

Step3 Add 16# to the 1'1 complement 1-1-1-1-1-1-0-10 1.1.1.1.1.2.1.1.2.1.1.1 (Reverd) 1, 1011 1011 c 2 Substant | Let : | | 1 | 1 | 10 | 1 8421 0101 13 flip bit : 1111 1010 0000 0101 5.125 -> IEEE 754 tornet (Ginary representation) Red Number used for Hosping point continuetic representation - For Lotts stude presiden (12 Lat) & drubble presiden (19 bits) Convert Porteger port to benomy Step): 8421 1 01 5,0 = 612 Convert factional part to blurry 5.625 -> 0.625 0.625 to binery, repeatedly multiply to 2 & note The integrapost

```
- 1-25 - (1)
                      0.625 × 2
                                                               - 0
                                  = 0.5 - 0
                      0.25 X 2
                                  0.5 1 2
                                       Hop him
                       0 7 2
                                    = 0
                  5.101 C - 362 B.101
                       entegu & fractional part
           Combine both
                     5 . 625 10 = 101.1012
                     binary number in selente notation - 1. 1977 >21
        Normal 7e
                      101-101 -- 1.0110/ × 22
                     move toward forestion of keep any I dignt before point
                    The exponent will be 2 cause we moved a bit
                represent in 1EEE-759 formet (Single precision)
Step 5 : Now
 floor t = (floor) 5.675 3 Llap
  double d = 5.627 64 Lit
                           Sign. enponent. martiss s
                                                         bico of 1 EE 759
                                                         Siviste precusion : 127
           -> sign bit : 0
           -> euponent = 2+12) = 129 (10000001) double gravin : 1023
            -) Mantius - The forchand part toomstap9
                                                      128 64 32 16 8 421
                                          chony pedded
                                                       10000001
                      1-6 0110100000-00
                                         20 65
                                   23
   5.625
                                                           Mantsus
      32 Si+
                                                          32 (Single prec) : L7
                                   fredin
                  exponent
      Styn
                                        a 3
                                                          69 (double)
                                   6/10/0000000----
                 1.6000001
      0
                                          18
```

(3) Intropot 2's complement

. & the to bit (Is tomptoment)

12, add ents bit

(012) = -& Pot System 128 64 32 6 3 4 21 Step !! 0 0 1 OD O 1 1 0 0 Step2. 111 mell -ve Sep3 . 2/1 Compliment 10111100000111 11 1's complement [tap bits] 0000 1100 (2) ALL 1 bit B 0000 1100 0000

8421 (- 13)