

$$M_2 = 0, M_f = 0$$

Q				Q <sup>+</sup>				T			
Q <sub>4</sub>	Q <sub>3</sub>	Q <sub>2</sub>	Q <sub>1</sub>	Q <sub>4</sub>	Q <sub>3</sub>	Q <sub>2</sub>	Q <sub>1</sub>	1	1	1	1

$$M_2 = 0, M_1 = 1$$

Q				Q <sup>+</sup>				T			
Q <sub>4</sub>	Q <sub>3</sub>	Q <sub>2</sub>	Q <sub>1</sub>	Q <sub>4</sub>	Q <sub>3</sub>	Q <sub>2</sub>	Q <sub>1</sub>	0	0	0	0

$$M_2 = 1; \quad M_1 = 0$$

D				Q				T			
D <sub>4</sub>	D <sub>3</sub>	D <sub>2</sub>	D <sub>1</sub>	Q <sub>4</sub>	Q <sub>3</sub>	Q <sub>2</sub>	Q <sub>1</sub>	T <sub>4</sub>	T <sub>3</sub>	T <sub>2</sub>	T <sub>1</sub>
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	1	0	0	0	1
0	0	1	0	0	0	1	0	0	0	1	0
0	0	1	1	0	0	1	1	0	0	1	1
0	1	0	0	0	1	0	0	0	1	0	0
0	1	0	1	0	1	0	1	0	1	0	1
0	1	1	0	0	1	1	0	0	1	1	0
0	1	1	1	0	1	1	1	0	1	1	1
1	0	0	0	1	0	0	0	1	0	0	0
1	0	0	1	1	0	0	1	1	0	0	1
1	0	1	0	1	0	1	0	1	0	1	0
1	0	1	1	1	0	1	1	1	0	1	1
1	1	0	0	1	1	0	0	1	1	0	0
1	1	0	1	1	1	0	1	1	1	0	1
1	1	1	0	1	1	1	0	1	1	1	0
1	1	1	1	1	1	1	1	1	1	1	1

$$M_2 = 1, \quad M_1 = 1$$

$Q_4$	$Q_3$	$Q_2$	$Q_1$	$Q_4^+$	$Q_3^+$	$Q_2^+$	$Q_1^+$	$T_4$	$T_3$	$T_2$	$T_1$
0	0	0	0	0	0	0	1	0	0	0	1
0	0	0	1	0	0	1	0	0	0	1	1
0	0	1	0	0	0	0	1	0	0	0	1
0	0	1	1	0	0	0	0	0	1	1	1
0	1	0	0	0	1	1	0	0	0	0	1
0	1	0	1	0	1	0	1	1	1	1	1
1	0	1	0	1	0	0	0	0	0	0	1
1	0	1	1	1	0	1	1	0	0	1	1
1	1	0	0	1	0	0	0	0	1	0	1
1	1	0	1	1	0	1	0	0	0	1	1
1	1	1	0	1	1	0	1	0	0	0	1
1	1	1	1	0	1	1	0	1	0	0	1

$T_4$

$Q_4 Q_3$		$Q_2 Q_1$			
		00	01	11	10
$Q_4 Q_3$	00				
	01			1	
	11			1	
	10				

$$T_4 = Q_3 Q_2 Q_1$$

$T_3$

$Q_4 Q_3$		$Q_2 Q_1$			
		00	01	11	10
$Q_4 Q_3$	00			1	
	01			1	
	11			1	
	10			1	

$$T_3 = Q_2 Q_1$$

$T_2$

$Q_4 Q_3$		$Q_2 Q_1$			
		00	01	11	10
$Q_4 Q_3$	00	1	1		
	01	1	1		
	11	1	1		
	10	1	1		

$$T_2 = Q_1$$

$T_1$

$$T_1 = 1$$

$A_1$	$A_0$	$B_1$	$B_0$	$>$	$<$	$=$
0	0	0	0	0	1	1
0	0	0	1	0	1	0
0	0	1	0	0	1	0
0	0	1	1	0	1	0
0	1	0	0	1	0	0
0	1	0	1	0	1	0
0	1	1	0	0	1	0
0	1	1	1	0	1	0
1	0	0	0	1	0	0
1	0	0	1	1	0	0
1	0	1	0	0	1	0
1	0	1	1	0	1	0
1	1	0	0	0	1	0
1	1	0	1	0	1	0
1	1	1	0	0	1	0
1	1	1	1	0	1	0

$>$

$A_1 A_0 \backslash B_1 B_0$	00	01	11	10
00				
01	1			
11	1	1		1
10	1	1		

$$> = A_1 B_1' + A_1 A_0 B_0' + A_0 B_1' B_0'$$

$<$

$A_1 A_0 \backslash B_1 B_0$	00	01	11	10
00	1	1	1	1
01		1	1	1
11			1	
10			1	1

$$< = A_1' A_0' + A_1' B_0 + A_1' B_1 + B_1 B_0 + A_1 A_0' B_1$$

$=$

$A_1 A_0 \backslash B_1 B_0$	00	01	11	10
00	1			
01		1		
11			1	
10				1

$$( = ) = A_1' A_0' B_1' B_0' + A_1' A_0 B_1' B_0' + A_1 A_0 B_1 B_0 + A_1 A_0' B_1 B_0'$$