Present state		i/P	next states		D-flip flop		o/P
x	y		x'	y'	D_x	D_y	
0	0	0	0	1	0	1	0
0	0	1	0	0	0	0	1
0	1	0	1	0	1	0	1
0	1	1	1	1	1	1	0
1	0	0	0	0	0	0	1
1	0	1	0	1	0	1	0
1	1	0	1	1	1	1	0
1	1	1	1	0	1	0	1

D_x ، D_y ، o/P للمخططات نرسم

$D_x = y$

$D_y = \bar{i}\,\bar{x}y + \bar{i}xy + i\bar{x}y + ix\bar{y}$

$(i/p \to i)$

$o/P = \bar{i}x y + \bar{i}x\bar{y} + i\bar{x}y + ix\bar{y}$