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95 m. 6- Ende alealo and 100 Com Com
                                                                        را خطا مورنان المراد ا
  ( ) [a], = r"-A
   دان رواط ۱۸ و ۲ مرس تعدادارهام اعساری و تعداد ارهام صفح ۸درهسای ۲ هست.
olembo (16- (16- (16) 8-(1) ) (150/6) ) 8 chims com com so i chi kor's
   مرد بر رسست آوروری مسلی-۱۵ (معیلی ۱۵ و در منا شی ملی - و بامبرای حداری اروام م
ست عدد من السترس دد ومرس سنا معمل 8 (معمل 16) بن عدد الي سم عود درادم حل تحالات
   decimal: 168.675 & (10101000/1010110)
                                                                                                                                                                           1 ( LIN - 1)
    225 Com: 010101000/1010110 2 (168.675)
      octal = 250/530 Hex = 0A8/AC
       2's com: lallall/11101
                                                                                                                                                                             ادىف دوام حدال:
        decinal = - (72.09) - 80 ins course Cirk - 2(16,44) 8-044
        8 35. cm: 110,110,111,111,010 @ (667,72)
        16's con: 1011,0111/1110,1000 € (B7/E8)
      2's cm: 1100 0110
 decinal = (-57), >(16)8 vingene cink > (1600)8-000
         8,2 cm: 111,000,110 -> (706) 8,2
         1635 Com: 1100,0110 - (C6)
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decimal = (498/5).

Hex: (12/8)16

Hex: AC83.EB = (600 1000 6001/1110 1011)20

2'5 cm; (0 1010100 1000 00 11/1110 1011)20 1 Chip più insidecinal= (4416412)10

octal= (126103/726)

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renaissonia (number flom 12 2; Ohir ave o mores in mager flom is 10 5)
   نفی الوصترین عدی مردم ان سی درونیاز وجوددار من رحد بارد. توج سد وجودساه rober
                                                                                                 مربع منا نيست مر ايمان وجود المراء عاده وجود الرد
ع ف دارى الله المستار و 5 سن معيوات . تسام معيوات . تسام معيوات . تسام معيوات . تسام معيوات .
      AC(-11), BC(11/3125), FIR / A+B = 0/3125
                                                                                                        A-B = -22/3125
                     回回口口
 A+B = 1010110101 (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010) (1010)
                                                                                              . Cubbi Droverflow Strip Oril and Prio
  A-B=A+(B) 2'S Gm : (C'C) QUE B) NE 2- (L') A (A-B C) 100/5 2 (L') (R)
       10101/0000
                                                                 over flow=1
       10100/1011
      01001/1011 @ (9/8125)10
                                                                                                                                                     سراع المحامد دويج لدار سرة ما مام م
      b) A = Malouly (1) , B = olo Moll and 125 com
                                                                                                                                                                                      هست انها سحيح
                                                                        A+B= 46.75
         A = (-44,25) 6=1. A+B=46.45

B = (a11 ) A-B=-135.25 <-127 x
                                                                                     - (28-1-1) = -127 :1000 por 0.84 course crises d
      A+B= 11010011,101
                       + 01011011000
                                                                                                 under flow= .
                   00101100/0100/46.75/
 A - B = A + (B)
175 cm = + 10100111101
+ 101001001111
                                                                                                                                           under flow=1
                                                                           01111000/1010 120/625
```

e) 
$$A = 1000$$
,  $B = 777$  and odal

 $A = 1000$ ,  $A + B = 1023$ 
 $A = 1000$ 
 $A$ 

f)  $A : fff \in \mathcal{D}$  B : b : 1 and Hex  $A : (65534)_{1} \longrightarrow A : 69631$   $B : (H : 97)_{1} \longrightarrow A : 6:69631$  A : B : 69631 A : B : 69631

8) A=9A5 and Hex A=4869

B=D17

B=D17

A-B=1518

Borrow C, 25

A-B=8220

Overflow=1

A-B:1518

Overflow=1

A-B:197A5

Overflow=1

Overflow=1

Overflow=0

Overflow

Com Cler of a pine content of the c

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e) A: 1000, 8:777 and octal
                                               dresse city in the suit
 A in 2,5 am :001000000000 $ (512) = 1 A+B: 1023
Bin 2's an :0001111111111 ~ (511)10
                                                                over f buis
A+16: 001000000000
                                                                 under flowers
                        over flows.
                                           A-B = 00 1000 000 000
        colliniii underflows.
                                              000000000 OO 1 O(1)
         € 1.23 1
              سی منعم می مرم تعادر سورت مردم سال مرد عدر مندی اسد ساج سفارت مواهر دو
8) A= 9A5 and Hex
B= 1017
 A in 225 com: 1001 1010 0101 & (- 1627), ~ $\frac{1}{4} + 6 = -2872
 6 in 2°5 cum: 1101 0001 0111 € (-745)1.
                                          A-G=-882
 A+B: 1001000001
                                                                 over flows.
                        underflows A-6: 1001 1010 0101
                                                001011101001
                         underflowing
                                                                 under flows o
                                              11001000 1110
        011010111100
        ~(1724), X
                                               E (-885) " \
```

PI A = PPF 6 , B = 1001 and Hen A & 1111 1111 1111 1110 & (-2)10 => \$ A+B: 4095 B~ 000100000000000001 ~ (4097)1. A-B=-4099 A+B: [111 1111 1111 1110 overflower A-6: + million million overfloure underflower 11101111 1111 1111 Underflowis 1110111111111111111 1-40971.\* (- 4099)V Was Trues Sign magnitude دورفهر تفاست ا ورم عوال ست عدت ورافر وستريكو (10 cmp. درورفرف مرسى مدست عدمت طريم على اعرادست معلى ا ماروس اعداد من مامد و معامد من معام المداد من معام المداد من ماروس المعادد من ماروس المعادد (2 au) 2's comp. بن اعدادست ساجم دا واعداد مدت مدي و عال





$$(x-6)(x-q) = x^2-15+54=0$$
 =  $(x-6)(x-q) = x^2-15+54=0$  =  $(x-6)(x-q) = x^2-15+54=0$ 

Q=11011 from sign to 125 con: 000 11011 → 0μ5

α=000 1/011

Δ=000 1/011

α=000 1/0

b) 110 10011 from 115 cm to 2'5 cm; 110 10100 > 745 b @ (-44), -> 0/23 Sign: 1010 1100 +0/25

C=11010101 from 205 can to 115 con: 11010100 → 1/15

N -(43), → 1/10

Sign: 10101011 → 1/15