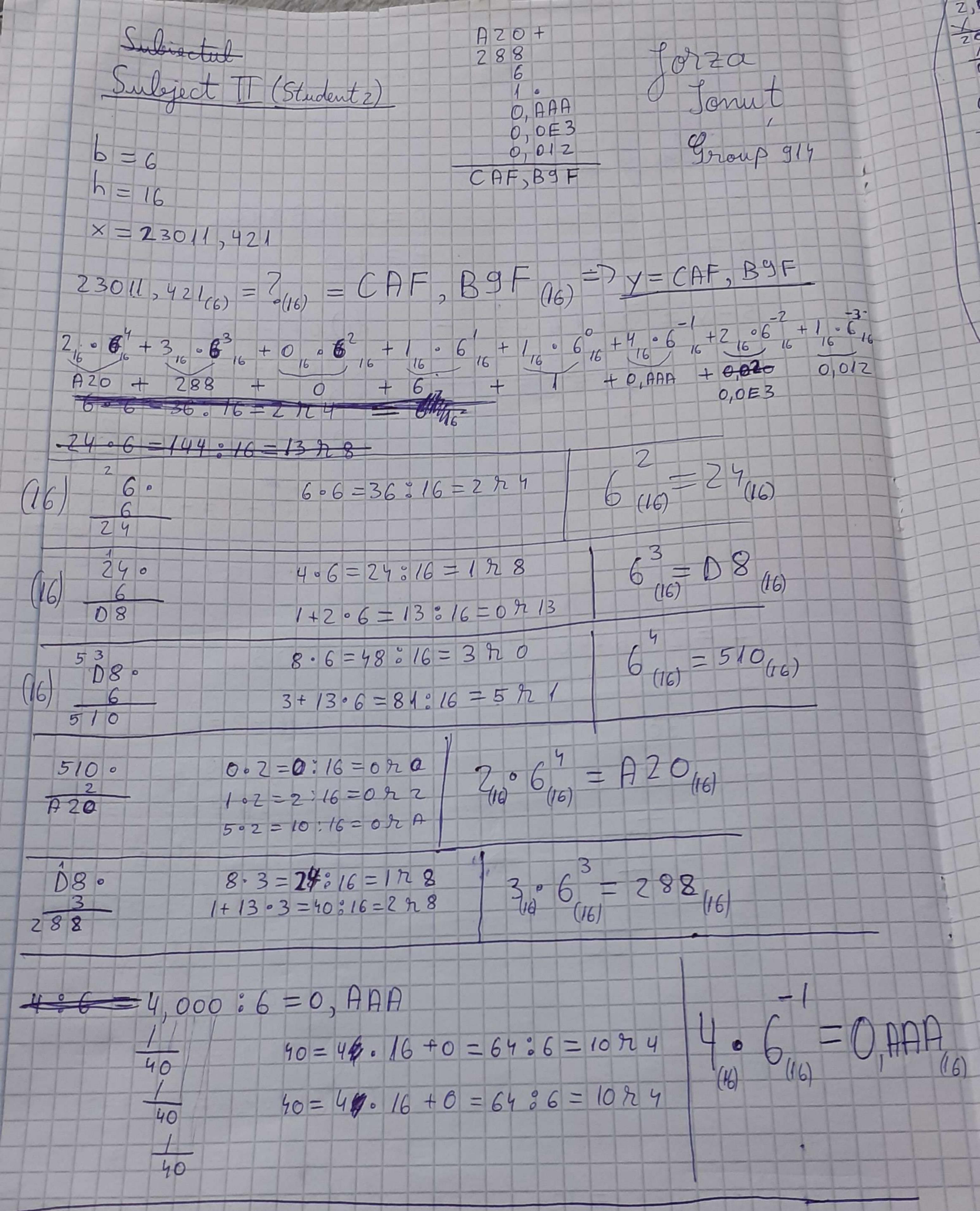
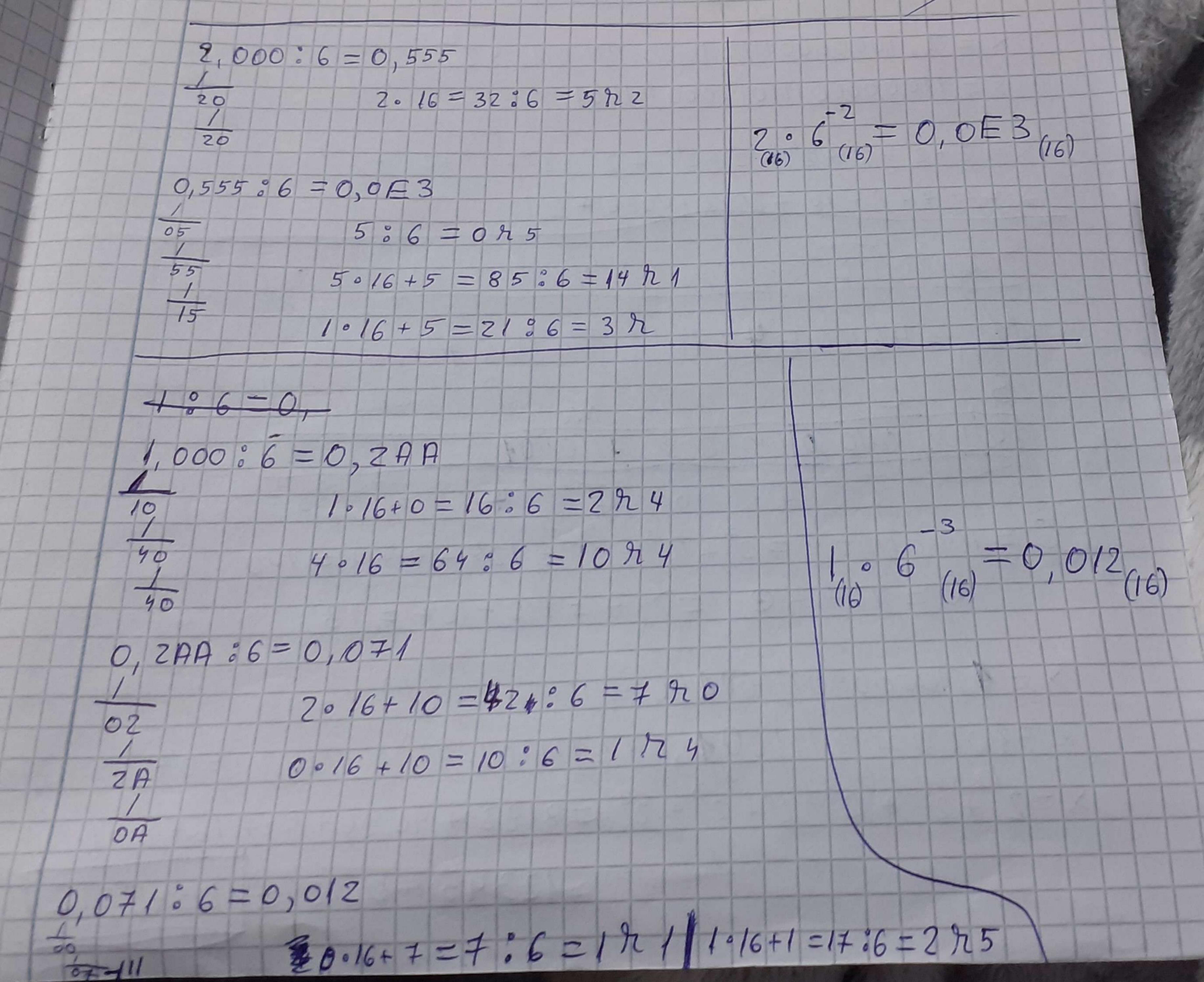
lean Home work Subject I P=2ACB34(16) 5=211647(8) Y = 22417(8) it1)0+7-7=0 it2) 0+4-1=3 it3) 0+6-4=2 ity) 0+1-2=-140 3) it5)-1+1-2=-2207-2+8=6it 6) -1+2= P: F = ZACB34C(16): 400) = OABZCD3(16) it1)0.16+2=2 2:4=0922 itz) 2016+A=32+10=42 42:4=10922 it 3) 7 · 16 + C = 32 + 12 = 44 4404=11920 it4)0.16+B=11 11: 4 = 2 /2 3 its) 3 0 16 + 3 = 48 + 3 = 51 51:4=12 23 it 6) 3° 16 + 4 = 48 + 4 = 52 it 7)0016+C=12 52:4=1370 12:4=3





soption 4 (Student = 4640 E # 7 A (16) Floating pl point repr. 00000 4110 0000 0111 C=10001100(2) = 2+2+2+2 = 128+8+4=140 C = 127+e =) e = 140-127 = 13 x = 0, 10000000111000000111101 (2) ° 2 (3)000 111 101 = 075 (8) = 0,12 (10) x = 1100000001110000,000111101 X=213+212+25+24+23+20=8192+4096+52+16+8+1 12345 +0.12 - 12345, 12

Subject [(x = 16 2230(8)) (ig = 22917(8)) x + y = 162230(8) + 22917(8) s = 211647

H: $978_1 + 78_1 = 0+7 = 7$ $112 \cdot 8 + 80_1 + 160_2 = 3 + 1 = 6$ $112 \cdot 8 + 80_1 + 160_2 = 3 + 1 = 6$ $113 \cdot 8 + 20_1 + 160_2 = 2 + 16 = 6$ $113 \cdot 8 + 20_1 + 160_2 = 6 = 6$ $113 \cdot 8 + 20_1 + 16 = 6$ $113 \cdot 8 + 20_1 + 16 = 6$ $113 \cdot 8 + 20_1 + 16 = 6$ $113 \cdot 8 + 20_1 + 16 = 6$ $113 \cdot 8 + 20_1 + 16 = 16$ $113 \cdot 8 + 20_1 + 20_1 + 16 = 16$ $113 \cdot 8 + 20_1$

R=ABICD3(16) H= 9(6), 3300 E- L= ABICD3(6) P= 2 ABICD3(6) P= 2 ABICD3(6)

0, 19F.6=4,5BA

0,5 BA · 6 = 2)25C

0,250-6=0,526

0, 89 = 0, 420(6) (2)

H1: C16=12

59:16=3
$$N=11=15$$
 16

143: $3+R_{16}$ $6_{16}=3+66=69$
 $69:16=4$ $N=5$
 $69:16=4$ $N=5$
 $69:16=3$ $N=C$
 $60:16=3$ $N=C$
 $60:16=3$ $N=C$
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$$\begin{array}{c}
110 \\
31:1626 \\
\hline
0,250 \\
\hline
111:0 t C_{16} \cdot 6_{16} = 12.6 = 12.$$

Theory part. (16>6)

Since the some rounce Base is greater than the destination base, we use the method of successive dischards multiplication.

Colculations are performed in the rounce base, for the integer part the method of successive discharge by the destination base (here 6) is applied. For successive discharge apply successive multiplication, once by an by the destination base (6).

-> enviores and the second X= 12345 = 8,192 + 4096 + 37 + 16 +8 + 1 = 23 + 212 + 25 + 21 + 23 + 2= = 1100000011100(2) X 2 11 0 0 0 0 0 0 0 111 0 0 0 0 111 101 0 11 = 1,10000001110b1,000111 101011 not replacated C= e+q = 13+12 = 150 = 0,12 + 8= 0,96. 0,96-8= 1,68 = 2+23+2+2 0,68.8 = 5,44 = 100010Ha 0,44.8 = 3,52 0,172 01536, = 000 111 101011(2) 0 1000 100 1000 000 11100 1000 11100 Subject III, option , James Alas-Harton,

= 4500E8 FG(16) 4640E87A(16) Group 914 Theory part for subject !!! : Group 3th Johns West Huston

For flooding point representation the memory location is the following:

Sc-e+a m, where c=exponent + bear

2 constant

e-exponent from the binary represention with

e-exponent from the binary represention with

matterna and exponent

here it is smaller than 1

Out it can be 12 m 22

With single precision we have = m=32 bits, c on 8 but, m on 23 buts, q=122

Einstly we convert our number into bound binary, but initially only the inless part. Then we write the number with exponent and a mass 12 mouthons 22. The 1 is a hidden lite, not represented internally. This integer part put into the mountains part in the mountage that successive & multiplication we obtain the brackward part and we fill the sending empty both with them from left left to right until we reach the last but on the marking empty both with them from left left to right until we reach the last but on the marking part.

Then we calculate a , how its belongly septementation is put in it position (on the elits) dartly we also modify the right bit if needed corresponding to our number dartly we also modify the right bit if needed corresponding to our number.

(here it is zero wince we have a positive number).