Assignment on Line Clipping

Last Date of Submission: 07-12-2020

1. Write down the propositions of Cohen-Sutherland algorithm step by step and finally establish the algorithm.

2. Using Cohen-Sutherland line Clipping algorithm draw the line of the given points $P_1(190,10)$ and P_2 (50,230) where $Y_{max}=170$, $Y_{min}=40$, $X_{max}=160$, $X_{min}=70$.

3. Using Cohen-Sutherland line Clipping algorithm draw the line of the given points $P_1(170,130)$ and P_2 (10,20) where $Y_{max}=120$, $Y_{min}=30$, $X_{max}=140$, $X_{m}=50$.

4. Using Cohen-Sutherland line Clipping algorithm draw the line of the given points $P_1(20,50)$ and P_2 (100,40) where $Y_{max}=80$, $Y_{min}=20$, $X_{max}=90$, $X_{min}=60$.

5. Using Cohen-Sutherland line Clipping algorithm draw the line of the given points $P_1(75,125)$ and P_2 (55,65) where $Y_{max}=120$, $Y_{min}=60$, $X_{max}=70$, $X_{min}=10$.

6. Using Cohen-Sutherland line Clipping algorithm draw the line of the given points $P_1(75,125)$ and P_2 (65,55) where $Y_{max}=120$, $Y_{min}=60$, $X_{max}=70$, $X_{min}=10$.

7. Using Cohen-Sutherland line Clipping algorithm draw the line of the given points $P_1(75,125)$ and P_2 (65,55) where $Y_{max}=120$, $Y_{min}=60$, $X_{max}=70$, $X_{min}=10$.