

Description

Solution

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Submissions

Java

Autocomplete

223. Rectangle Area

Medium

636

934

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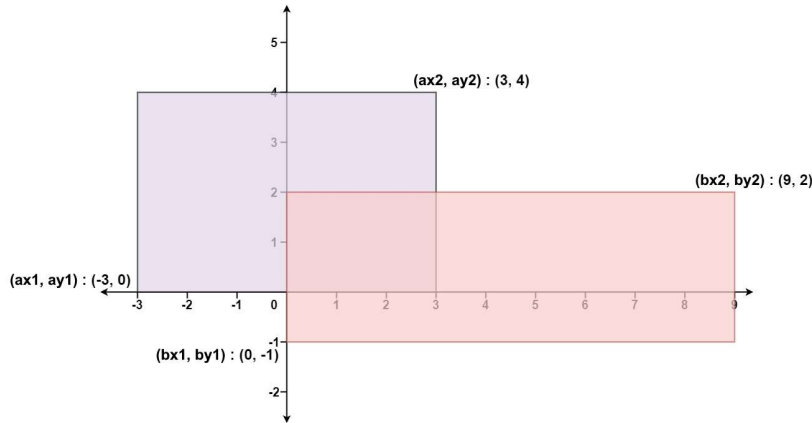
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Given the coordinates of two **rectilinear** rectangles in a 2D plane, return *the total area covered by the two rectangles*.

The first rectangle is defined by its **bottom-left** corner (ax1, ay1) and its **top-right** corner (ax2, ay2) .

The second rectangle is defined by its **bottom-left** corner (bx1, by1) and its **top-right** corner (bx2, by2) .

Example 1:



Input: ax1 = -3, ay1 = 0, ax2 = 3, ay2 = 4, bx1 = 0, by1 = -1, bx2 = 9, by2 = 2
Output: 45

Example 2:

Input: ax1 = -2, ay1 = -2, ax2 = 2, ay2 = 2, bx1 = -2, by1 = -2, bx2 = 2, by2 = 2
Output: 16

Constraints:

- 10⁴ <= ax1, ay1, ax2, ay2, bx1, by1, bx2, by2 <= 10⁴

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Seen this question in a real interview before?

Yes

No

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```
1 class Solution {
2     public int computeArea(int ax1, int ay1, int ax2, int ay2,
3                             int bx1, int by1, int bx2, int by2) {
4
5     }
6 }
```