963. Minimum Area Rectangle II

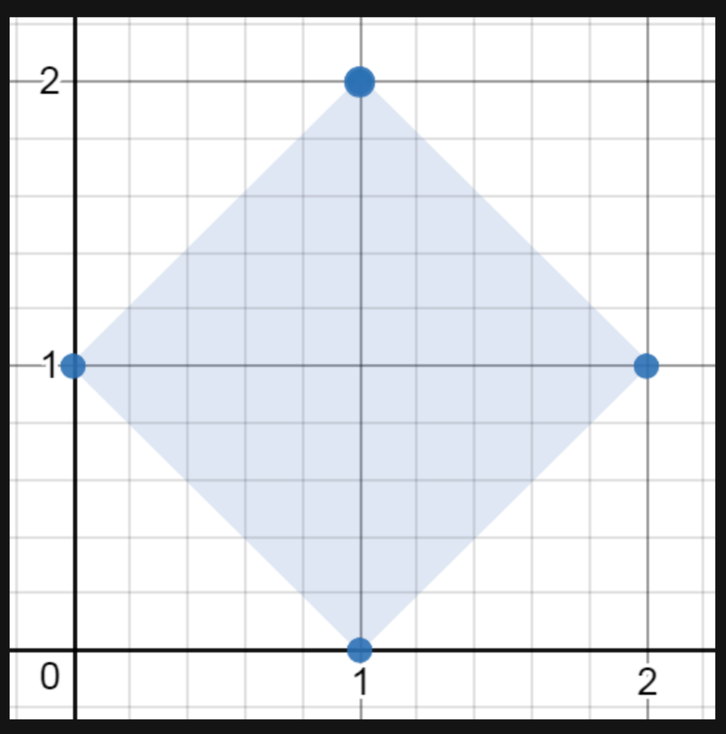
Description

You are given an array of points in the **X-Y** plane `points` where `points[i] = [x_i, y_i]`.

Return *the minimum area of any rectangle formed from these points, with sides* ***not necessarily parallel*** *to the X and Y axes*. If there is not any such rectangle, return `0`.

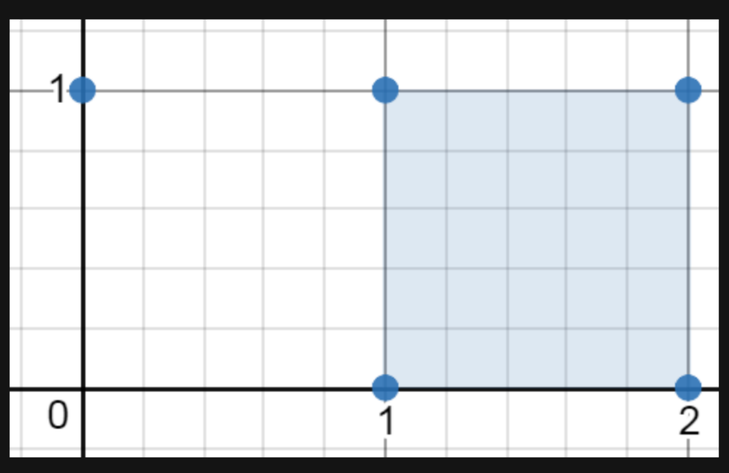
Answers within `10^-5` of the actual answer will be accepted.

Example 1:



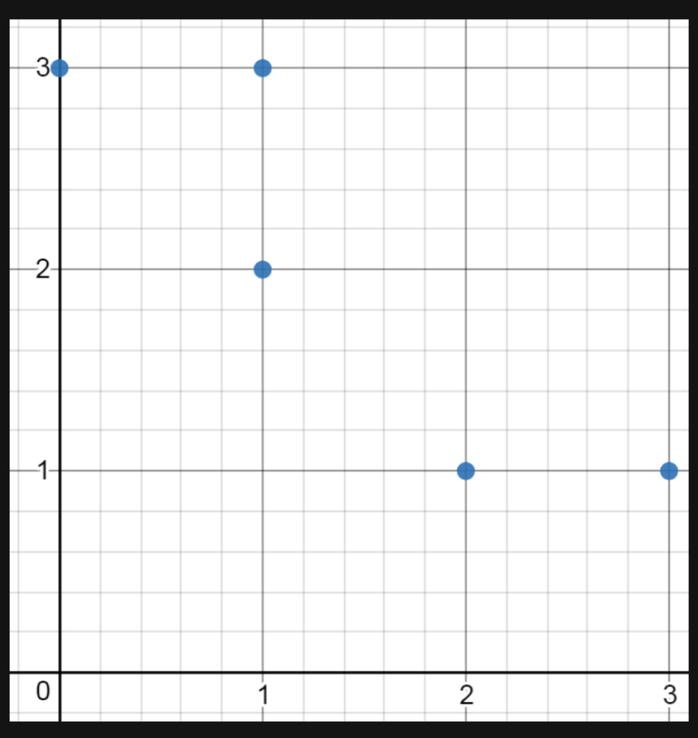

```
Input: points = [[1,2],[2,1],[1,0],[0,1]]
Output: 2.00000
Explanation: The minimum area rectangle occurs at [1,2],[2,1],[1,0],[0,1], with an area of 2.
```

Example 2:




```
Input: points = [[0,1],[2,1],[1,1],[1,0],[2,0]]
Output: 1.00000
Explanation: The minimum area rectangle occurs at [1,0],[1,1],[2,1],[2,0], with an area of 1.
```

Example 3:




```
Input: points = [[0,3],[1,2],[3,1],[1,3],[2,1]]
Output: 0
Explanation: There is no possible rectangle to form from these points.
```

Constraints:

- `1 <= points.length <= 50`
- `points[i].length == 2`
- `0 <= x_i, y_i <= 4 * 10^4`
- All the given points are **unique**.