

A B C		Q+1 A B C	Y
0 0 0	0	0 1 1	0
0 0 0	1	1 0 0	1
0 0 1	0	0 0 1	0
0 0 1	1	1 0 0	1
0 1 0	0	0 1 0	0
0 1 0	1	0 0 0	1
0 1 1	0	0 0 1	0
0 1 1	1	0 1 0	1
1 0 0	0	0 1 0	0
1 0 0	1	0 1 1	0
1 0 1	X		X
1 0 1	X		X
1 1 0	X		X
1 1 0	X		X
1 1 1	X		X
1 1 1	X		X

D_A

$A'B'x$

$AB \backslash Cx$	00	01	11	10
00	0	1	1	0
01	4	5	7	6
11	X ₁₂	X ₁₃	X ₁₅	X ₁₄
10	8	9	X ₁₁	X ₁₀

D_B

$C'x'$

BCx

$AB \backslash Cx$	00	01	11	10
00	1	1	3	2
01	1	5	7	6
11	X ₁₂	X ₁₃	X ₁₅	X ₁₄
10	1	9	X ₁₁	X ₁₀

A

D_C

$A'B'x'$

Cx'

$AB \backslash Cx$	00	01	11	10
00	1	1	1	1
01	4	5	7	1
11	X ₁₂	X ₁₃	X ₁₅	X ₁₄
10	8	1	X ₁₁	X ₁₀

Ax

y

$A'x$

$AB \backslash Cx$	00	01	11	10
00	1	1	1	2
01	4	5	7	6
11	X ₁₂	X ₁₃	X ₁₅	X ₁₄
10	8	9	X ₁₁	X ₁₀

$$D_A(t+1) = A'B'x$$

$$D_B(t+1) = C'x' + BCx + A$$

$$D_C(t+1) = A'B'x' + Cx' + Ax$$

$$y = A'x$$

u

