469. Convex Polygon

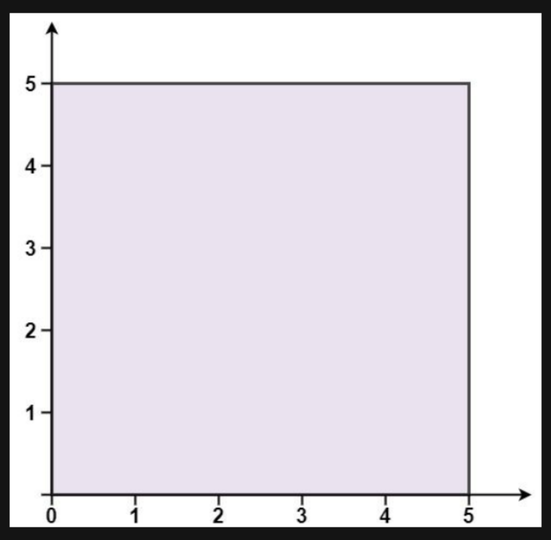
Description

You are given an array of points on the **X-Y** plane `points` where `points[i] = [x_i, y_i]`. The points form a polygon when joined sequentially.

Return `true` if this polygon is convex and `false` otherwise.

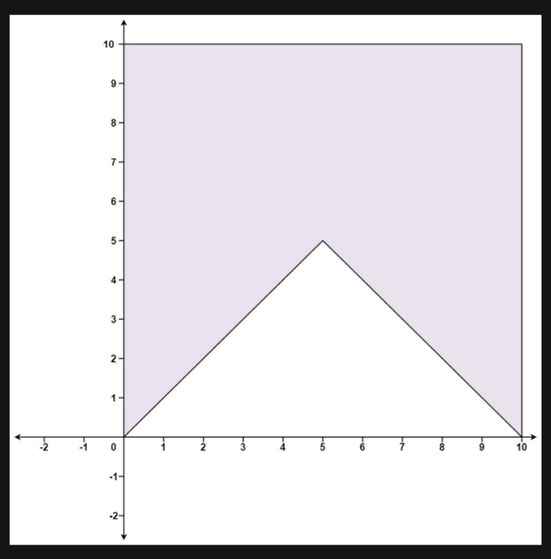
You may assume the polygon formed by given points is always a simple polygon. In other words, we ensure that exactly two edges intersect at each vertex and that edges otherwise don't intersect each other.

Example 1:




```
Input: points = [[0,0],[0,5],[5,5],[5,0]]
Output: true
```

Example 2:




```
Input: points = [[0,0],[0,10],[10,10],[10,0],[5,5]]
Output: false
```

Constraints:

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