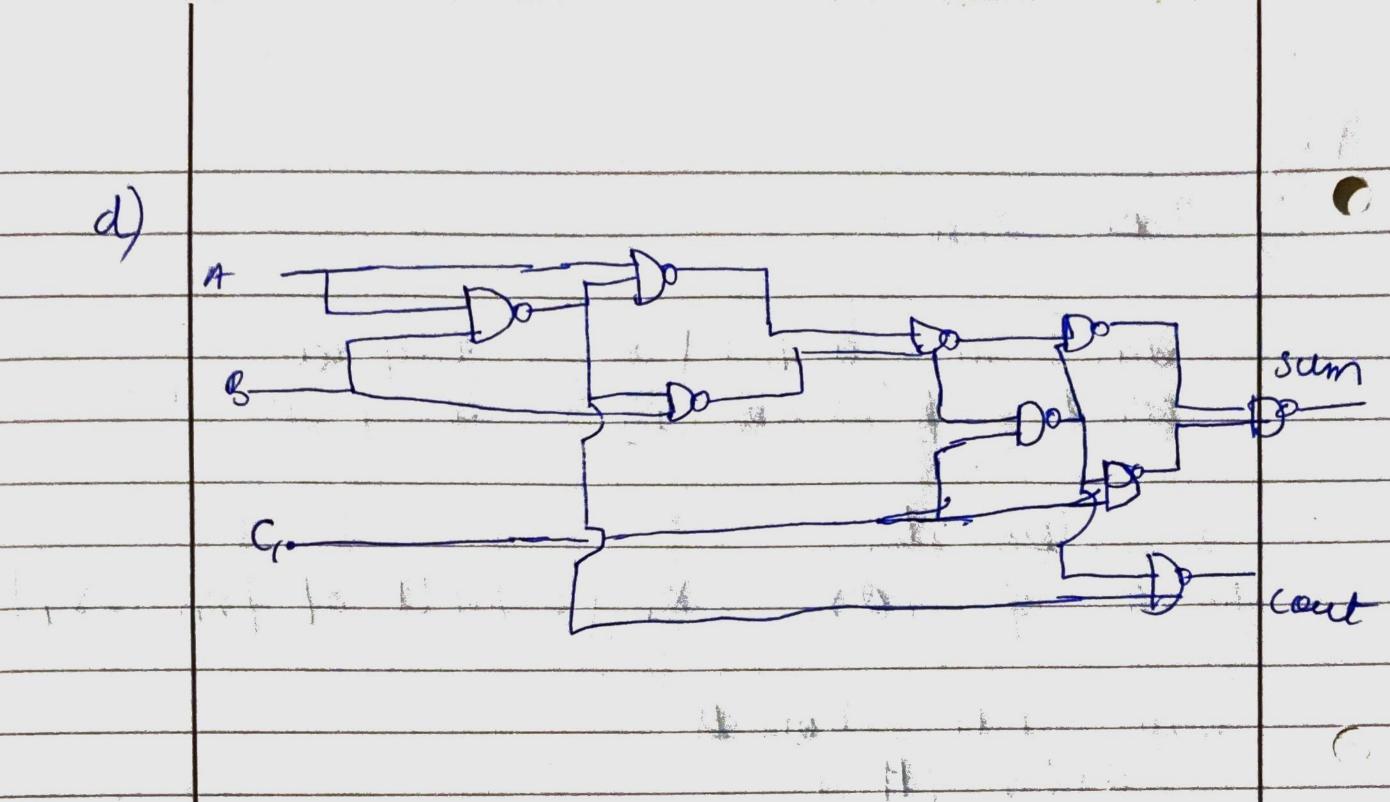
	ICS # She	et 9	Sunaus	Luigh	1/182	
9.1		5		out		
	A B Cin	AVBLAVBYC	en (AAB)V	annAVB)		
(D)	0.00	0 0	100	,		_
1	0001	0 / /	10			_
	0 1 0		0		<u> </u>	
	0 1 1			* * * * * * * * * * * * * * * * * * * *	72	
1	0 1	1 0	1			
	1110	0 0			4.	
	1 1 1	0 1	1			_
						
o >	SoNF = (7A17B1Gin) V (7A	1B17Cin		
		V(AN-BN.	7 Cin) V C	AMBNC	in)	_
- \$	Cout DNF =	CAABAC	VIANT	B M C) V		
			Cin) V (I			
б	Sunagra	= CAVBVC	n) A (AV	7BV7 Cin)	Λ	
1		C7AVB	n) A (AV V7 Cin) A	CANTBUC	(in)	
			<u> </u>			
	CoutCNF		in) A CA			
<u> </u>		(AV7b	Van) 11	-1 1+ V 13VC	en)	
						-11 47
	,					
*						

W. The

Sum CAVBVCin) 7 (GANTBACEN) V GANBATCEN) V (ANTBATCEN) V (ANBRICEN) = (7 (7(7A1-1BAGN) A 77(7AABA7GN) 17(AA 7BA7GN) A 7(AABAGN) (7A1B1CON) 1 (7A1B17CON) 1 (A1B17CON) (ATB1 Cm) TA ABA CIN) V (AATBA CON) V (AABATI CON) V (AABACIN) 77 (CTAABACER) V (A A TBA CER) V (A ABA T Cin) V (AABA CER) 7(7AABAGA) 17(AABATCIN) 17(AABATCIN) 14ABACCI) (1A1BTCA) 1 (A 17BT Cin) 1 (A 1B17 Cin) 1 (A) B1 Cin



Base step with 1 and element 9.2 folder op e Ea I = a op e le fell op e [6] = ea op e l Wour for the non element foldr op e [a,...an] = foldl op e[a,...an] To proceed in the element is celso true e [a, ann] = a, op (ar op (an op e)) op anti = Assumption = fildl ope [a, an] op any = foldl ap e [q, an, ann)

Base lase: foldt op 2 e ca) = e cop a foldr op 1 e [a.-an] = foldl op 2 e[a.-an] With a elements Nous nr 1 elements = a, (ap) (a) op) - (an op) (an+1 ap) = a, (op) (az op) (an op) (e op) an+ = a10/(a2001 (an ople))), op 2 and using por = foldl op2 e [a, an] op2 an+1
A SSUMP = foldl op2 e [a1 an,an+1] Merree proved

C) Base lase: fældr ap a [a] = a op a v polde op [N ... Nn] 2 foldt op [xn. ... X1] New nH elements

toking LHS

= 20, op (22 op ... (2n op (2n+ op a)) ×1 op (×2 op. (×n op (a op) ×n+1))) = No of (xrop (xn/apa) op' 2n1) Assumption = fældl op a [Dn..... Y] op ' yn+1 fæld op' a [4n+1, 4n-... b,]