## Rectangle

Mirko needs to choose four points in the plane so that they form a rectangle with sides parallel to the axes. He has already chosen three points and is confident that he hasn't made a mistake, but is having trouble locating the last point. Help him.

## Input

Each of the three points already chosen will be given on a separate line. All coordinates will be integers between 1 and 1000.

## Output

Output the coordinates of the fourth vertex of the rectangle.

55 77

5 7

75

Sample Input 2 Sample Output 2

30 20 30 10

10 10

10 20