

## Problem 1

### Easy Problem

It doesn't get any easier than this: you will be given a triangle with integer coordinates and must return the midpoint of the longest side. Moreover, the answer will be guaranteed to have integer coordinates!

#### Input

Each test case will consist of six integers:  $X_1, Y_1, X_2, Y_2, X_3, Y_3$  representing the three vertices of a triangle. All the integers will be less than 100000 in absolute value.

#### Output

For each test case, output two integers on a single line - the coordinates of the point as described in problem statement. If there is more than one solution, choose the one with smaller  $X$ ; if there is still a tie, choose the one with smaller  $Y$ .

#### Sample input

```
0 0 0 2 2 0
```

#### Sample output

```
1 1
```