

Optimised Approach

CS712 - Course Project

• CONDITIONS INCLUDED IN THE LOOP:

1. If the points in the next rectangle in the enumeration are not getting any new points, then the results of the previous rectangle are copied to this rectangle and skipping the computation to find the patterns again for this rectangle.
2. In the four loops, first two loops are fixing the bottom left corner (x_{\min} , y_{\min}) of the rectangle and third loop is varying the x_{\max} (width). The fourth loop is enumerating all the rectangles starting from x_{\min} and y_{\min} with a fixed width ($x_{\max} - x_{\min}$). Now in this enumeration, if some rectangle is exceeding the max area then all the rectangles in that direction will be pruned.

