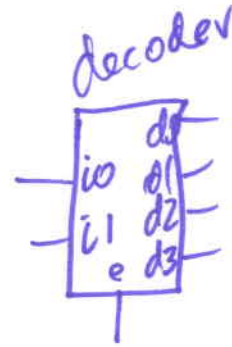


Truth table for decoder

e	i1	i0	d3	d2	d1	d0
0	0	0	0	0	0	0
0	0	1	0	0	0	0
0	1	0	0	0	0	0
0	1	1	0	0	0	0
1	0	0	0	0	0	1
1	0	1	0	0	1	0
1	1	0	0	1	0	0
1	1	1	1	0	0	0



Same table

enable  
"turn on"  
the function  
of device

e	i1	i0	d3	d2	d1	d0
0	x	x	0	0	0	0
1	0	0	0	0	0	1
1	0	1	0	0	1	0
1	1	0	0	1	0	0
1	1	1	1	0	0	0

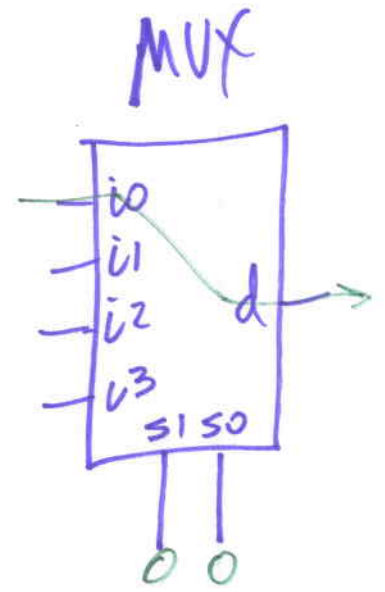
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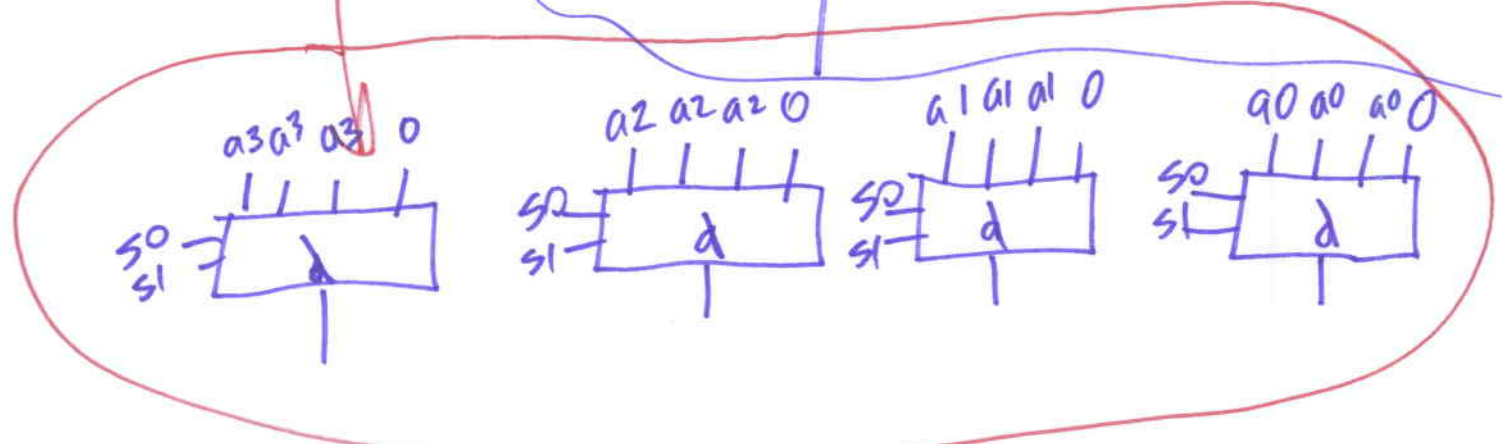
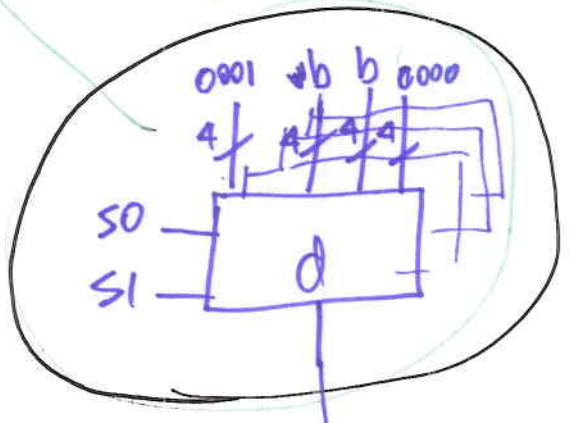
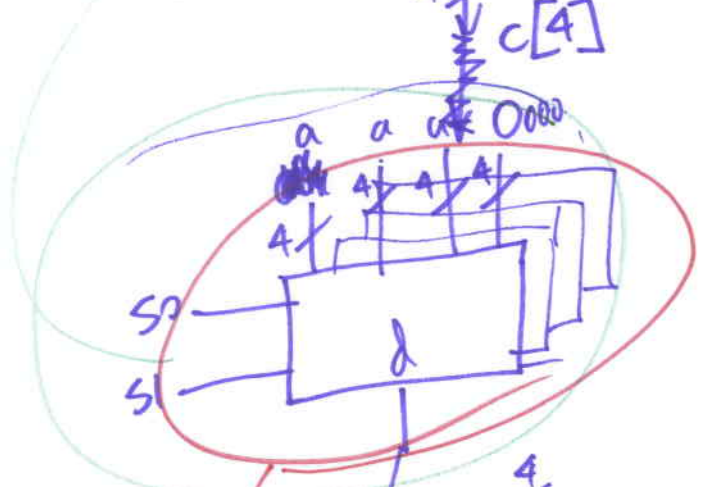
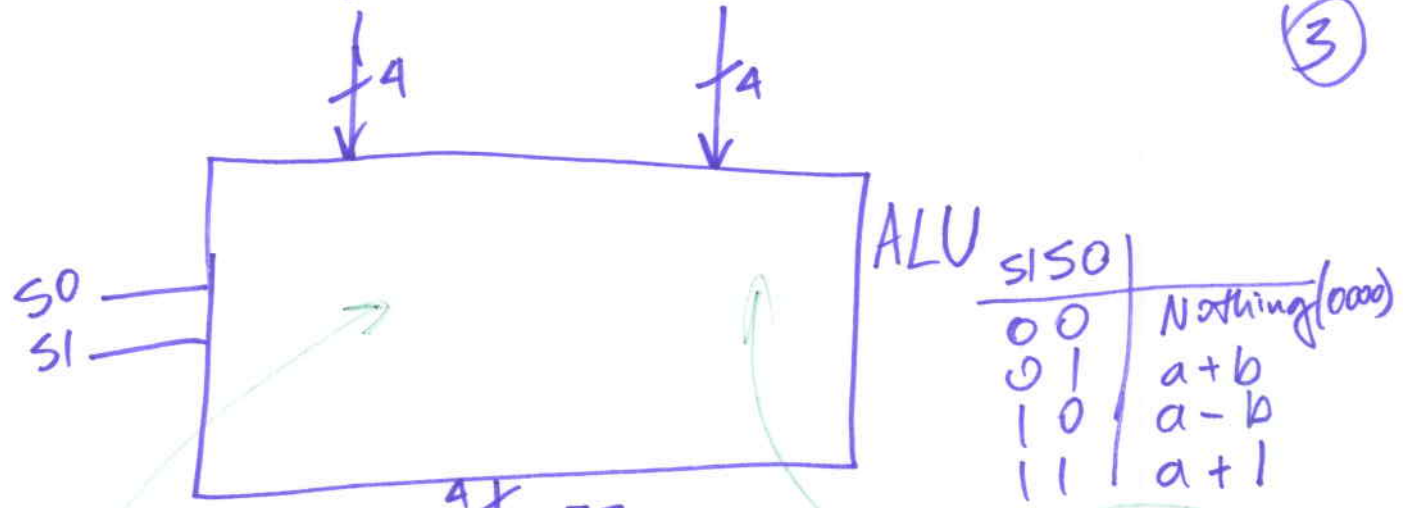
Truth table for ~~4:1~~ multiplexor

(2)

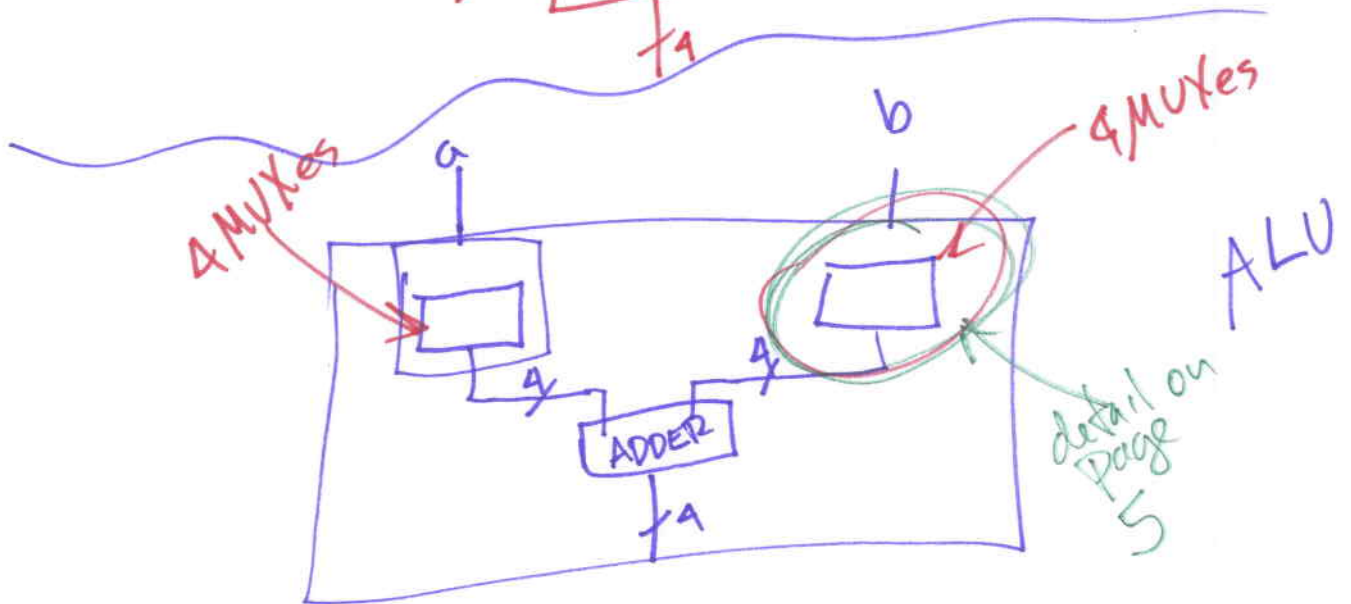
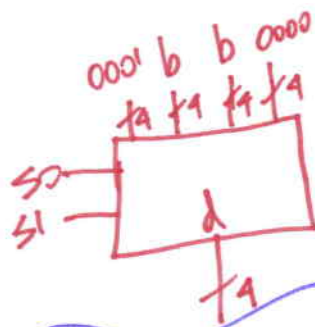
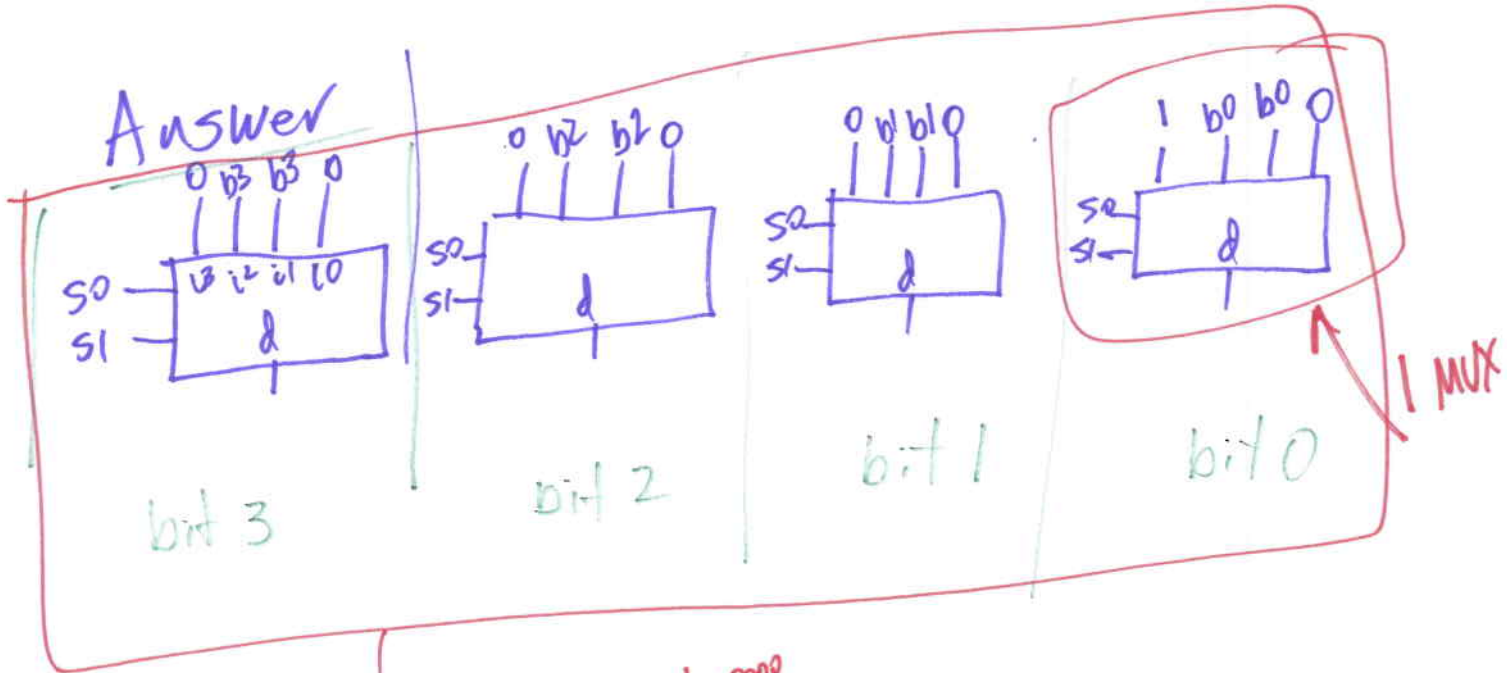
S1	S0	d
0	0	i0
0	1	i1
1	0	i2
1	1	i3

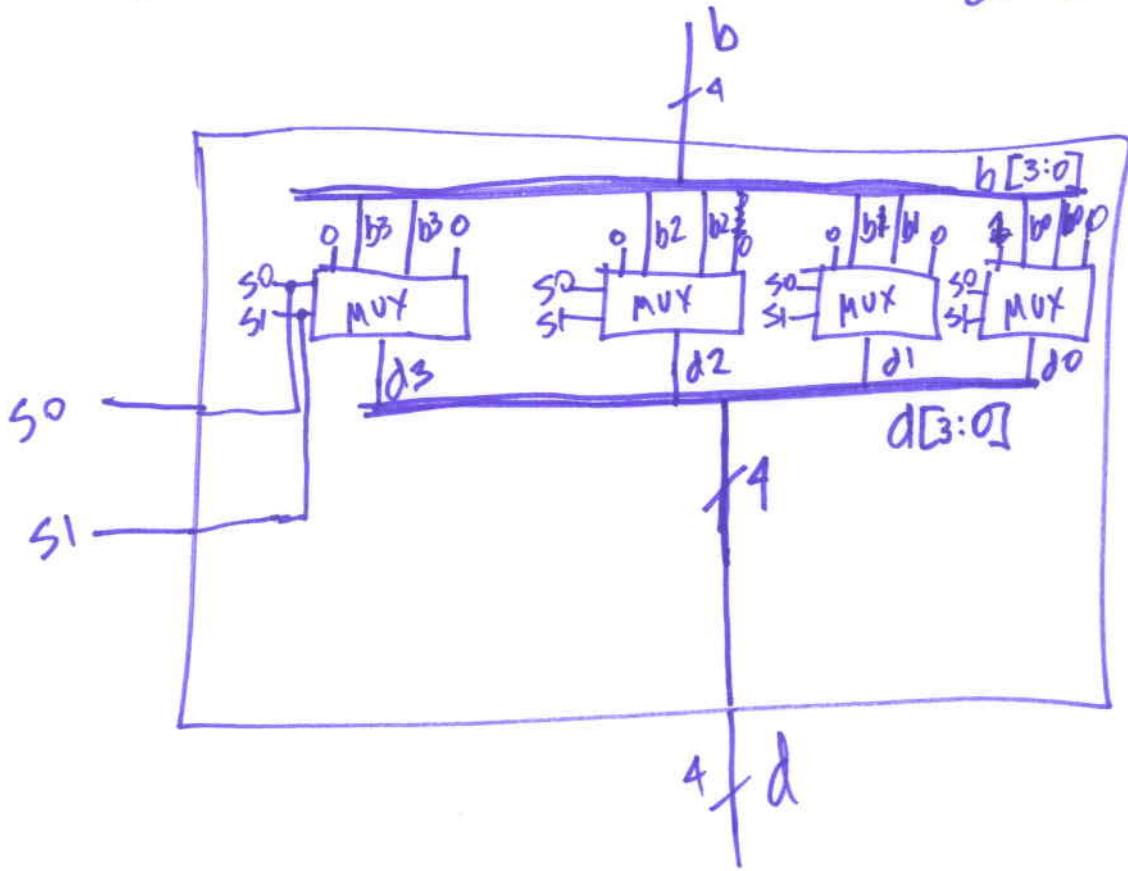


S1	S0	i3	i2	i1	i0	d
0	0	0	0	0	0	0
0	0	0	0	0	1	1
0	0	0	0	1	0	0
0	0	0	0	1	1	1
0	1	0	1	0	0	0
0	1	0	1	0	1	1
0	1	1	0	0	0	0
0	1	1	0	0	1	1
1	0	0	1	1	0	0
1	0	0	1	1	1	1
1	1	1	0	0	0	0
1	1	1	0	0	1	1

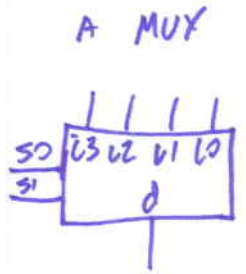


what will the





5



QUIZ: Draw this "box" for the "A" inputs.