

Date :

Subject:

Subtraction in Binary num:

Ex:-
$$(101101)_2$$
 $(000111)_2$ using direct substraction 103101 000111 $= 000111$

2's complements:-

negative Binary num From +ve num

ones zeros Zeros oros

10111 a (0111)2

_8.E

Date: Subject:
unsign
11110-0255 11111110->127
11 1 0-8255
Ex:- get negative num of (1101101)2
1'5 0010010
그 사람들은 아이들은 그 살아가는 것이 되는 것들은 사람들이 되었다. 그 아이들은 그를 보는 것이 되었다.
25 300001 +Ve 30 10011
-Vest 3 100 100 1 1
X:- (17) 10 , 1860 01
+ (9) 10 = 01001=0011010
le 126)10 extinsion sign
CACIOSTO EACINSIGN SIGN
(21-1-12)
X:- (17) 10 10001 I's Complement 10170#
+ (-g) 10 0 100 1 -ve Is Complement 10 100 \$ + (-g) 10 0 100 1 -ve 2'; 000 1 + ve 2'
$(8)_{10}$ complement $(-9)_{10} = (10111)$
exerción () 10 = (1 0 1 1 1) 2'
10010001
yeard 2) 000 1 00 0
3.8

Date: Subject: R:-- (17) 10 - 10001 - 1's 61110 + (9)10 01001 % 00001+ (-17)10 = ((01111)2 0001001+ 11100012=(-8)10 000111 Vertication 0000001+ 0001000 - (8)10 EX:= Find $(12)_{10}-(42)_{10}=(-30)_{10},(412)_{10}$ 6 0 2 21-20-7 2/3 1 2/10/0/4/12/10 = 7/10/0/11/0/2 2 5-4-17 (12) 10 100 001 100 1 7 2 0 (630)300 (12700010) Verfication 15000 22702 1 1 101100)2 (30) (000 1110) Des EX:- (-12)10 - (17)10 = (-29)10 (-12)10 + (-17)10 = (-29)10 II

Find: (12) + (10) , (17) + (12) , (17) + (27) + (8) * result = result decimal < 8 octal + (carry=1) $(12)_{g} + (10)_{g} = (22)_{g}$ $(17)_{8} + (12)_{8} = (31)_{8}$ (17)8 + (27)8+ (16)8= (64)8 Yesult octol-16 = Yesultologim EX: (12)16 + (10)16 = (22)16 Hexa result- result 0 < 16 (1B) 16 + (12) 16 = (2D) 16 H result - 16 = 0 7 7/16 (17) 16 + (27) 16 + (1/1) 16 = (58) 16 H result - 32 = result D7/32