

1637. Widest Vertical Area Between Two Points Containing No Points

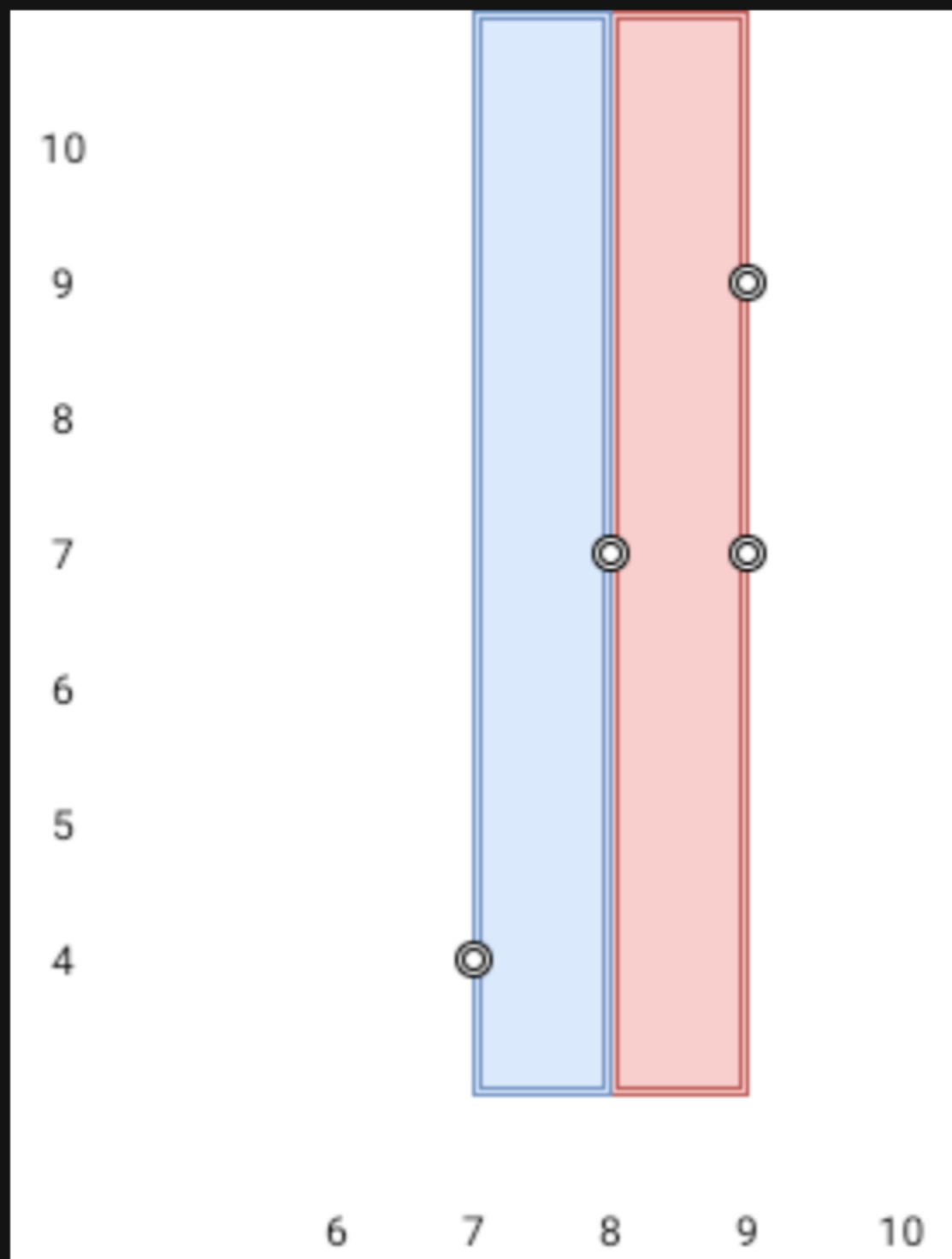
Description

Given `n` `points` on a 2D plane where `points[i] = [xi, yi]`, 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.

Example 2:

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

Constraints:

- `n == points.length`
- `2 <= n <= 105`
- `points[i].length == 2`
- `0 <= xi, yi <= 109`

