



班级: 计01

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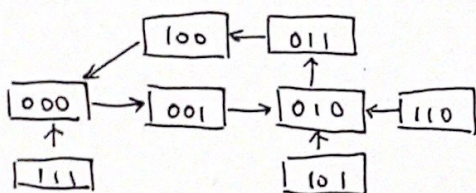
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5.3. 表达式: $Q_{2,n+1} = D_2 = Q_{2,n} \cdot Q_{1,n} \cdot \overline{Q_{0,n}}$ $Q_{1,n+1} = D_1 = Q_{0,n} \cdot \overline{Q_{1,n}} + \overline{Q_{0,n}} \cdot Q_{1,n}$ $Q_{0,n+1} = D_0 = \overline{Q_{0,n}} \cdot \overline{Q_{2,n}}$

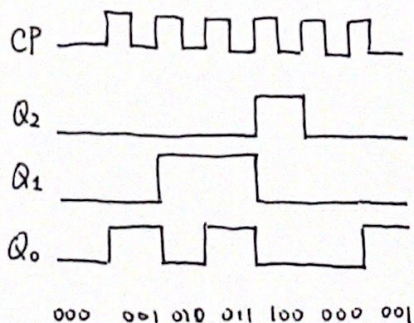
状态表:

$Q_{2,n}$	$Q_{1,n}$	$Q_{0,n}$	$Q_{2,n+1}$	$Q_{1,n+1}$	$Q_{0,n+1}$
0	0	0	0	0	1
0	0	1	0	1	0
0	1	0	0	1	1
0	1	1	1	0	0
1	0	0	0	0	0
1	1	0	0	1	0
1	0	1	0	1	0
1	1	1	0	0	0

状态图:



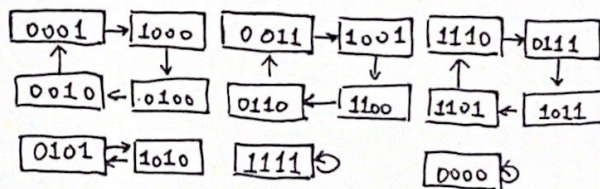
时序图:

5.4 表达式: $Q_{0,n+1} = Q_{1,n} \overline{Q_{0,n}} + \overline{Q_{1,n}} Q_{0,n} = Q_{1,n}$ (同理有) $Q_{1,n+1} = Q_{2,n}$; $Q_{2,n+1} = Q_{3,n}$; $Q_{3,n+1} = Q_{0,n}$

状态表:

$Q_{3,n}$	$Q_{2,n}$	$Q_{1,n}$	$Q_{0,n}$	$Q_{3,n+1}$	$Q_{2,n+1}$	$Q_{1,n+1}$	$Q_{0,n+1}$
0	0	0	1	1	0	0	0
1	0	0	0	0	1	0	0
0	1	0	0	0	0	1	1
0	0	1	0	0	0	0	1
0	0	1	1	1	0	0	1
1	0	0	1	1	1	0	0
1	1	0	0	0	1	1	0
0	1	1	0	0	0	1	1
0	1	0	1	1	0	1	0
1	0	1	0	0	1	0	1
1	1	1	0	0	1	1	1
0	1	1	1	1	0	1	1
1	0	1	1	1	1	0	1
1	1	0	1	1	1	1	0
1	1	1	1	1	1	1	1
0	0	0	0	0	0	0	0

状态图:



时序图:

