

Diket : - (10,5) → (20,15)

-  $\Delta y = 10$   $\Delta x = 10$   
-  $m = 1$

-  $p = 2\Delta y - \Delta x = 10$

-  $p^+ = 2\Delta y - 2\Delta x = 0$  (x+1, y+1)

-  $p^- = 2\Delta y = 20$  (x+1, y)

Jawab :

→ DDA

$x_0, y_0$	m	$x_n, y_n$
10, 5	1	11, 6
11, 6	1	12, 7
12, 7	1	13, 8
13, 8	1	14, 9
14, 9	1	15, 10
15, 10	1	16, 11
16, 11	1	17, 12
17, 12	1	18, 13
18, 13	1	19, 14
19, 14	1	20, 15

$0 \leq m < 1$

$\Delta y < \Delta x$

$x_n = x + 1$

$y_n = y + m$

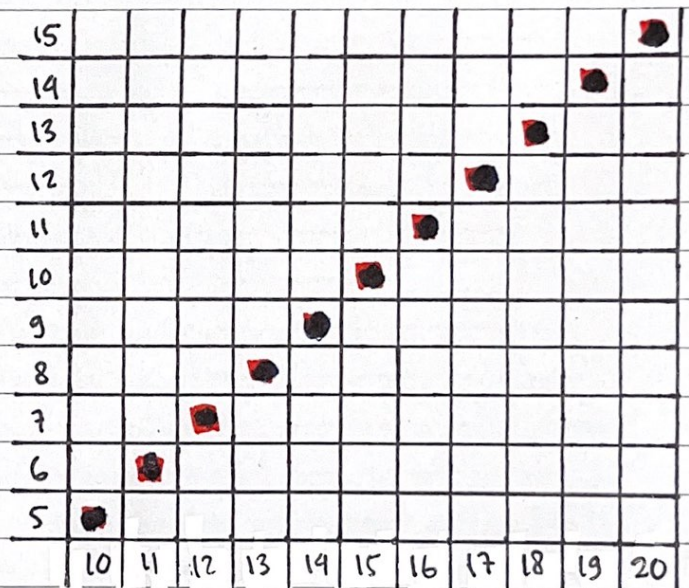
$m \geq 1$

$\Delta y > \Delta x$

$x_n = x + 1/m$

$y_n = y + 1$

→ Grafik



→ Bresenham

$x_0, y_0$	p	$x_n, y_n$
10, 5	10	11, 6
11, 6	10	12, 7
12, 7	10	13, 8
13, 8	10	14, 9
14, 9	10	15, 10
15, 10	10	16, 11
16, 11	10	17, 12
17, 12	10	18, 13
18, 13	10	19, 14
19, 14	10	20, 15

keterangan : → ■ = DDA

→ ● = Bresenham