```
8 exponent 2 10 = 10 -38 ~38
   34.75
                            3 stl 2 = 3/4 = 0.75
   100010.11
   32 16 8 4 2 1 1/2 1/4 0.15 0.0625
= 1.0001011 * 25
 3,475 * 10 doesn't work
 34.75 > binary > binary scientific > floating point
         1 0000.11
V francier
                                                   loat 8+ 23
         1. 0001011 * 25 5+124 = 132
                                                   double 11+5a
      0 1 0 0 0 0 0 1 0 0 0 1 0 1
                                                      0000
                                                      2147483647 = 0x799-1999
#include <stdio.h>
                                                      round to possible expression
int main()
          float f = 34.75;
          printf("%.2f\n", f);
                                           cast to int 34
          \underline{int} i1 = (\underline{int}) f;
          int i2 = * (ant*) &f;
printf("0x $08x\n", i2);
                                                0×42060000
          return 0;
```

$$\frac{1}{7} = 0.\overline{142859} = \frac{142857}{10^6 - 1}$$

$$0.|_{10} = \frac{1}{10} = \frac{1}{2} * \frac{1}{5} = \frac{1}{2} * \frac{3}{15} \Rightarrow .0 \frac{\text{only (digit)}}{0011}$$