# Rectangle

Valid Square  `6对点：4条边，2条对角线`
Construct the Rectangle with area A  `开根号`

Minimum Area Rectangle I (axis aligned)  `对角线AB找CD`
Minimum Area Rectangle II (not aligned)  `三点ABC内积为0找D`

Check Rectangle Overlap
Rectangle Overlap Area

Number Of Corner Rectangles  `枚举起始行x，终止行y，计数同时为1`
Maximal Square  `dp[i][j], 1+min(左，上，斜)`
Maximal Rectangle  📊最大矩形
Largest Rectangle in Histogram  📊最大矩形  `升序栈`

The Skyline Problem  `(L, -H, R)(R, H, #)`

## later

**Union Area of Rectangles** `hard`
**Perfect Rectangle** `hard`
**Max Increase to Keep City Skyline**
**Queue Reconstruction by Height**