CSE 3100 Daniel Delgado Acosta 4-24-22 Homework #3 a.) Draw the Roging logic diagram of the CKt. A B State States table for sea. CKt. State 1 Dotpo DOTPUT

b.)	Draw	the Sta	se ta	ble	for the	Sca,	CKt.				
	Preser	My Stat	e I	-1p's	Nex+	State	output	-			
	A	B	X	/ / 10x		$\mathcal{B}$	X				
N	0	d On		Ö	0	0	+ ) A O	У			
	.0	0	0		0	O	0				
4	0	0	35433	0			1/10				
	0	0		1	0	<b>9</b>	0				
	0	0	0	0	0	0	- ( O				
	0	0	0	1	0	0	0				
	0	0	11	0	1	0	0				
	0		1	l		0	. 0				
		0	0	0	0	30					
	-{	0	0	11-	0	20	- 4				
		0	1 1	0	1	l	1				
	l	0	10	4	0		-1				
			0	0	0	0	0				
	1		0	1	0 ·	Q	1				
			11	0	53	+ 1 + 1	in Call				
	4. +	1 4 1	- F - 1			1. Lawer	35,5				
	7.				y, 1.	4	4				
	C. Dr	aw the	Cov	respo	reddig	State	Dagvan	7,			
	C.) Draw the corresponding state Diagram.										
	1,5	ST K									
		(00)-	1/0	_>(1	(1)	214					
					1		(i.				
	V			00/	1/0						
	8	(01)	-	>(1	0						
			Vı								
		l.v.									

(5.8) Derive the state table and the state the Diagram of the sea. CKt. Shown in Fig PS. 8.
Kaxplain the function that the CKt performs. TA = A + B & TB = A + B State Table: Present State Next State | I/p's to TFF.S TA TB 0 State Diggram: >00-The CKt, cours & from 0 to & then buck to 0. And it is self correcting. 5.12 a.) Draw the corresponding State Diagram. 0/0

b. Tabulate the	reduce	ed State	table	·		
a<=>C,	6 <=>	e, de	<=>h	, therefor	re	
Present State	Nex	st State	OU+ PU}			
公		x = 1				
0 B	f	b	6	0		
b B	d	a	. ) 0	0		
d \$	9	a	-1 - 1 -1 -	0		
f B	f	6	3	, E		
9 8	9	h	0			
	Q	0	(	0		
, ·			7.			

C.) Draw the state diggram corresponding to the reduced state table





