COCI 2009/2010 **Task SOK**

5th round, 6. March 2010. 1 second / 32 MB / 30 points

Mirko and Slavko bought a few litters of orange, apple and pineapple juice. They are now whipping up a non alcoholic cocktail following a recipe they found on the Internet. Sadly, they figured out too late that not only you should use recipes when making cocktails, you should also use them when planning how much juice to buy.

Write a program that will determine how much of each juice they will have leftover, after they make as much cocktail as possible, respecting the recipe.

INPUT

The first line contains three integers, **A**, **B**, **C**, ($1 \leq$ **A**, **B**, **C** ≤ 500), amount of orange, apple and pineapple juice they bought, in liters.

The second line contains three integers, **I**, **J**, **K**, ($1 \leq$ **I**, **J**, **K** ≤ 50), the ratio of orange, apple and pineapple juice in the cocktail.

OUTPUT

The first and only line of output should contain three decimal numbers, leftover amounts of each juice, in liters.

Note: solutions with relative error 10^{-4} or smaller will be accepted.

SAMPLE TEST CASES

Input:	**Input:**	**Input:**
10 10 10 3 3 3	9 9 9 3 2 1	10 15 18 3 4 1
Output:	**Output:**	**Output:**
0 0 0	0 3 6	0 1.666667 14.666667