 \leq x \leq 10$), with at most 10 digits after the decimal point:

- One line containing the grade for the first homework.

- One line containing the grade for the second homework.

- One line containing the grade for the third homework.

- One line containing the grade for the midterm.

- One line containing the grade for the final exam.

Output

Output the final grade for the course.

Your answer should have an absolute or relative error of at most 10^{-6}.

Sample Input 1	Sample Output 1
8.5 4.1 8.9 9.2 10	9.45

Sample Input 2

Sample Output 2

8.4 9.0 7.2 6.8 5.9	6.92