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Elec 2200

11/8/2021

Hw 25

State	Input			State	Input	
A	B/1	C/1	00	00	01/1	11/1
B	C/0	A/0	→ 01	01	11/0	00/0
C	D/1	B/1	11	11	10/1	01/1
D	A/0	A/0	10	10	00/0	00/0

$Q_1 Q_0$	0	1
00	0	1
01	1	0
11	1	0
10	0	0

$Q_1 Q_0$	0	1
00	1	1
01	1	0
11	0	1
10	0	0

D_0

$Q_1 Q_0$	0	1
00	1	1
01	0	0
11	1	1
10	0	0

2

$$D_1 = Q_0 \bar{x} + \bar{Q}_1 \bar{Q}_0 x = \bar{Q}_1$$

$$D_0 = \bar{Q}_1 \bar{x} + \bar{Q}_1 Q_0 + Q_1 Q_0 x = \bar{Q}_1$$

$$Z = \bar{Q}_1 Q_0 + Q_1 Q_0$$

