

BINARY INPUT				GRAY CODE INPUT			
B3	B2	B1	B0	G3	G2	G1	G0
0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	1
0	0	1	0	0	0	1	1
0	0	1	1	0	0	1	0
0	1	0	0	0	1	1	0
0	1	0	1	0	1	1	1
0	1	1	0	0	1	0	1
0	1	1	1	0	1	0	0
1	0	0	0	1	1	0	0
1	0	0	1	1	1	0	1
1	0	1	0	1	1	1	1
1	0	1	1	1	1	1	0
1	1	0	0	1	0	1	0
1	1	0	1	1	0	1	1
1	1	1	0	1	0	0	1
1	1	1	1	1	0	0	0

<div>B1B0 B3B2</div>		00	01	11	10
00					
01					
11	1	1	1	1	
10	1	1	1	1	

B1B0		00	01	11	10
B3B2					
00					
01	1	1	1	1	
11					
10	1	1	1	1	

B3B2 \ B1B0		00	01	11	10
00				1	1
01	1	1			
11	1	1			
10			1	1	

B3B2 \ B1B0		00	01	11	10
00		1		1	
01		1		1	
11		1		1	
10		1		1	

G3 = B3

G2 = B3 ⊕ B2

G1 = B2 ⊕ B1

G0 = B1 ⊕ B0

Y3 = X3

Y2 = X3 ⊕ X2

Y1 = X2 ⊕ X1

Y0 = X1 ⊕ X0

