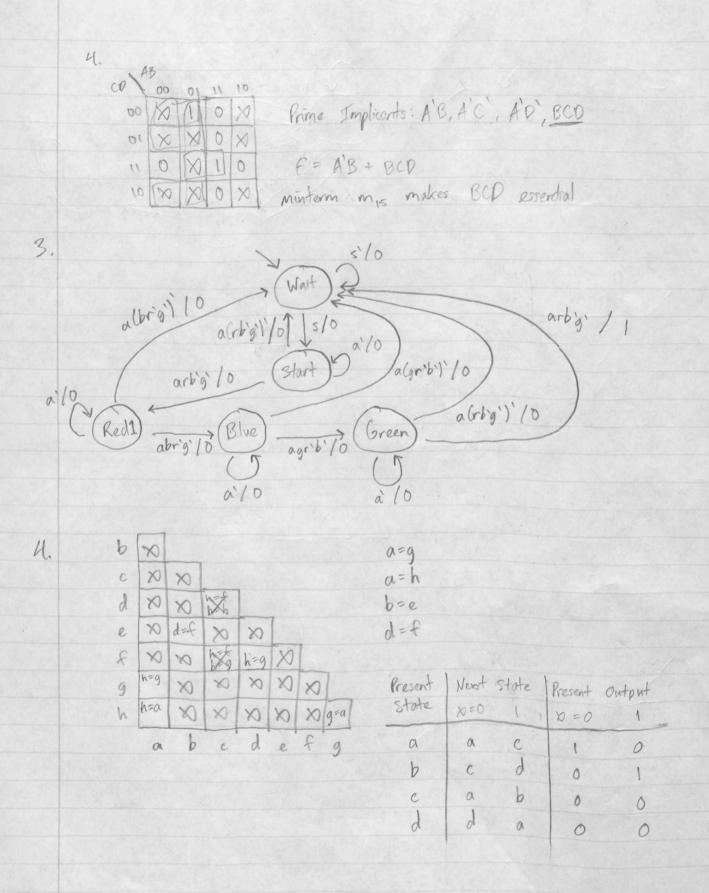


OMNX Prime Implicants: BC, A'B, BD' OXXX OXXX OXXX OXXX



~ K	~		~	
(50)->	(31)-	7 (52) -	->(33)	
Way = 100	Umy = 010	wroy = 001	way = 000	

i. 2-bit binary encoding

		Newt	State		
				W= 5,50	3, = 3, + 30
				X= 5,50	50 = 50°
1	0	1	0	Y=5,50	
				- Most literals	
	0 0	0 0 1 0 0 1	N Y S. † 0 0 0 1 0 1 0 1 1	New State  N Y S. t S. t  O O O I  I O I O  O I I I  O O N N	N     Y     S,†     S,†     W=S,S,°       0     0     0     1     N=S,S,°       1     0     1     0     Y=S,S,°       0     1     1     1

output enading

Preser	nt s	itate				Newt	S	tate		
52	S.	So	M	X	4	52	Sit	Sot	W=52	S2 = 0
			1							S.+ = S2
									Y = 50	so + = s.
			10							
									Least	literals

iii . one-hot encoding Present State

- 4	1 cours												
53	52	S,	So	W	X	4	53	St	Sit	50	M=	50	50 = 52
0	0	0	1	1	0	0	0	0	l	0	X) =	5,	S2 = S1
b	0	1	0	10	1	0	0	1	0	0	. Y =	52	5+= 50
0	1	0	0	0	0	1	1	0	0	0			So+ = 0
			0										
		-					1						

One more literal than artest encoding

6.	Present	State	Newt State	52	
		5, 50	Sa Si So +	5,50 52	
	0	0 0	0 1 0	00 00 00	
	0	0 1	0 0 0	0101	
	0	100	101	11 8 10	
	0	1	X X X	10/1/0	
	1	0 0	N N N		*
	1	0 1	110	5,50 0 1	50 52
	1	1 0	0 0 1	00 1 1	5,50
	ł	1	N N N	01 0 1	0100
				W W III	11 10 10
	52 = 5	3250 + 5251		000	10 (1)
	5,+ = 5	5251' + 51'So			
	sot = -	5,			
	a. D-Ft				
		52 -D7.	~ Tree Lyst	52-0	Incol of
		30-05	D- DEE 132	5,-01	DEF Sit
		3, -	dk	5, -0) - ck-	>
			s, DEF >so+		
			11	Tr 5,50	T2 5201
			clk ->	00/1/8	00 0 X
	1			0101	01 00
	b. T-ff	$T_2 = 3$		N X X	11 (X) XI
			2 + 50	74	10 MIN
		To = 3		To . 52	
	-		50-9 TEE -35	5,50 52	
	51	TEF > 52	Tck-b	00 0 X	
			S. D. F. J.	Set XX	
	clk		31 - 1768	(0 1)1	
			ock-b	100	