

DLD Lab 10

(Software)

23K-2001

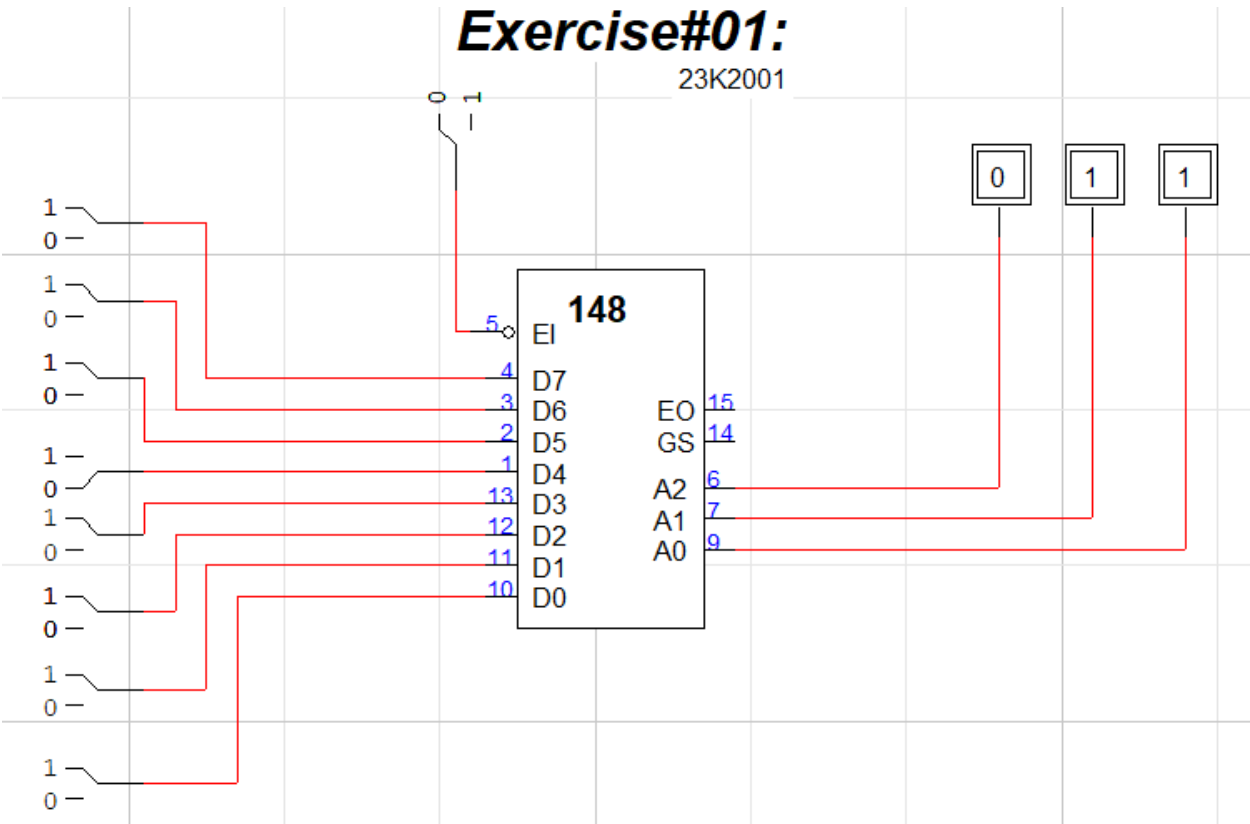
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BCS 2-J

Exercise#01:

Truth Table for Octal to Binary Priority Encoder by Using 74148 IC

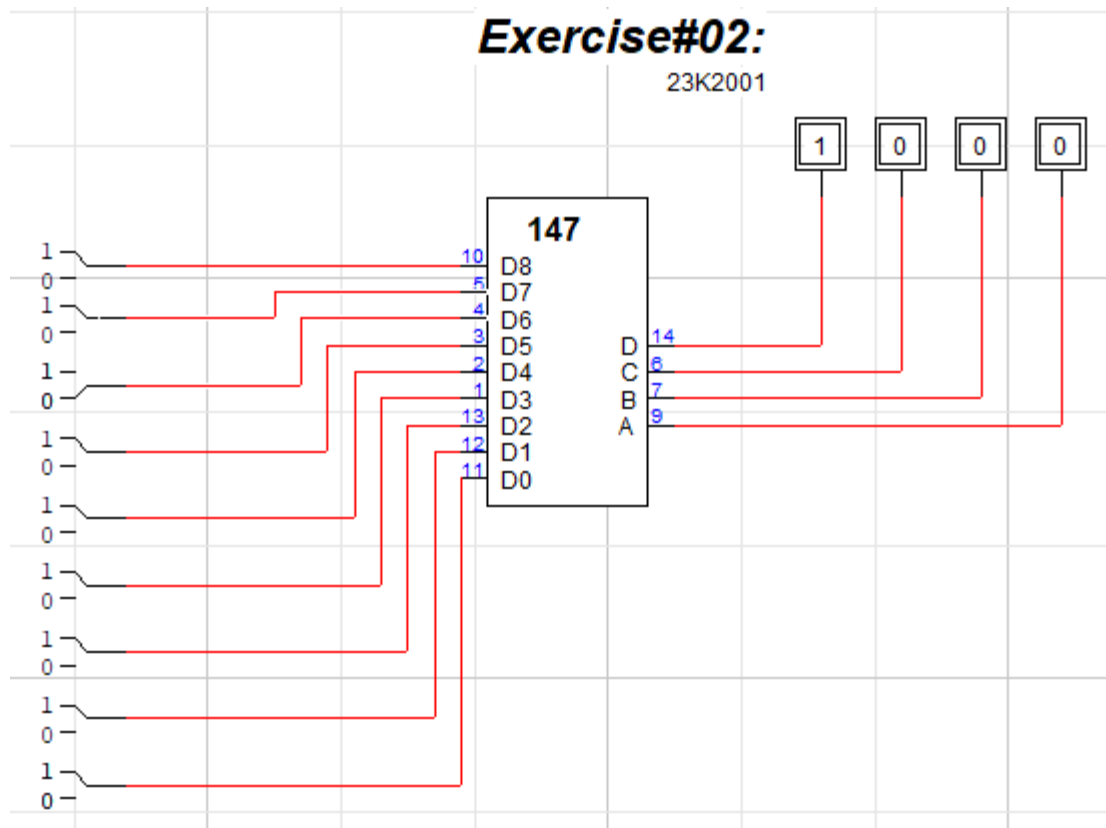
Inputs								Outputs		
D7	D6	D5	D4	D3	D2	D1	D0	A2	A1	A0
1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	0	1	1	1
1	1	1	1	1	1	0	X	1	1	0
1	1	1	1	1	0	X	X	1	0	1
1	1	1	1	0	X	X	X	1	0	0
1	1	1	0	X	X	X	X	0	1	1
1	1	0	X	X	X	X	X	0	1	0
1	0	X	X	X	X	X	X	0	0	1
0	X	X	X	X	X	X	X	0	0	0



Exercise#02:

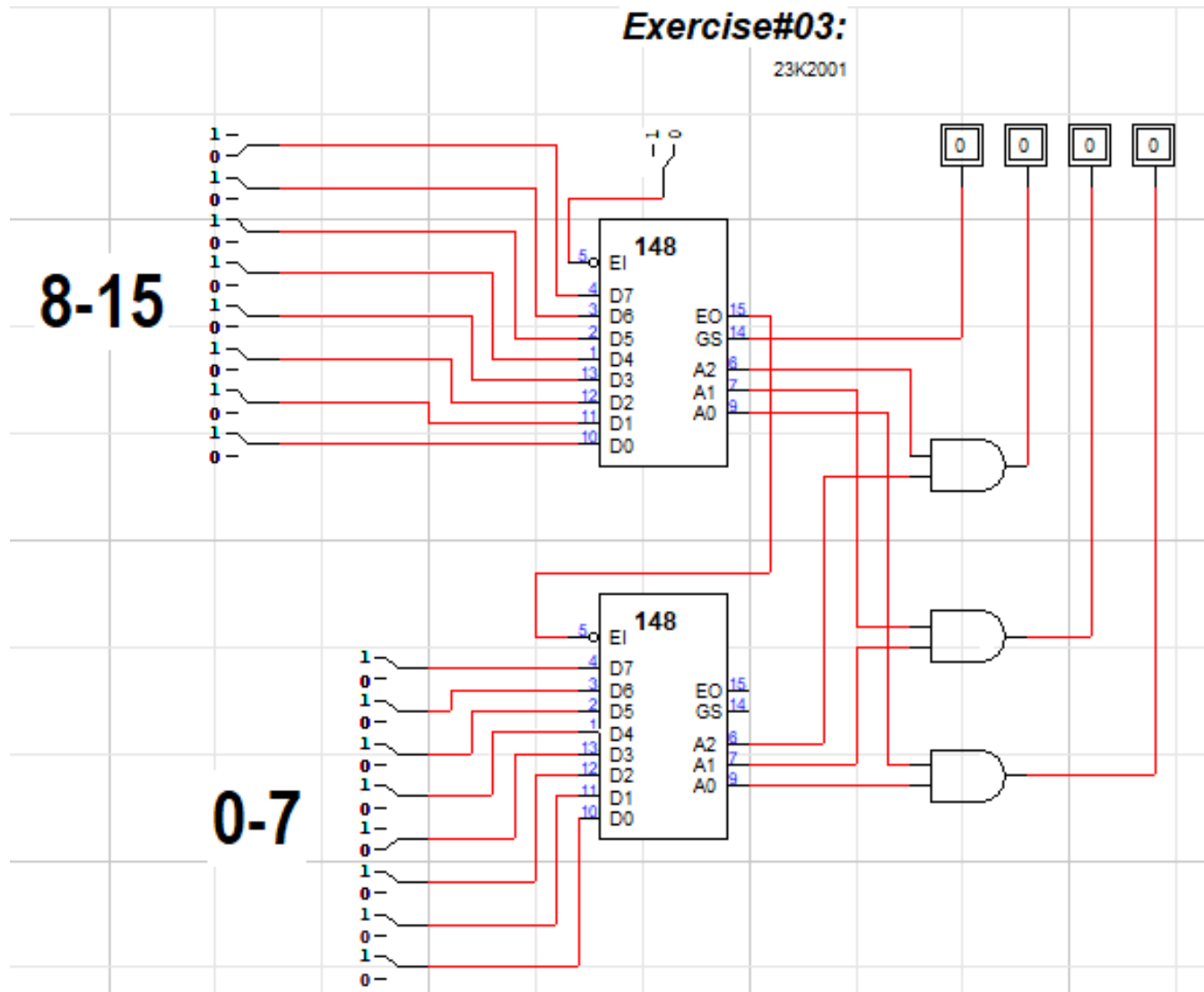
Truth Table for Decimal to BCD Priority Encoder by Using 74147 IC

Active LOW Decimal Inputs									Outputs			
1'	2'	3'	4'	5'	6'	7'	8'	9'	Q3	Q2	Q1	Q0
1	1	1	1	1	1	1	1	1	1	1	1	1
X	X	X	X	X	X	X	X	0	0	1	1	0
X	X	X	X	X	X	X	0	1	0	1	1	1
X	X	X	X	X	X	0	1	1	1	0	0	0
X	X	X	X	X	0	1	1	1	1	0	0	1
X	X	X	X	0	1	1	1	1	1	0	1	0
X	X	X	0	1	1	1	1	1	1	0	1	1
X	X	0	1	1	1	1	1	1	1	1	0	0
X	0	1	1	1	1	1	1	1	1	1	0	1
0	1	1	1	1	1	1	1	1	1	1	1	0



Exercise#03:

16 bit Octal to Binary Priority Encoder using 74148 IC



Exercise#04:

MCQS

- I. A
- II. A