





...The same name as

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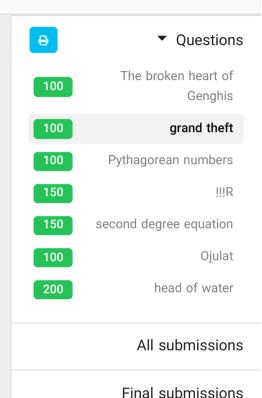
### grand theft

Heshmat Hagar intends to steal from a marble shop. To carry out a perfect robbery, first of all, he must know the location of the CCTV cameras in this store. He has obtained valuable information by doing a lot of research with his X-ray equipped satellite. Because he researched from above and with a satellite, he sees the store as a Cartesian coordinate plane, where the south and west walls of the store are the x and y axes of this coordinate plane. There are 4 cameras in this store, the coordinates of these four cameras are the vertices of a rectangle whose sides are parallel to the coordinate axes. Heshmat managed to get the coordinates of 3 of the cameras, but despite his advanced technologies, he could not get the location of the fourth camera and he wants you to do this.

#### Input

The input contains 3 lines. In each line, the correct coordinates of one of the three cameras found, whose x and y are separated by a distance, are given. It is guaranteed that these three points are 3 consecutive vertices of a rectangle with an area greater than 0.

$$-100 \le x_y \le 100$$



Scoreboard

# Output

In the only output line, the coordinates of the fourth point, whose components are separated by a space, are printed.

## Sample input 1

- 1 2
- 1 4
- 3 4

## Sample output 1

3 2

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