



8 ubt la cto2 Full 2) A full subtractor is a combinational straint that performs subtraction of two bits, one is minued of two bits, one is minued and other is subtracted, borrow. It taking into account borrow. It previous adjacent tower minueral bit. =) The circuit has tree inputs

and two outputs. Ite

three inputs A, B and Bin

three inputs A, B and Bin

denote the minued subtisherd and previous borrow, hespectively
the two outputs, Dand
Boylot to difference and

Difference (D)= AFBF C Borrow (B) = AB+ A? CPn+B. C Difference B=A'B+RC+ RC AB B BC Bord 0000 0

Formula (Ist step A-B=Rand step R-C = Ditt, Borr A=0, B=0, C=1= Ditto Borrow A=0, B=1A - B = R 0 - 1 =BORX Dift Ita n pollen we 10 الازما become BOXD

Code Convertors) la code converter Ps usec is used to convert one type of brnary code to omother. There are different types of binary codes Ipke BCD code ghay code, exect code, etc different codes are used for different types of digital applications trom any one type of 1 code the simple code conversion process is done wilt the help of combinational arrants A code converter crown
will convert eadal intoormate
in one form to a different
coding form

Decimal Digit	BCDcode	Excess Lod
Veallon	0000	0011
	0001	0100
2	0010	0101
3	0011	0110
Y	0100	0111
5	0101	1000
6	0110	1001
	0111	1010
8	V000	101
9	1001	100
we can m		L table
like Itis	The second secon	
(BED-84		ess-3
IA B C		XXZ
0000	0 0	0 1
1000	The state of the s	100
2 0 0 1 3 0 0 1 4 0 1 0	0 0	10
3 0 0 1	1 6	110
	0 0	
5010	1	000
6 6 91 1	. 0	00
The second secon	1	0110
	0 1	0 1
9/1/0/0	0) 1	00
	The state of the s	
	The second of the second secon	



