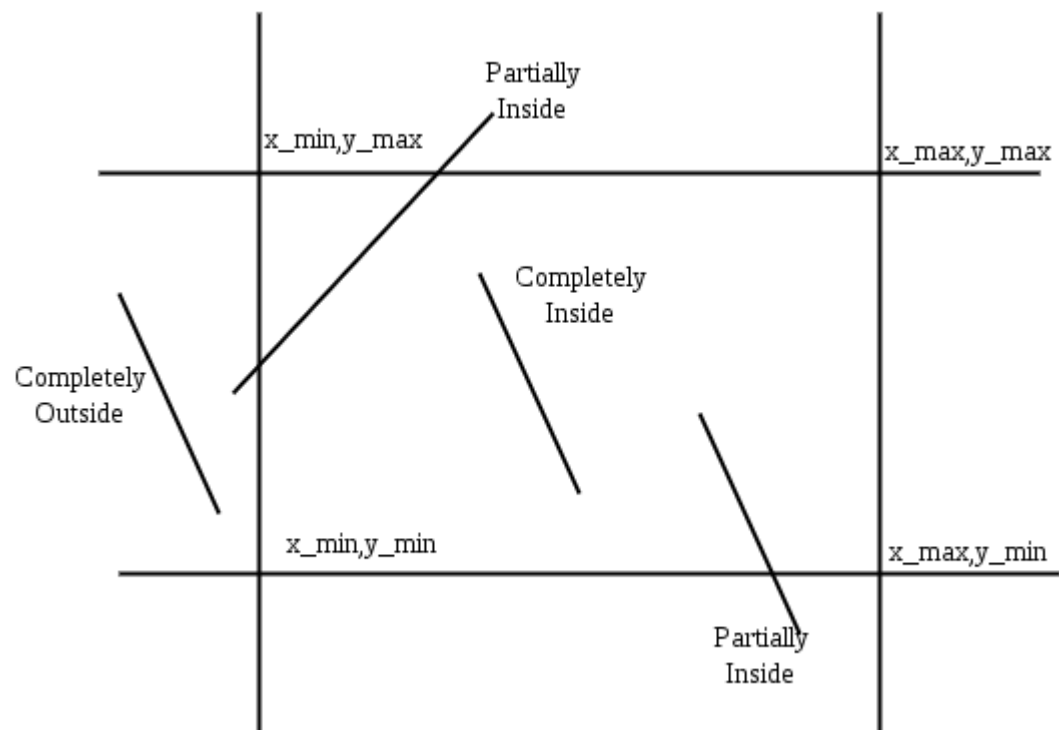


Write the pseudo-code for cohen sutherland line clipping algorithm

Solution:



Pseudo Code:

Step 1 : Assign a region code for two endpoints of given line.

Step 2 : If both endpoints have a region code 0000

then given line is completely inside.

Step 3 : Else, perform the logical AND operation for both region codes.

Step 3.1 : If the result is not 0000, then given line is completely outside.

Step 3.2 : Else line is partially inside.

Step 3.2.1 : Choose an endpoint of the line
that is outside the given rectangle.

Step 3.2.2 : Find the intersection point of the
rectangular boundary (based on region code).

Step 3.2.3 : Replace endpoint with the intersection point
and update the region code.

Step 3.2.4 : Repeat step 2 until we find a clipped line either

trivially accepted or trivially rejected.

Step 4 : Repeat step 1 for other lines