

Cetvrta

Problem ID: cetvrta**CPU Time limit:** 1 second**Memory limit:** 1024 MB**Difficulty:** 1.3

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.

Sample Input 1

```
5 5
5 7
7 5
```

Sample Output 1

```
7 7
```

Sample Input 2

```
30 20
10 10
10 20
```

Sample Output 2

```
30 10
```

Source: Croatian Open Competition in Informatics 2007/2008, contest #1

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