# Random number generator



## Random number generator

There is an ideal random number generator, which given a positive integer M can generate any **real number** between 0 to M, and probability density function is uniform in [0, M].

Given two numbers A and B and we generate x and y using the random number generator with uniform probability density function [0, A] and [0, B] respectively, what's the probability that x + y is less than C? where C is a positive integer.

# **Input Format**

The first line of the input is an integer N, the number of test cases.

N lines follow. Each line contains 3 positive integers A, B and C.

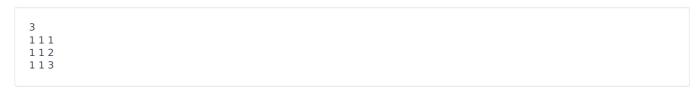
#### **Constraints**

All the integers are no larger than 10000.

## **Output Format**

For each output, output a fraction that indicates the probability. The greatest common divisor of each pair of numerator and denominator should be 1.

# **Sample Input**



## **Sample Output**

