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-		u						

FULL ADDER:	HALP NOBER STRUC
Cal by Dates and a	Cint A Wolfe Watson
28 11100	
+22 10110	
50 110010	(Cor muse) rox
* Inputs: Numbers (	bits) to be added - A, B
Carry fro	m adding 2 bits -C
* Outputs: Sum, Carr	
NA NOVELIBOOK INO	PATAO SHOOF PIAH
TUPUT	OUTPUT
A B Cin	Sun Cont
0 0 0	0 0
0001	aga O sum les
0 1 0	9 (mo) O (m)
0 1 1	Oca Mathoreting
100	1 0
1 0 : 1 ) (2	97077 SAMOA AJAH
	YOGARIOHI SUNDOM
1 (cal 5/5) 3hr John	100 per la
Sandistan's Vinil Albert	
K-MAP FOR SUM	FOR CARRY
A 600,01,11,10	ABCIN FOR CARRY
0000	000000
10000	10000
Sum= AB'cin + ABCin+	Carry = AB+BCin+CinA
AB'cin + ABCin	= AB + Cin(A+B)
	Cusing XOR instead of OR,
	because in A=1, R=1 case

AS is already 1 > OR gate will give I mespective of using

Date		
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Sum = A'BCIN' + AB'CIN' + ABCIN + A'B'CIN

CIN' (A'B+AB') + CIN (AB+AB')

CIN' (A'B+AB') + CIN (A'B+AB')

CIN (A'B+AB')

CIN (A'B+AB')

CIN (A'B+AB')

Corry = AB + ACin + BCin ABCin ABCin + AB + ACin + BCin (A+A')

ABCin + AB + ACin + A'BCin

AB(Cin+1) + ACin + A'BCin

AB + ACin(B+B') + A'BCin

AB + ACin(B+B') + A'BCin

ABCin + AB + A'BCin + AB'Cin

AB(Cin+1) + Cin(A'B+AB')

AB+ Cin(ABB)

08a) ( ( 128 a) = tuo 3 ND1220

LOGIC DIAGRAM:



