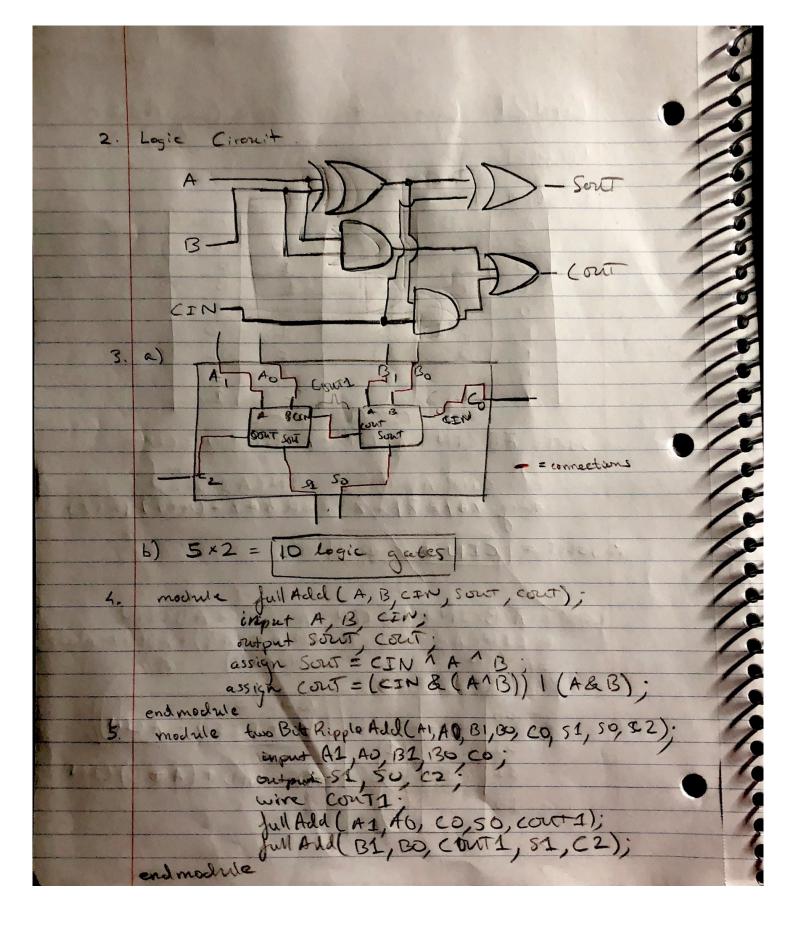
		71		1			SHETORS	
1	COF	NZI.	- Lab#	5 4-bi	+ Ripple	2-Carry	Adder	
	PRE LA BJ							
	-	a series	1 - 44			TA		
	1. truth table							
		A	3	CIN	Sout	1000		
		0	0	0	0	0		
		0	0	MA I	1	0		
		0	1	0	1	0		
		0	LI S	F. St.	0	1		
			0	6	1	. 0		
•		1	0		0	1	10 2	
)	1	0	0	1		
		Section of the		I have been been been been been been been be	11	11		
			1 422				/	
SOUT = AB CIN + ABOLIN + AB CIN + AB CIN								
		0 - 7	1511	1200	CT 11 (10:11	0	
	= CIN(AB+AB)+ CIN(AB+AB)							
maing X + + X + x + and 2649 = (2+7). (2+7)								
	. 57	1T = 1	CTNIG	A D B		A A Sec	Y I	
•	. 500		C110			- 54	3.0	
	COUT = A BCIN + ABCIN + ABCIN							
	> (IN(AB+AB) + ABCIN + ABCIN							
	A CIN SCIN(AO13) +AB							
	3 0 1							
	1 cont =							
M. v. N		40	0		AB+	BCIN.	+ ACINI	
	1	C	1	1				
		1	1 (1	VID	OR	A13+(AOB) (IN	
		1	0		Al years			
	1 3 1			(1)	17 1/2 6			
		4.4						



Test Procedure 1. If A1, A0, B1, B0, Co, 7 All outputs, 51, 30, 62 = 0 2. If one input = 2 and all offer inputs are O, then. A1=1 then \Rightarrow S1=1, S0=0, C2=0 A0=1 then \Rightarrow S1=1, S0=0, C2=0 B1=1 then \Rightarrow S1=0, S0=1, C2=0 B0=1 then \Rightarrow S1=0, S0=1, C2=0 C0=1 then \Rightarrow S1=1, S0=0, C2, =0 Testing induidnal corrections Similarly with 1, Ao =1.