

# 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

```
3
1 1 1
1 1 2
1 1 3
```

## Sample Output

```
1/2
1/1
1/1
```