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

Ex) Input: [[8,7],[9,9],[7,4],[9,7]]
Output: 1

Since we only care about horizontal distance and not vertical distance, we can only focus on the x-values.

Process.

1) Sort the array (based on x)
2) Enumerate all values, comparing distance between i and $i-1$. If greater, override current value.
3) Return value.

```
wva ( input : list[ list[x, y]] ) → Number

    sort ( input, [ ](lhs, rhs) → bool {
        return lhs.x < rhs.x
    }
    result = 0
    prev = 0

    for  i = 1 → len(input) {
```

```
    dist = input[i].x - input[i-1].x
    if dist > result
        result = dist

    result = max( dist, result
}
return result
```