

$X$	$Q_r$	$Q_1$	$Q_0$	$Q_r^+$	$Q_1^+$	$Q_0^+$	$J_r$	$K_r$	$J_1$	$K_1$	$J_0$	$K_0$
0	0	0	0	1	0	1	1	X	0	X	1	X
0	0	0	1	1	1	0	1	X	1	X	X	1
0	0	1	0	1	1	1	1	X	X	0	1	X
0	0	1	1	0	0	0	0	X	X	1	X	1
0	1	0	0	0	0	1	X	1	0	X	1	X
0	1	0	1	0	1	0	X	1	1	X	X	1
0	1	1	0	0	1	1	X	1	X	0	1	X
0	1	1	1	1	0	0	X	0	X	1	X	1
1	0	0	0	0	1	1	0	X	1	X	1	X
1	0	0	1	1	0	0	1	X	0	X	X	1
1	0	1	0	1	0	1	1	X	X	1	1	X
1	0	1	1	1	1	0	1	X	X	0	X	1
1	1	0	0	1	1	1	X	0	1	X	1	X
1	1	0	1	0	0	0	X	1	0	X	X	1
1	1	1	0	0	0	1	X	1	X	1	1	X
1	1	1	1	0	1	0	X	1	X	0	X	1

$XQ_r$

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

$$J_r = Q_1 Q_0' + X Q_0 + X' Q_1'$$

$XQ_r$

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

$$K_r = \bar{J}_r$$

$XQ_r$

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

$$\bar{J}_1 = X Q_0' + X' Q_0 = X \oplus Q_0$$

$XQ_r$

$Q_1 Q_0$	00	01	11	10
00	X	X	X	X
01	X	X	X	X
11	X	X	X	X
10	X	X	X	X

$XQ_r$

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

$XQ_r$

$Q_1 Q_0$	00	01	11	10
00	X	X	X	X
01	X	X	X	X
11	X	X	X	X
10	X	X	X	X

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

$$K_1 = \overline{J}_1$$

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

$$J_0 = 1$$

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

$$K_0 = 1$$