Truth Table for DECODER

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September 15, 2019

1x2 DECODER

	EN	S0	m1	m2		
ĺ	0	X	0	0		
ĺ	1	0	1	0		
	1	1	0	1		

2x4 DECODER

EN	S1	S0	m1	m2	m3	m4
0	X	X	0	0	0	0
1	0	0	1	0	0	0
1	0	1	0	1	0	0
1	1	0	0	0	1	0
1	1	1	0	0	0	1

3x8 DECODER

EN	S2	S1	S0	m1	m2	m3	m4	m5	m6	m7	m8
0	X	X	X	0	0	0	0	0	0	0	0
1	0	0	0	1	0	0	0	0	0	0	0
1	0	0	1	0	1	0	0	0	0	0	0
1	0	1	0	0	0	1	0	0	0	0	0
1	0	1	1	0	0	0	1	0	0	0	0
1	1	0	0	0	0	0	0	1	0	0	0
1	1	0	1	0	0	0	0	0	1	0	0
1	1	1	0	0	0	0	0	0	0	1	0
1	1	1	1	0	0	0	0	0	0	0	1