

1) Diket :

Titik awal $P = (1, 1)$

Titik Akhir $Q = (10, 10)$

$y_{\min} = 1$

$y_{\min} = 1$

$x_{\max} = 7$

$y_{\max} = 7$

Garis P

$L = 0$

$R = 0$

$B = 0$

$T = 0$

$P = 0000$

$Q = 0101$

Garis Q

$L = 0$

$R = 1$

$B = 0$

$T = 1$

2) $P(1, 1)$, $Q(10, 10)$, $x_L = 1$, $x_R = 7$, $y_B = 1$, $y_T = 7$

$$dx = x_2 - x_1 = 10 - 1 = 9$$

$$dy = y_2 - y_1 = 10 - 1 = 9$$

$$p_1 = -dx = -9$$

$$p_2 = dx = 9$$

$$p_3 = -dy = -9$$

$$p_4 = dy = 9$$

$$q_1 = x_1 - x_L = 1 - 1 = 0$$

$$q_2 = x_R - x_1 = 7 - 1 = 6$$

$$q_3 = y_1 - y_B = 1 - 1 = 0$$

$$q_4 = y_T - y_1 = 7 - 1 = 6$$

$$q_1/p_1 = 0/-9 = 0$$

$$q_2/p_2 = 6/9 = 2/3$$

$$\therefore (p_i < 0) T_1 = \text{"Max"} (0, 0, 0) = 0$$

$$(p_i > 0) T_2 = \text{"min"} (2/3, 2/3, 1) = 2/3$$

$$T_1 < T_2$$