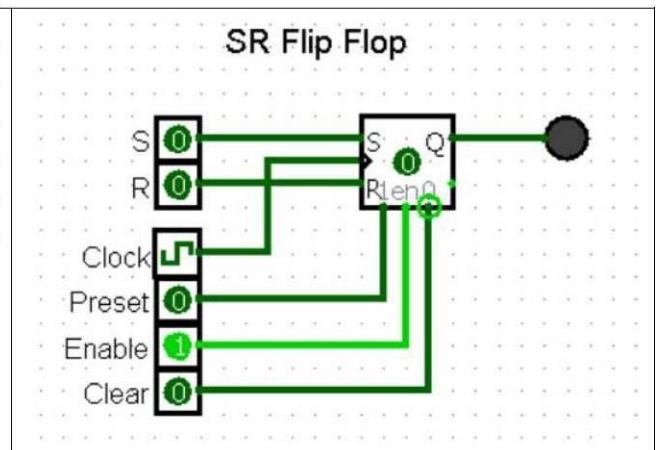


Question 0:

SR Flip Flop

Clock	S	R	Q(t)	Q'(t)	State
0	X	X	Q(t-1)	Q'(t-1)	Memory
1	0	0			Forbidden
1	0	1	0	1	Reset
1	1	0	1	0	Set
1	1	1	Q(t-1)	Q'(t-1)	Memory

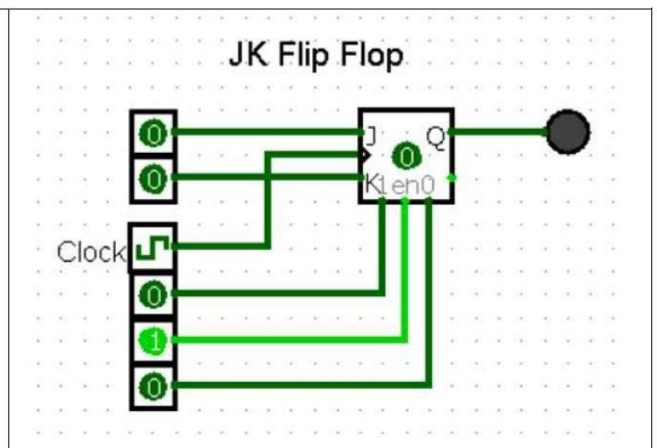
Truth Table



JK Flip Flop

Clock	J	K	Q(t)	Q'(t)	State
0	X	X	Q(t-1)	Q'(t-1)	Memory
1	0	0	Q(t-1)	Q'(t-1)	Memory
1	0	1	0	1	Reset
1	1	0	1	0	Set
1	1	1	Q'(t-1)	Q(t-1)	Toggle

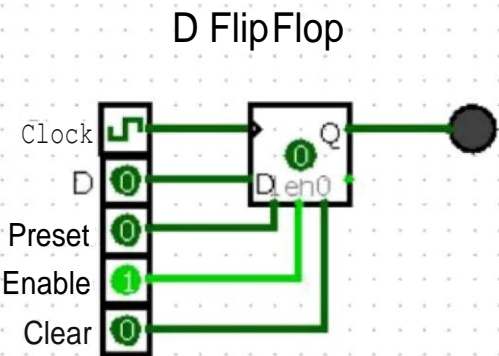
Truth Table



D Flip Flop

Clock	D	Q(I)	State
0	X	Q(t-1)	Memory
1	0	0	Reset
1	1	1	Set

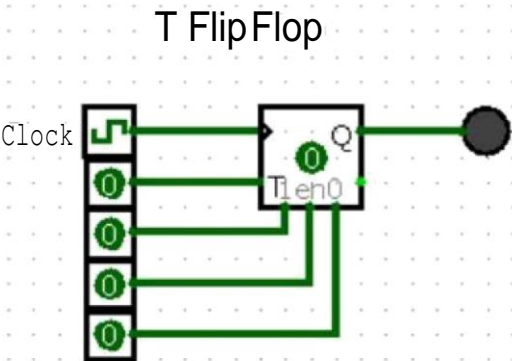
Truth Table



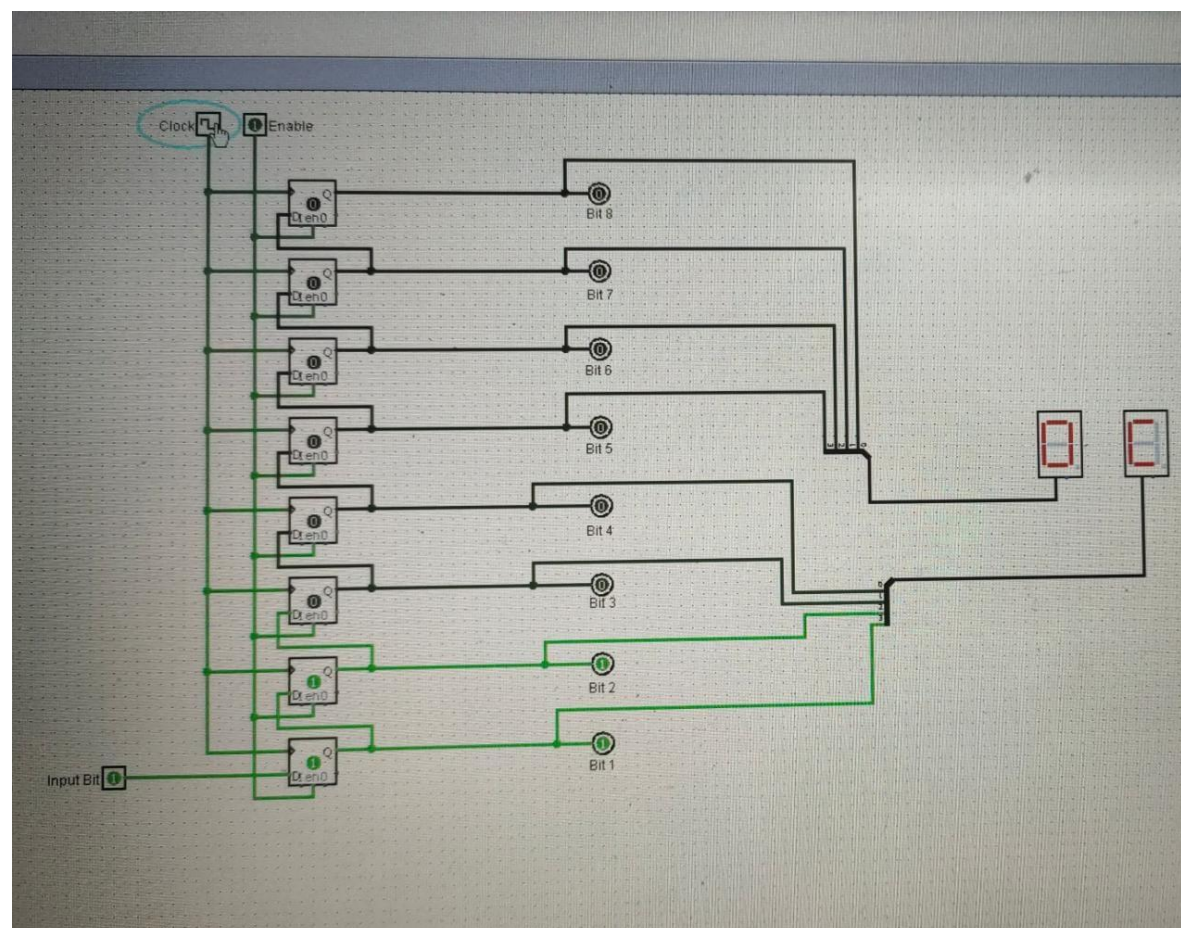
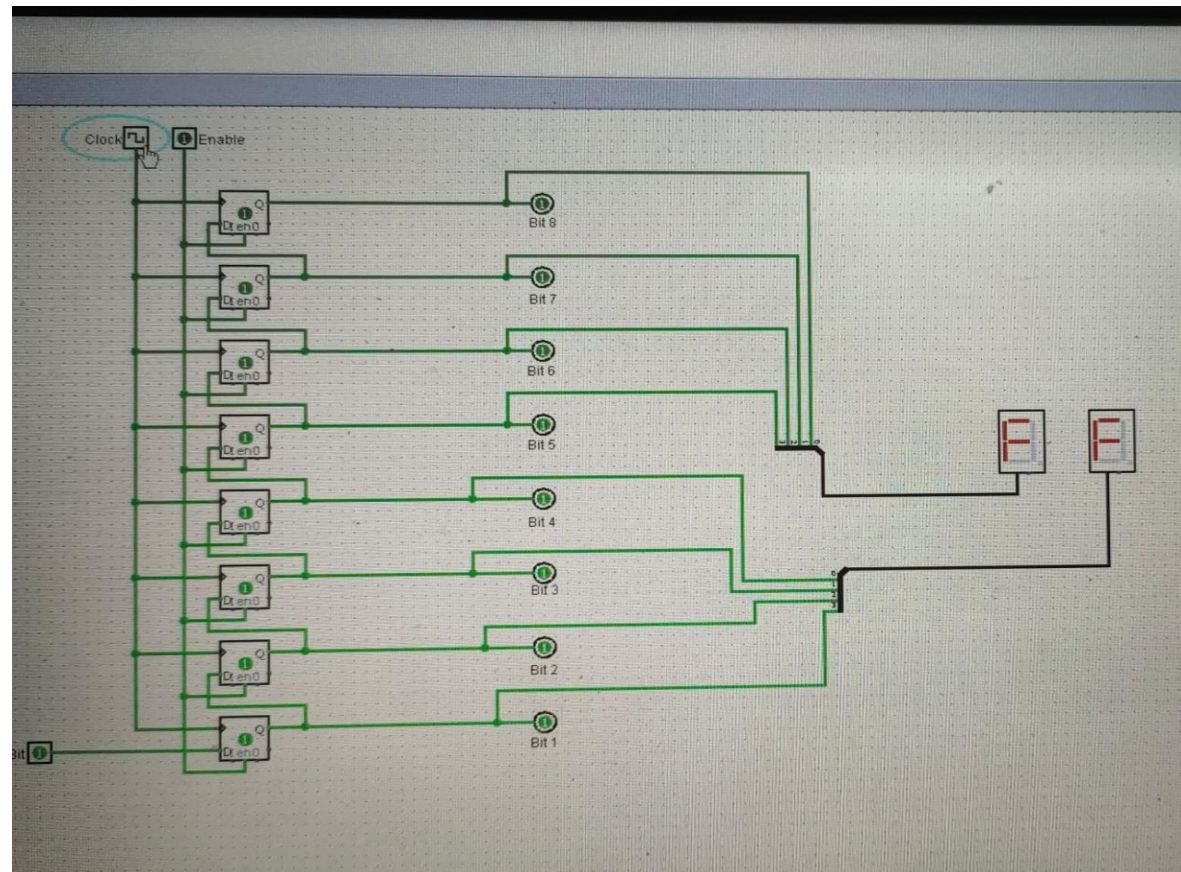
T Flip Flop

Clock	T	Q(I)	State
0	X	Q(1-1)	Memory
1	0	Q(1-1)	Memory
1	1	Q'(t-1)	Toggle

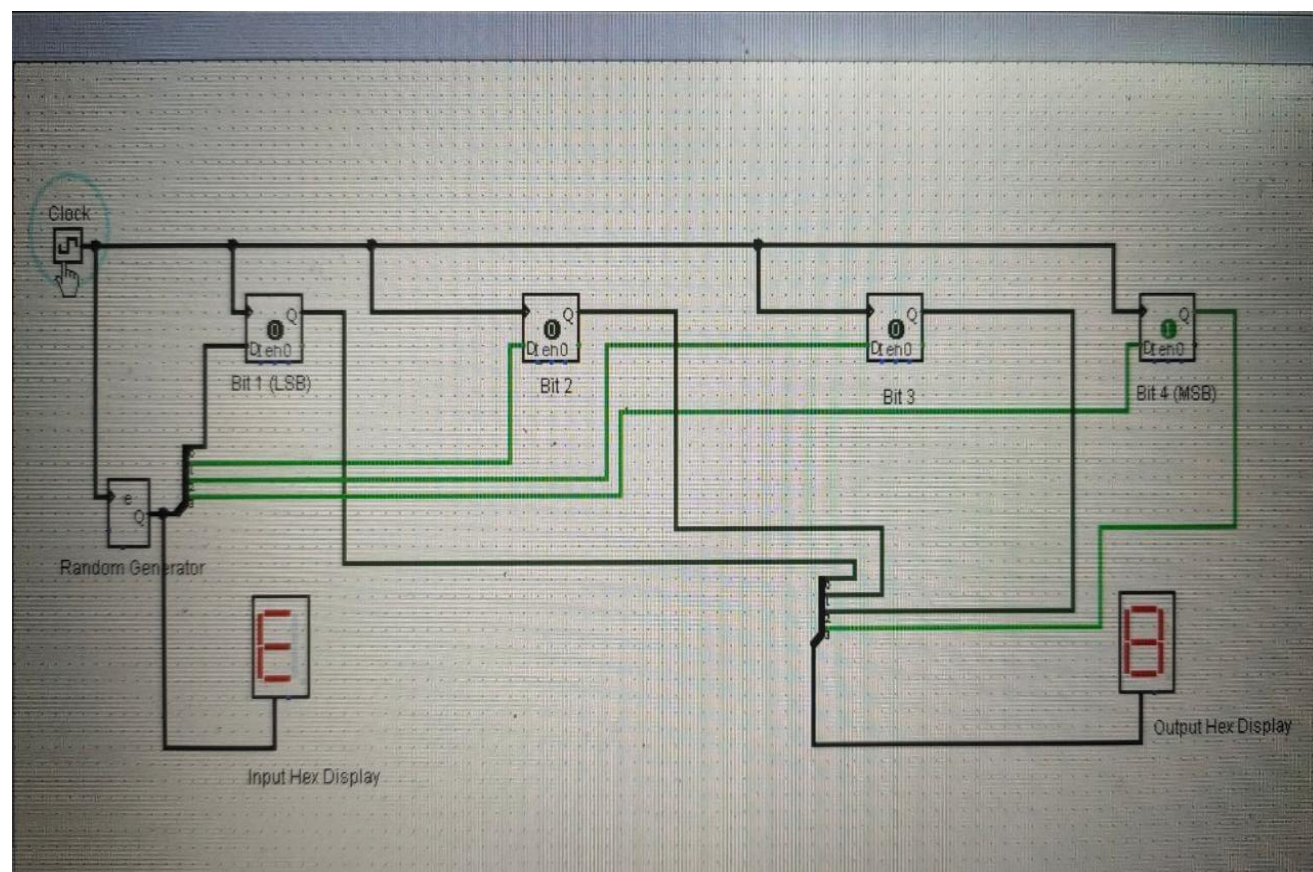
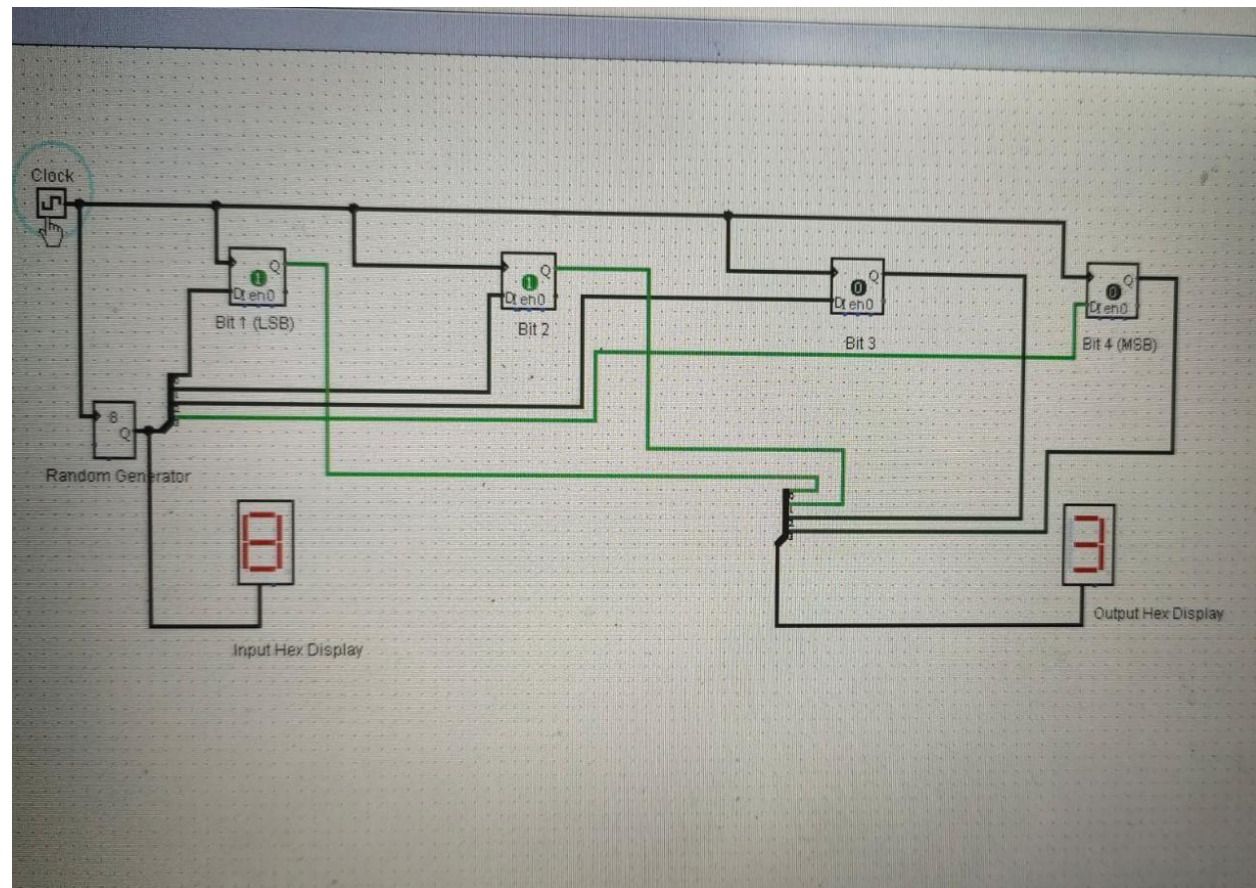
Truth Table



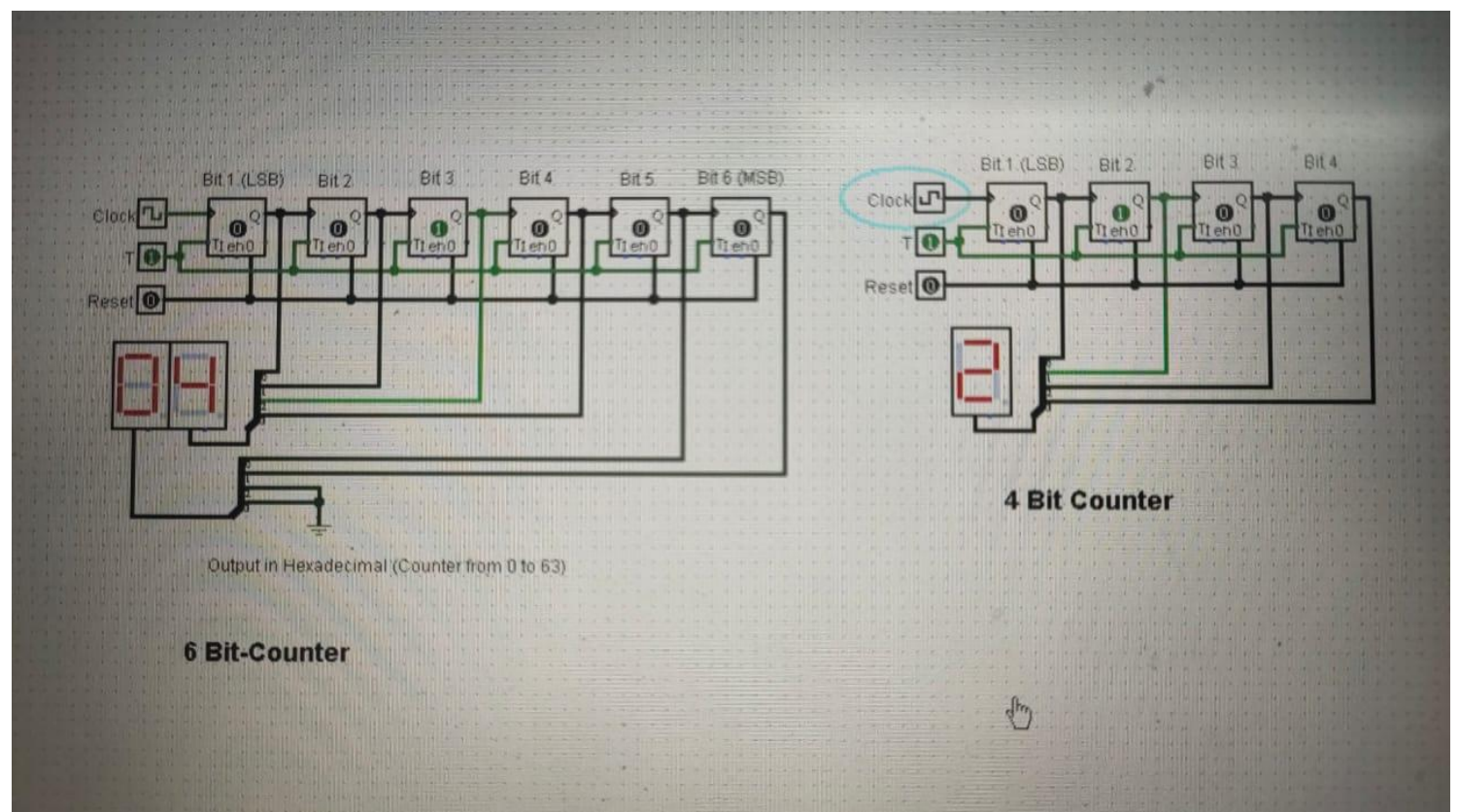
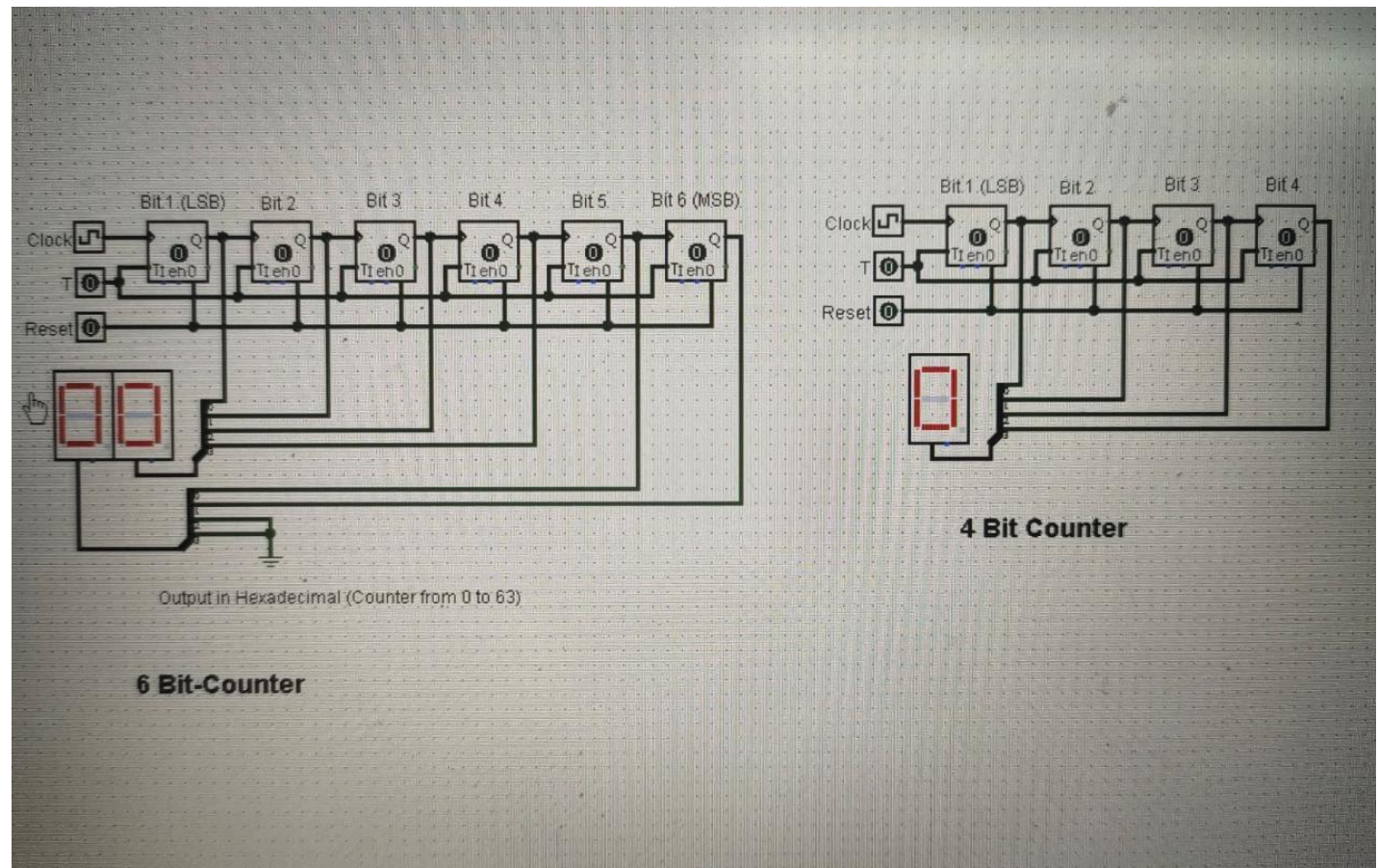
Question 1:



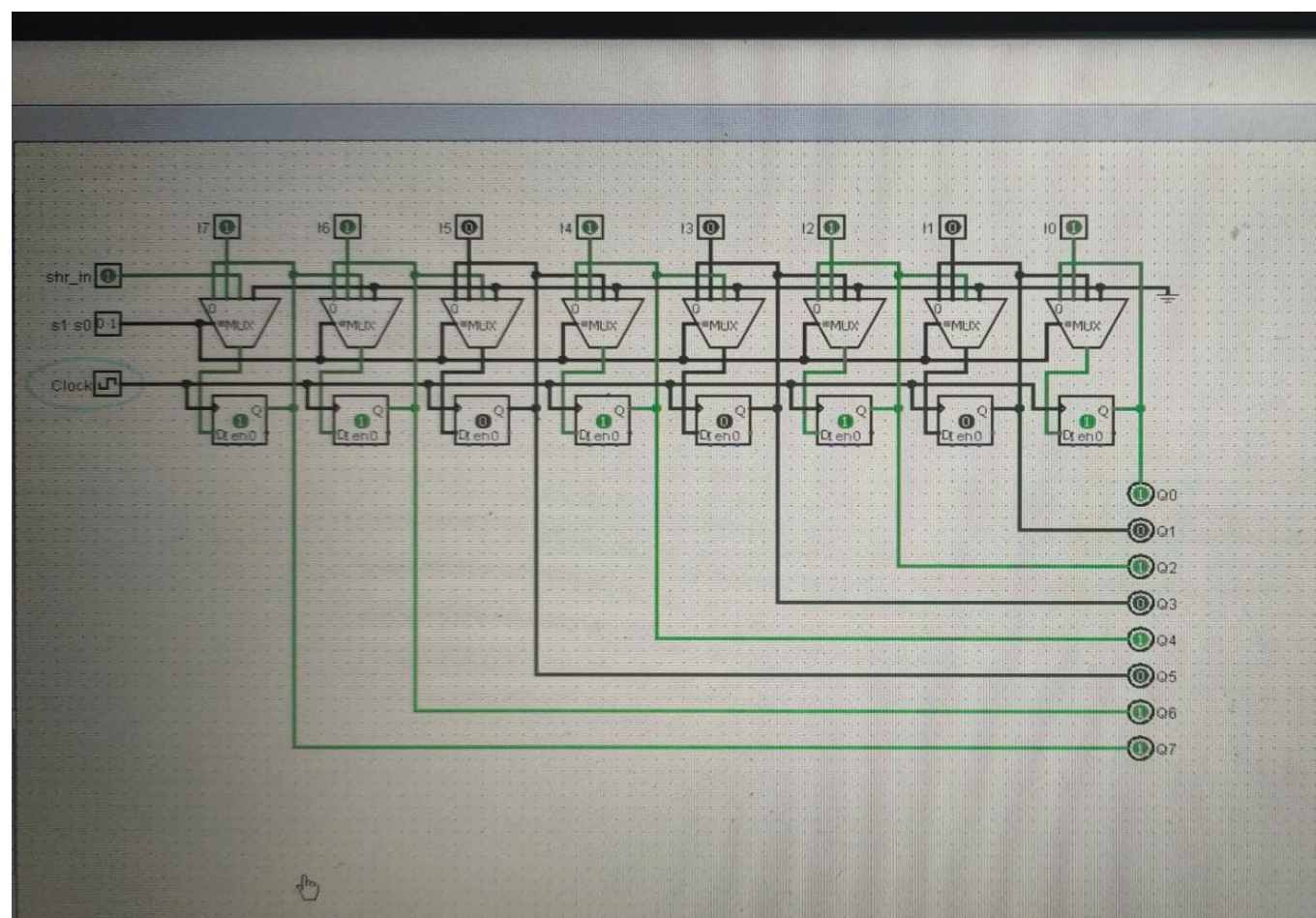
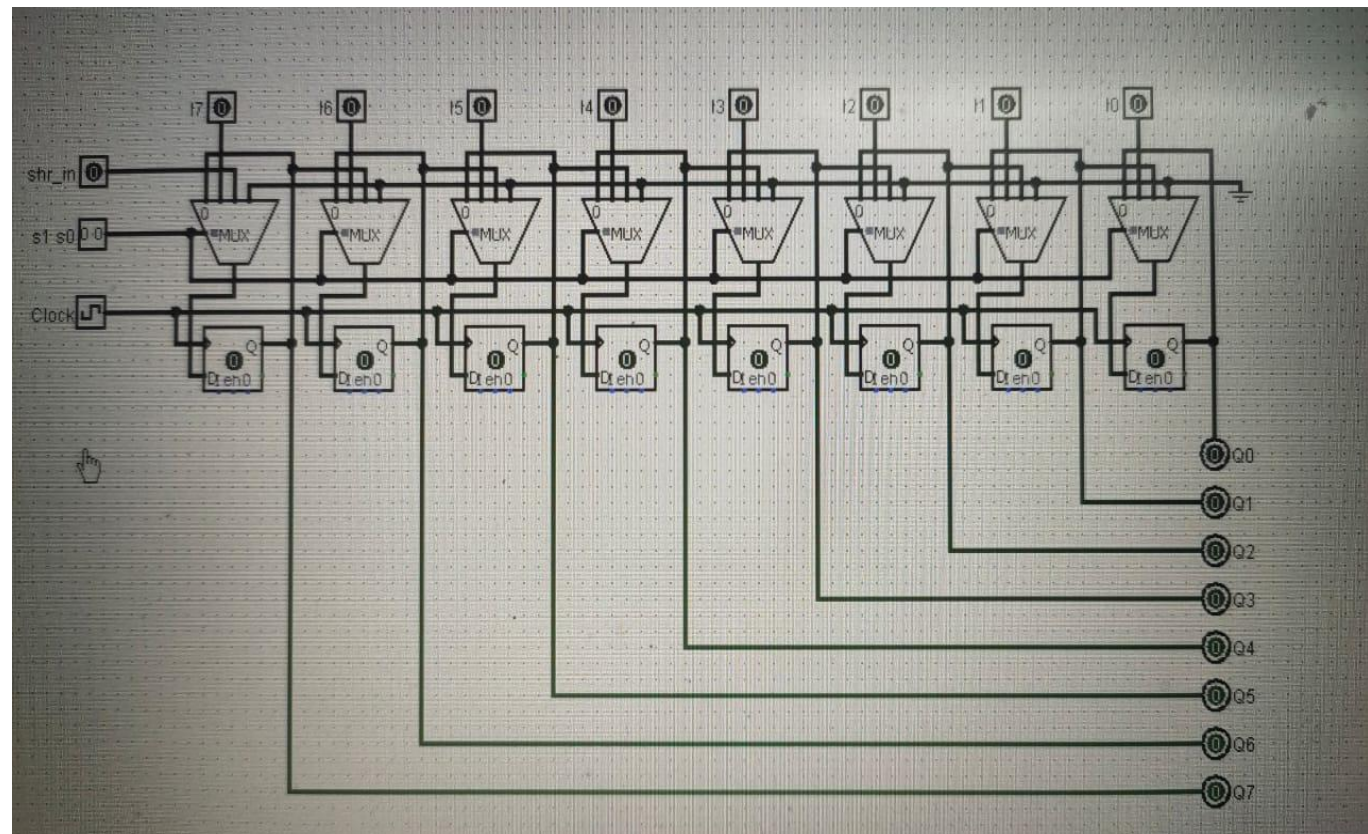
Question 2:



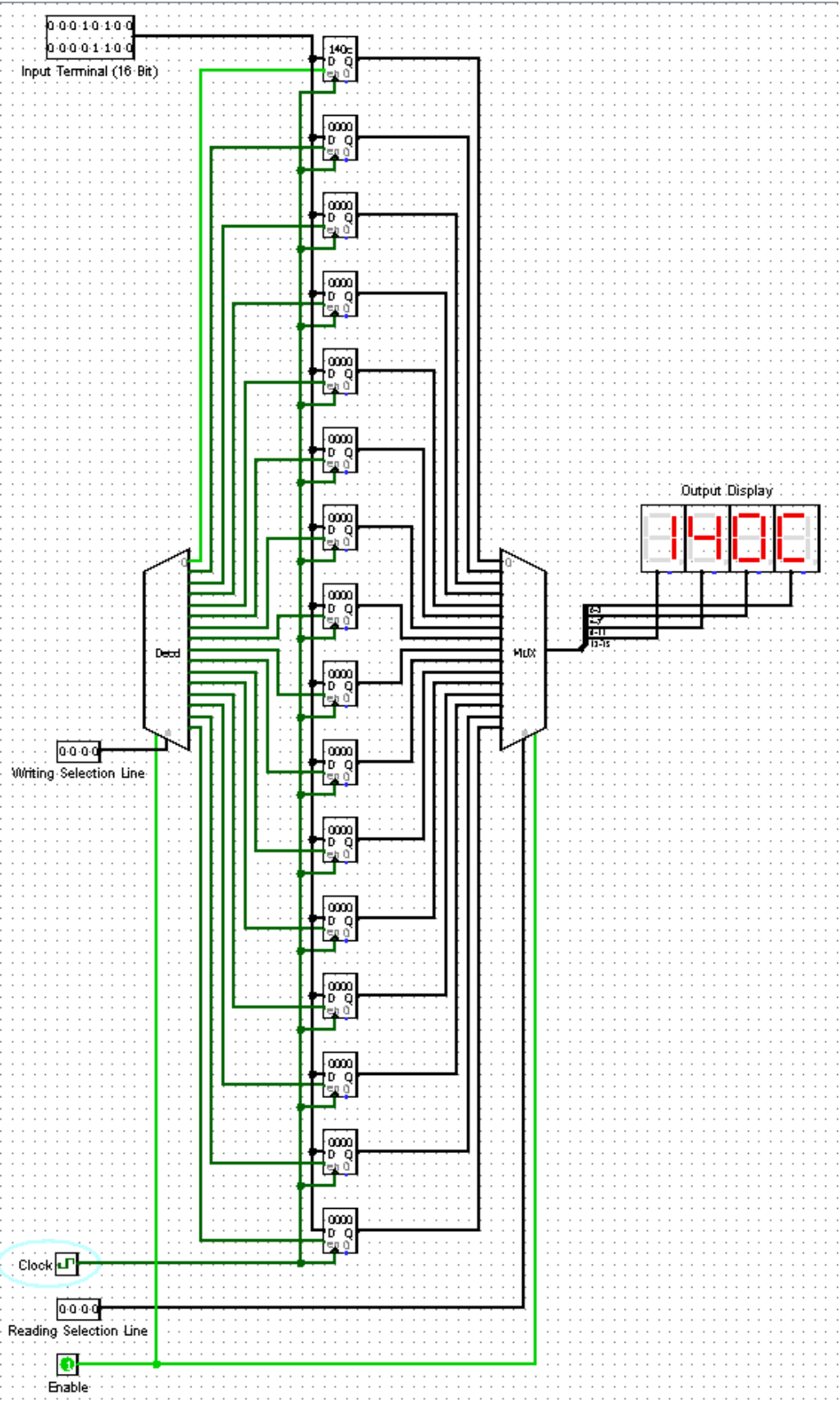
Question 3:



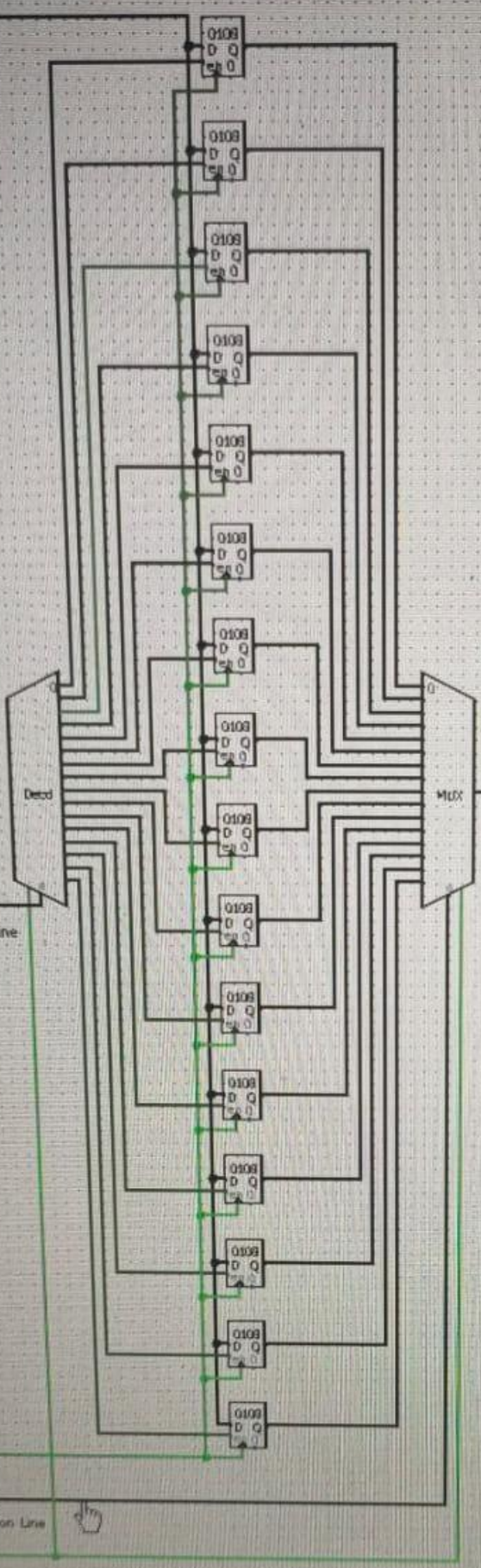
Question 4:



Question 5:



0-0-0-0-0-0-1
0-0-0-0-1-0-0-0
Input Terminal (16-Bit)



Output Display
0108