Nama : Arizfi Agustina

NIM : 19051397069

Prodi : D4 Manajemen Informatika 2019 B

**GRAFIKA KOMPUTER – WINDOW CLIPPING**

1. Diketahui :

Titik awal = P (1,1)

Titik akhir = Q (10,10)

Y min = 1

X min = 1

X max = 7

X max = 7

Jawab :

* Garis P : Garis Q :

L = 0 L = 0

R = 0 R = 1

B = 0 B = 0

T = 0 T = 1

* 0000 AND 0101

M = = = = 1

Xp = X1 +

Xp = 1 + = =

Xp = 1 , maka titik potongnya (Xp, Ymin) = (1,1)

1. Diketahui :

Xl = 1

Xr = 7

Yb = 1

Yt = 7

Jawab :

* Dx = X2 – X1 = 10 – 1 = 9 Dy = Y2 – Y1 = 10 – 1 = 9

P1 = -dx = 9 Q1 = X1 – XL = 1 – 1 = 0

P2 = dx = 9 Q2 = XR – X1 = 7 – 1 = 6

P3 = -dx = -9 Q3 = Y1 – YB = 1 – 1 = 0

P4 = dx = 9 Q4 = YT – Y1 = 7 – 1 = 6

* - untuk (Pi < 0) T1 = “MAX” = 0
* - untuk (Pi > 0) T2 = “MIN” = 1/3
* T1 = 0

X1 = X1 + dx \* t1

= 1 + 9.0 = 1

Y1 = Y1 + dy \* t1

= 1 + 9.0 = 1

(X1’ , Y1’) = (0,0)

* T2 = 1/3

X2 = X1 + dx \* t2

= 1 + ~~9~~.1/~~3~~ = 4

Y2 = Y1 + dy \* t2

= 1 + ~~9~~.1/~~3~~ = 4

(X2’ , Y2’) = (4,4)