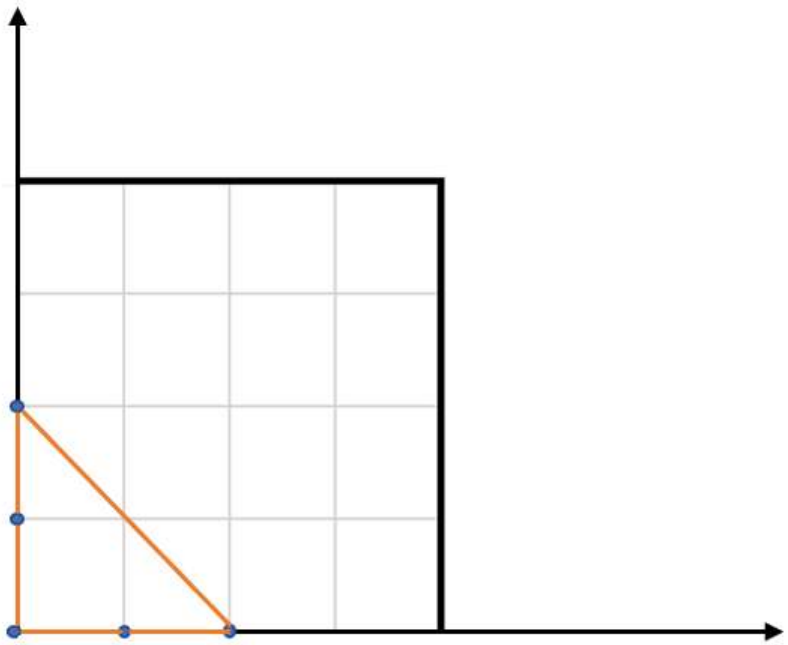
812. Largest Triangle Area

Solved

Easy Topics

Given an array of points on the **X-Y** plane `points` where `points[i] = [xi, yi]`, return *the area of the largest triangle that can be formed by any three different points*. Answers within `10^-5` of the actual answer will be accepted.

Example 1:



> **Input:** points = [[0,0],[0,1],[1,0],[0,2],[2,0]]
> **Output:** 2.00000
> **Explanation:** The five points are shown in the above figure. The red triangle is the largest.

Example 2:

> **Input:** points = [[1,0],[0,0],[0,1]]
> **Output:** 0.50000

Constraints:

- `3 <= points.length <= 50`
- `-50 <= xi, yi <= 50`
- All the given points are **unique**.

Seen this question in a real interview before? 1/5

Yes No

Accepted 158.769/223.3K | Acceptance Rate 71.1%

Topics

Similar Questions

Discussion (125)