

Use the KMaps below so that everyone's will be the same. (Makes the TA's life much easier, and really, isn't that what it's all about?)

Q2 \ Q0	INPUT			
	00	01	11	10
Q1	00	X	0	0
01	X	0	1	X
11	X	X	X	X
10	X	X	X	X

$$J2 = Q0Q1$$

Q2 \ Q0	INPUT			
	00	01	11	10
Q1	00	X	X	X
01	X	X	X	X
11	X	1	X	X
10	X	0	0	X

$$K2 = Q1$$

Q2 \ Q0	INPUT			
	00	01	11	10
Q1	00	X	0	1
01	X	X	X	X
11	X	X	X	X
10	X	0	1	X

$$J1 = Q0$$

Q2 \ Q0	INPUT			
	00	01	11	10
Q1	00	X	X	X
01	X	0	1	X
11	X	1	X	X
10	X	X	X	X

$$K1 = Q2 + Q0$$

Q2 \ Q0	INPUT			
	00	01	11	10
Q1	00	X	1	X
01	X	1	X	X
11	X	0	X	X
10	X	1	X	X

$$J0 = Q1 + Q2$$

Q2 \ Q0	INPUT			
	00	01	11	10
Q1	00	X	X	1
01	X	X	1	X
11	X	X	X	X
10	X	X	1	X

$$K0 = Q0$$

Q2 \ Q0	INPUT			
	00	01	11	10
Q1	00	0	1	1
01	0	1	1	1
11	1	1	X	1
10	1	1	1	1

$$\text{Output} = Q2 + Q1 + Q0$$