```
22- Exercicio propostos:
b) E = 100000011=27+2420=131 E = 131-107=4=00000100,
 e)-1,011x04=-10110=-(24+2+21)=-22,010
          31,25 = 11111,012 = 1,1111012 x 2" EVE = 4
 a) Timal: 0
E = E - 127 01 E = 4+ 127 = 131 = 1000011
= 41 FADOODH
 b) Limal: 1 0,625 = 0,101 = 1,01 x 2 = +1
E real = E - 107 ENE = -1+127 = 126 = 011111100
= BF200000 H
 e) 00000000H
 Enone = E - 127 0 E = 10+127 - 137 = 100010012
=44805000m
```

10 a) timal: - E= 1-3=-2 -1,1101x2-2=-0,0111012= b) Limal: + E= 5-3 = 2 1,1001x 2= 110,01= = 22+21+2-2=6,2510 -2 = E-3 en E = 1 = 001, 3 = 0.001,1000. 11) a) Limal A: 0 33 = 100001 = 1,00001 x 25 E100 = 5 Ereal = E - 127 = E = 5+127 = 132 = 10000100. A = ,0,1000010'0,000'0100'00000'0000'0000'; = 42040000H Limal B: 1 2,875=10,111,=1,0111,x2 Erect=1 b) i) simais differentes - sultrages IA) > 1B) - valor find & positivo. E = 127+5 = 132 = 10000100; compoente roal de moior mi. martina de A = 1,00001 martina de B=0,00010111 1,00001000 -0,00010111 R=0,11110001x25=1,1110001x2" 0,11110001 F = 10000100 - 1 = 100000112 P A+B=41F10000H

ii) B-A = B+(-A)-simais iguais-soma sus Rind & negativo. E= 127+5=130=10000100=16xpoente real do maior n=) mountaine de A: 1,00001 mantina de B: 0,00010111 1,00001000 R=1,00011111,x25 1,00010111 B-A= C20 F8000H iii) 3 x B - reimain diberents - menultado regativo B=1,0111x2 310=112=1,1x2 E3=1+127=128=10000000=EB Egxo = 127+ (Egd+Egol) = 127+1+1=129=100000012 R=1000101=1,000101x21 Eaxs = 100000001+1=10000010 3 x B = C 10 A 0000 H e) A+B=1,1110001x29=11110,001=30,12510V A+B = 33-2875=30,125 V B-A=1,000111111x25=100011,111=35,875 V B-A = -2,875-38 = -35,875 V 3xB=+1,000101x23=-1000,101=-8,625 V 3xB=3x(-2,875) = -8,625 V 12) a) - Vo = 400000000 VIIVa -> simais diferentes + metrasso (VI) Vol-> resultado tem sonal de VI

10000400=132 End = 132-127=5 V1=1,0011101x2° V2 =- 1,0 x 21 10000000=128 = 100=108-107=1 E = 127+5=132=10000100 = Expreente de maior namero mantina de V1 = 1,0011101 mantina de V2 = 0,00010 R=1,0010101 V1+V2=42150000# e) V2-V4 = V2+(-V4) -> simais iquais -> soma Resultado negoticos E = 127+5=132=10000100 telepoente do maior numero mantina de VI = 1,0011101 martina de V2 = 0,00010 R=1,0100101 Vo-V1= C2250000H d) VIX Va -> sirais differentes -> resultade negativo E = 127+(E)+E)=127+5+1=133=100091012 R=10,0111010=1,00111010x21 E = 10000101+1=10000110 00111010 V1x Vo = C31 D00000H b) X+Y-remain iques - noma resultade positivo Ex = 011111102 = 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 126 Ex = 126 - 127 = -1 Exy=100000010 de expende de maior numera

mantina de X: 1,01x2= =0,000101x23 mantensa de Y: 1,011101x23 R=1,100010x25 X+Y = 414400000 H 14) a) Limal: 1 10, 25, = 1010, 01, = 1,01001 x 23 E = 3 E = 3+127 = 130 = 10000010, b) A - B = A + (-B) -> simais iguais -> soma -> rusultado bind positivo. $A = 1,1\times2^{1} = E^{100} = 128 - 127 = 1$ $B = 1,01001\times2^{3}$ $E^{100} = 128 - 127 = 1$ 1,01001 R= 1,10101 x 23 E=10000010 A-B=+1,10101 x 23=+1101,012=23+22+29+0-2=13,2510 - S=C1400000H 5=1,1x 23-0,11x24 Es=130-127=3 Ex=131-127=4 T=1011x24 5+7 -> simais iquas -> soma -> resulta de negativo. R= 10,001x2 = 1,0001x25 E=127+5=132=10000100 5+T = C 2080000 H 16 appear A)