

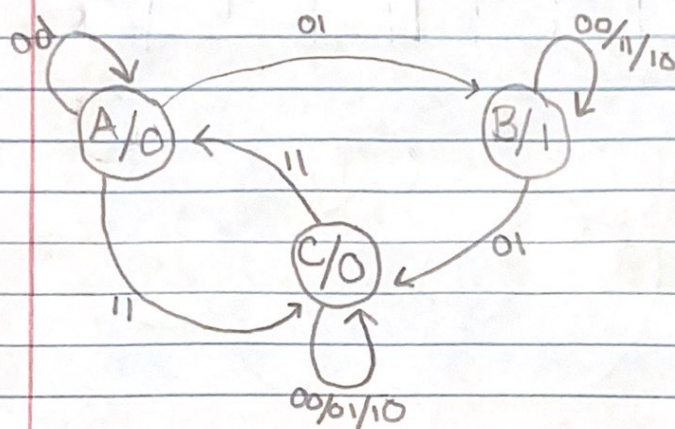
Jalen Powell  
Elec 2200

11/1/2021

Hw 23

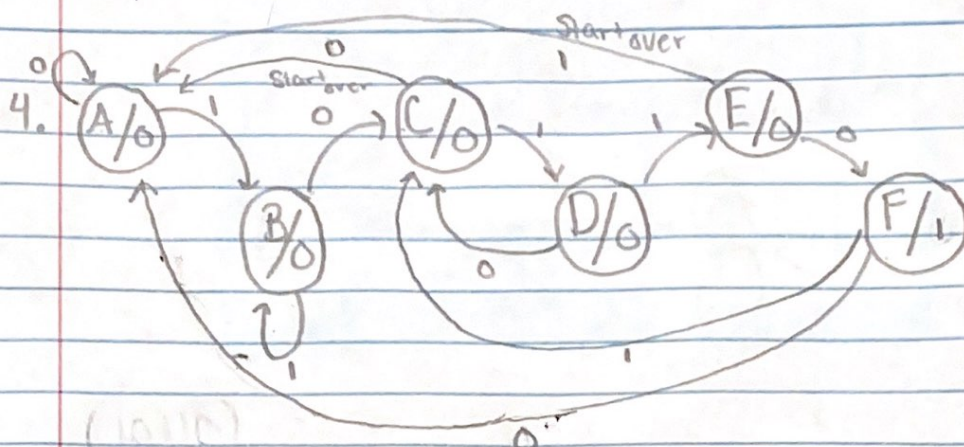
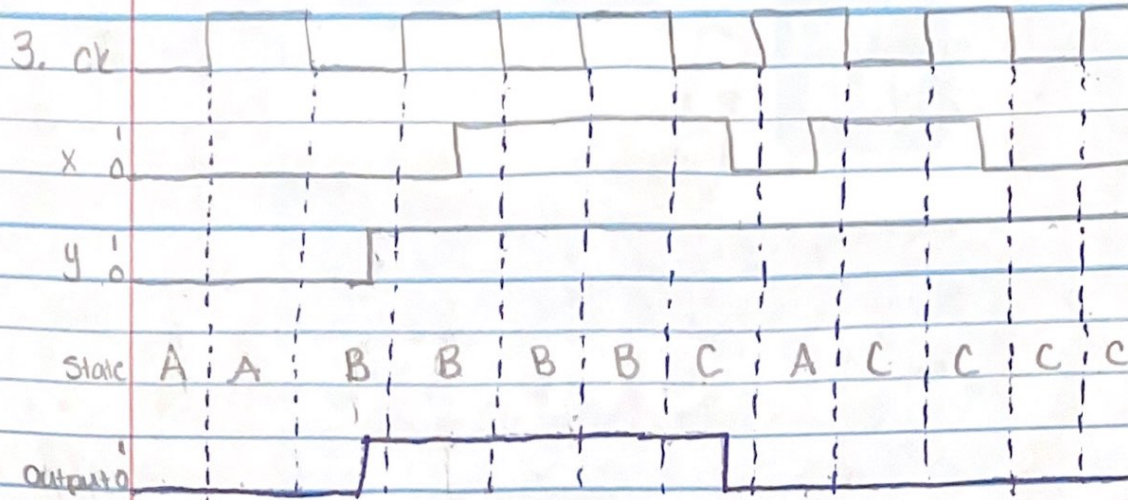
1. State

	Inputs				output
	00	01	11	10	
A	A	B	C	A	0
B	B	C	B	B	1
C	C	C	A	C	0



2. State

	input			
	00	01	11	10
A	A 0	C 1	B 0	C 0
B	C 0	C 1	B 0	B 1
C	A 1	A 1	C 0	C 0



(10110) Sequence Detector

A	B	C	D	E	F
waiting	...1	...10	...101	...1011	...10110
	10 →	101 →	1011 →	10110 →	10110/1 (can go back to C)
	11	100	1010	10111	10110/0
(stay)	(Start over)	(go to C)	(Start over)	(Start over)	(Start over)