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1. Diketahui P (1,1) Q(10,10) dan, Xmin=1, Ymin=1, Xmax=7, Ymax=7

Vertex P(1,1)

L=	Xmin=1	1>=1
0		
R=	Xmax=1	1<7
0		
B=	Ymin=1	1>=1
0		
T=	Ymax=1	1<7
0		

Region code verteX P = 0000

Vertex Q(10,10)

(10,10)		
L=	Xmin=10	10>1
0		
R=	Xmax=10	10>7
1		
B=	Ymin=10	10>1
0		
T=	Ymax=10	10>7
1		

Region code vertex P = 0101

Titik potong pada garis PQ

$$m = \frac{y1 - y2}{x2 - x1} = \frac{10 - 1}{10 - 1} = \frac{9}{9} = 1$$

Karena R1, maka yp2 adalah

$$yp2 = y1 + m (xmin - x1) = 1 + 1(1 - 1) = 0$$

maka titik potongnya adalah (xmin,yp1) = (1,0)

Karena T=1, maka yang dicari adalah xp2

$$xp2 = x1 + \frac{ymax - y1}{m} = 1 + \frac{7 - 1}{1} = 7$$

maka titik potongnya adalah (xp2,ymax) = (7,7)

ada 2 titik potong yaitu(1,0) dan (7,7)

2. Diketahui P (1,1), Q(10,10) dan, XI = 1, Xr = 7, Yb = 1 dan Yt = 7

$$dx = x2 - x1 = 10 - 1 = 9 (0000) (0101)$$

 $P1 = dx = 9$ $P3 = dy = 9$
 $P2 = dx = 9$ $P4 = dy$
 $P3 = dy = y2 - y1 = 10 - 1 = 9$

$$\bullet$$
 Q1 = x1 - x2 = 1 - 1 = 0

•
$$Q1 = x1 - x2 = 1 - 1 = 0$$
 • $Q3 = y1 - yB = 1 - 1 = 0$

•
$$Q2 = XR - X1 = 7 - 1 = 6$$
 • $Q4 = yT - y1 = 7 - 1 = 6$

•
$$Q4 = yT - y1 = 7 - 1 = 6$$

$$Q1/p1 = 0/.9$$
 $Q3/p3 = 0/.9 = 0$ $Q2/p2 = 6/9 = 2/3$ $Q4/p4 = 6/9 = 2/3$

=
$$(pi < 0) \cdot > T1 = (0,0,0) = 0$$

= $(pi < 0) \cdot > T2 = (2/3, 2/3, 2/3)$
= $2/3 T1 < T2 => T1 = 0$

•
$$X1 = x1 + dx \times t1 = 1 + 9 \times 0 = 1 + 0 = 1$$

•
$$Y1 = y1 + dy x t1 = 1 + 9$$

 $x 0 = 1 (x1, y1) = (1,1) T2 = 2/3$

•
$$X2 = x1 + dx * t2 = 1 + 3 \times 2/3 = 1 + 6 = 7$$

•
$$Y2 = y1 + dy * t2 = 1 + 9 \times 2/3 = 7$$

•
$$(x2,y2) = (7,7)$$