

## A. Arko and His Innovative Running Track

Input file:           standard input  
Output file:         standard output  
Time limit:          1 second  
Memory limit:       256 megabytes

**Arko** is a very health-conscious person and a dedicated sportsman. He enjoys running, jumping, and keeping himself fit. On the university's annual sports day, he decided to design an innovative circular running track for the participants. However, he didn't want an ordinary track: he wanted it to be both functional and geometrically interesting.

To design the track, Arko selected **three specific points on a flat field: A, B, and C**. These points represent three key goal checkpoints that every runner must pass. Arko intends to build a circular track such that all three of these points lie on the circumference of the circle.

To begin his plan, he measured the straight-line distances between each pair of the points: **AB, BC, and CA**.

Now Arko is curious: **What is the minimum area required to construct the circular track?**

Help him find the minimum area required to construct the circular track?

### Input

Each test contains multiple test cases. The first line contains a single integer  $t$  ( $1 \leq t \leq 10^4$ ) — the number of test cases.

The description of the test cases follows. Each test case contains three integers  $AB$ ,  $BC$ , and  $CA$  ( $1 \leq AB, BC, CA \leq 100$ ) — the lengths of the sides of the triangle.

### Output

For each test case, print a single line containing the minimum area required to construct the circular track, in the format  $x/y$ , **where  $x$  and  $y$  are coprime integers**.

Print each answer on a new line.

### Example

standard input	standard output
5	162/7
3 3 5	275/14
3 4 5	1108809/3920
13 9 18	1859/14
5 12 13	3179/14
8 15 17	

### Note

1. Use  $\pi = \frac{22}{7}$  for calculations.
2. Two integers are said to be coprime (or relatively prime) if they have no common positive integer factor other than 1.