Práctica 6 TOC

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2.

a) Salidas del sistema son 2 $z_1 z_0 \Rightarrow 3_{10} = 11_2$

b) Módulo 5 → 3 biestables $P_2 P_1 P_0$

	$Q_2 Q_1 Q_0$	$Q_2^+ Q_1^+ Q_0$	$z_1 z_0$	$P_2 P_1 P_0$
A0	0 0 0	0 0 1	0 0	0 0 1
A1	0 0 1	0 1 0	0 1	0 1 0
A2	0 1 0	0 1 1	1 1	0 1 1
A3	0 1 1	1 0 0	0 0	1 0 0
A4	1 0 0	0 0 0	1 0	0 0 0
	1 0 1	- - -	- -	- - -
	1 1 0	- - -	- -	- - -
	1 1 1	- - -	- -	- - -

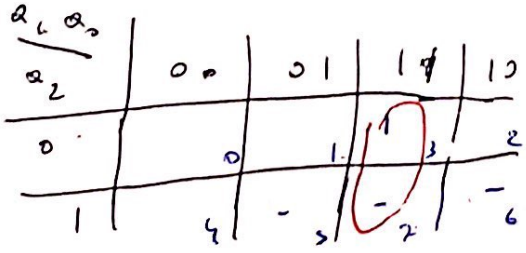
$D_2 = \sum_m(3) + d(5,6,7)$

$D_1 = z_0 = \sum_m(1,2) + d(5,6,7)$

$D_0 = \sum_m(0,2) + d(5,6,7)$

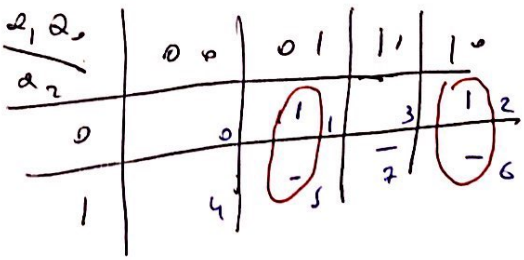
$z_1 = \sum_m(2,4) + d(5,6,7)$

D_2



$D_2 = Q_1 Q_0$

$D_1 \; z_0$



$D_1 = z_0 = \bar{Q_1} Q_0 + Q_1 \bar{Q_0}$

D_0

Q_1Q_0 / Q_2	00	01	11	10
0	1 (0)	1	3	1 (2)
1	4	5	7	6

$D_0 = \bar{Q_2} \cdot \bar{Q_0}$

T_1

Q_1Q_0 / Q_2	00	01	11	10
0	0	1	3	1 (2)
1	1	–	–	–
	4	5	7	6

$T_1 = Q_2 + Q_1\bar{Q_0}$