

QnQsec easy difficulty hardware challenge

Not your Karnaugh diagram

		X_3X_1			
		11	10	01	00
X_2X_0	11	0	1	0	0
	10	1	0	0	1
	01	0	1	0	0
	00	1	0	0	1

Give the proper function as a binary string where the bottom line is the MSB of the string and the top line is the LSB:

X_3	X_2	X_1	X_0	F
0	0	0	0	
0	0	0	1	
0	0	1	0	
0	0	1	1	
0	1	0	0	
0	1	0	1	
0	1	1	0	
0	1	1	1	
1	0	0	0	
1	0	0	1	
1	0	1	0	
1	0	1	1	
1	1	0	0	
1	1	0	1	
1	1	1	0	
1	1	1	1	