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Cherosim Delia
        Subject 1- corerations
      1/8, = 1006257(8)
ED.
     y(8,) = 32651(8)
          100625760-
                                     8+2=10-6-5
                                     8-13-5
        =) X(6,) = 753416(8)
        P(8,)=8FD5BO(16)
dil)
      /(62) = 5 (16)
        8FD5BO116, 1 5(16, = 23F56C(16)
     F16): 5(16) = 15(10): 5(10) = 3, 83
     30(16) = 3.16 + 13.16 = 58 + 13 = 6/(10)
     6/1: 510 = 15110 = F(10) , 81
     15(16) = 1.16' +5.16°=16+5-2/10)
     2/10 / 5/10 = 5, 31
    113(16) - 1.16 + 11.16 - 16+11-27(10)
     2/(10): 5110) = 6, 33
    30(16) = 3.16 + 0-16 = 58 cm
     58101 · 5(10) - 12(10) - C(16)
W S
      => 2(6) = 23F56 C(16)
```

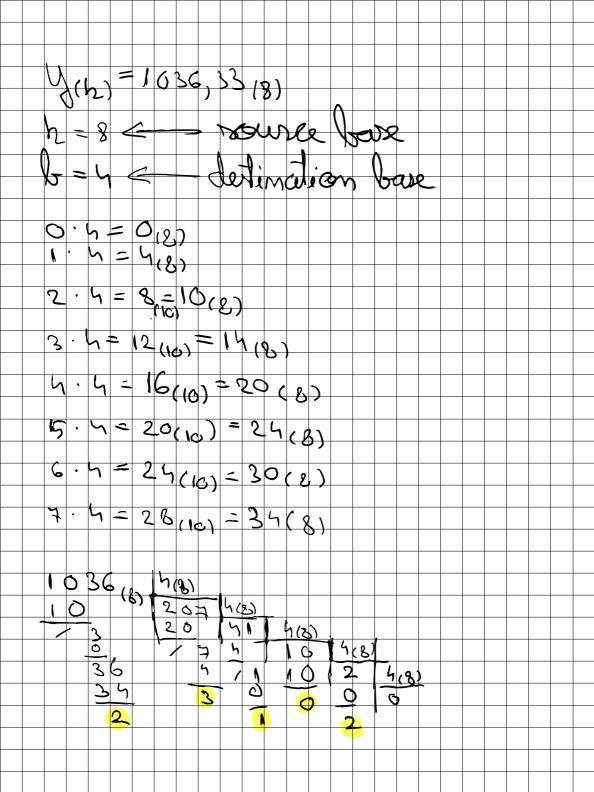
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Subject 2 - conversions
                                              Cherarian Defia
Source base 6= 5
Destination base h=8
 X(8) = 20132, 123(5)
20132, 123(4) = 28; 418, +0; 418, +18; 418, +3; 418, +2; 418)
            + 1; 6(8) + 2; 6(8) + 3; 5(8)
  5/8) ×
5/8)
20(8)
              5.6=16 1618=2
                                           => 4_{(8)}^{2} = 20_{(8)}
                 164.8-0
20<sub>(8)</sub> × 0.4=0

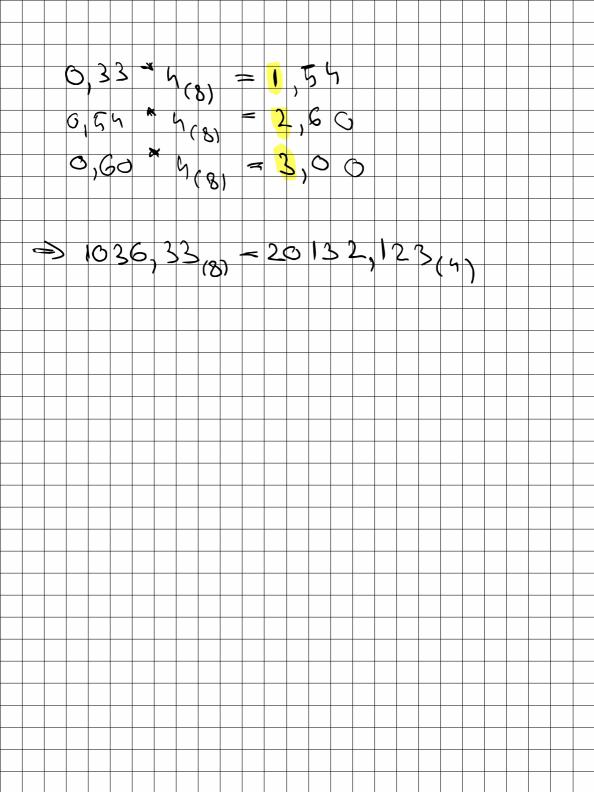
4(8)

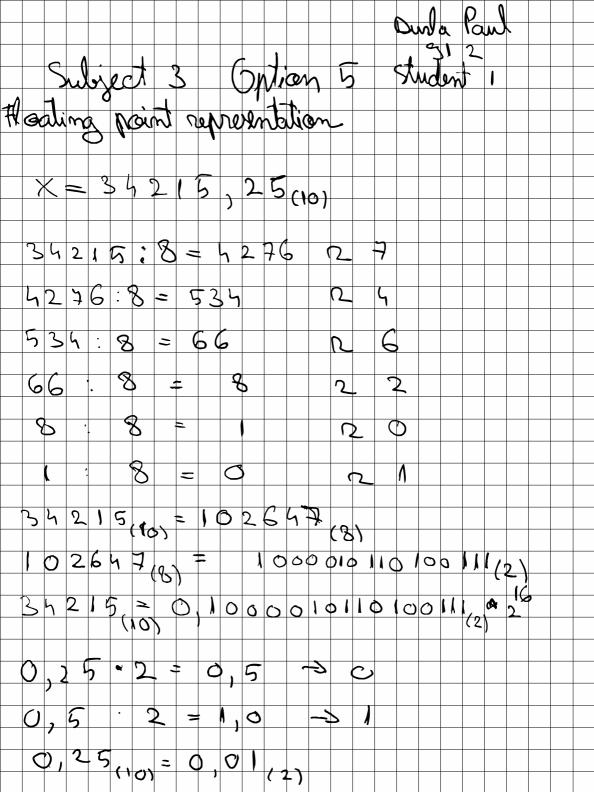
100<sub>(8)</sub> 2.4=8
                                          =) 53 = 100(8)
                          8/8=1
                          84.8=0
   100 (8) x
               0.5=0
 500(8)
                                           =) \zeta_{(8)}^{5} = 500_{(8)}
               5.1=5
                0.5-0
   400(8) x
 2(8)
               5.2-8 818=1
                             81.8=0
  1(8) × 5(8) = (10; 5(8) = 0, 25(8)
  2(8) * 5(8) = 2,: 298, = 0, 1(8)
 3(8) × 5(8) = 3(8): 100(8) = 0,03(8)
 20132, 123(4) = 1000(8) + 20(8) + 15(8) + 2(8) + 0,25(8) + 0,1(8) + 0,03(8)
               = 1036, 33(8)
 => /h, = 1036, 33(8)
```

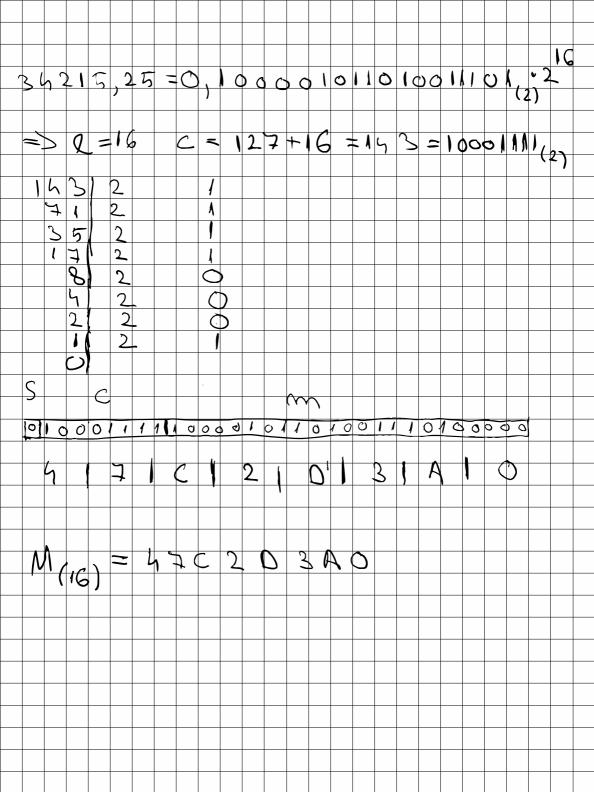
Subject 2 - Conversions Theory: We are wing the successive bottem enotionistim bus enotions · the integer part is divided by h (destination box) délaining a gustient and a remainder · The gudient is divided by hadrining a new qualient and a new nemandon · the noces of successing dinaxons ends when o is dreumed as a of delimines them, are the digits of the new representation in load h

The tradional part is multiplied by h Ordering a number with an intiger oux continue with the muliplication of this new fractional part The proces of the successor muliplecations continues until one of the following conditions is ratified a) the tradienal part becomes o the tractional part were calculated C) periodicity 12 Godained The integer parts, in the order of attaining them, are the dixits of the hadional had in the defination representation









Chesasim Dolla Subject 3 - option 5 Floating-point sepsementation M(16) = 57020340 using rapid conversions => M(10) = 0100 0111 1100 0010 1101 0011 1010 0000 Single Precision: n=32 6its c represented on 8 6.75 m sessesented on 23 lists S C m 0 10001111 10000101101001110100000 C=10001111(2)=1.2+1.2+1.2+1.23+1.2=1+2+6+8+128 => C=153 e= c-g= e=163-127= e=16 X=0,10000101101001110100000 + 2 = - 0,1000010110100111010000 ×216 = 1000010110100111,010(2) = 2 +2 +2 +2 +2 +2 +2 +2 +2 +2 +2 -2 = = 32768+1025 +256+128+32+76+2+1+0,25 = 34227, 25 = 34215, 25 => X = 34215, 25