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## 5540. Widest Vertical Area Between Two Points Containing No Points

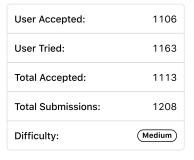
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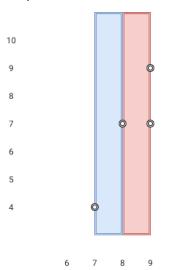
Given n points on a 2D plane where points [i] =  $[x_i, y_i]$ , Return the widest vertical area between two points such that no points are inside the area.

A vertical area is an area of fixed-width extending infinitely along the y-axis (i.e., infinite height). The widest vertical area is the one with the maximum width.

Note that points on the edge of a vertical area are not considered included in the area.



## Example 1:



**Input:** points = [[8,7],[9,9],[7,4],[9,7]]Output: 1 Explanation: Both the red and the blue area are optimal.

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## Example 2:

```
Input: points = [[3,1],[9,0],[1,0],[1,4],[5,3],[8,8]]
Output: 3
```

## Constraints:

- n == points.length
- $2 <= n <= 10^5$
- points[i].length == 2
- $0 \le x_i$ ,  $y_i \le 10^9$

