

Exp11 Program for Line Clipping by midpoint subdivision Date: ?????????

Aim: To implement Line Clipping by midpoint subdivision algorithm

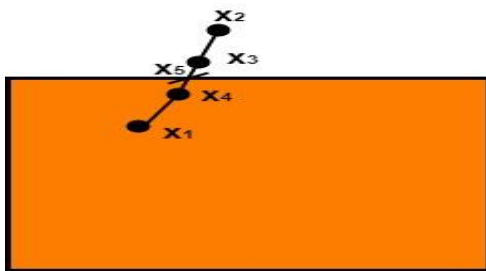
Theory:

It is used for clipping line. The line is divided in two parts. Mid points of line is obtained by dividing it in two short segments. Again division is done, by finding midpoint. This process is continued until line of visible and invisible category is obtained.

If (x_1, y_1) and (x_2, y_2) are endpoints of a Line

$$x_m = (x_1 + x_2) / 2$$

$$y_m = (y_1 + y_2) / 2$$



Draw this diagram in Theory

Procedure:

Write the steps for algm

Write the source code

Draw output

Conclusion: ?????????