```
mdHW-Chapter3
   2023年4月1日 星期六
 3.7 3.20 3.26 3.27 3.32
                      (185)_{10} = (10111001)_2
3.7
     2/185
                           = 010111001
     2/92
                                 (122)_2 = (1111010)_2
                   2/122
                                   =00111010
                   2/30
                                                    10111001
                                                                122
                                                   10111000
   185+122= 010111001
                                                   11100010
             +001111010
                                                    64 421
                               neither
               100111011
                                                       1+2+16+32
      a 2's complement integer
3.20
      0 x 0 c 0 0 0 0 0 0 0
    符论新数 0000 1100 0 0 0 0000
                  .. 是 2^{27}+2^{26}=134217728+67108864
                              = 201326592
     unsigned integer 一择子
3.26
                    010 ......
        00111111100
          exponent
                                                 no hidden I is used
                                                0.101 X 2-2
                        0.00 | 0.0 |
   0.15625 七进制
                       = 1.01 \times 2^{-3} \times
                     Exponent: -3+2"-1=2044
  0.31250
 × 2
0.250
                      2 511 1
2 255 1
                      2[12] 1
 X 2
0.50
  range: -2'' + 1 \le e \le 2''
            0 \le e + 2047 \le 4095
 accuracy: 小数点后24位
     sign exp fraction
               -24+1 <e < 24
 -3+15=12
                  0 ≤e+15 ≤3|
    1100
3.32 3.984375 \times 10^{-1} + 3.4375 \times 10^{-1}
       (0.3984375)_{10} = (0.0110011)_2 = 1.10011 \times 2^{-2}
       (0.34375)_{10} = (0.01011)_2 = 1.011 \times 2^{-2}
        1.10011
                                1.771×103
      +1.0[100
                                = 1771
      10. | | | | X Z -2
                                = ||0|||0|0||0\times2^{7}
  Normal: 1.011111 x 2
     = ||0|||0|0||.0|||1 \times 2^{7}
     10+15=25 11001
   八数部分留10位:guard 1 V
                     Sticky 1
      = 1.1011101100 \times 2^{10}
 : answer: 0 | 100 | 01 | 10 | 100
    11011101100 = 1772
```