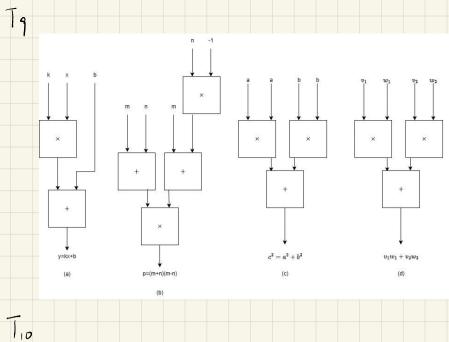
```
陈昕琪 PB 22111711
                           00110010 → 2'+2"+2"=+50
 TI.1-114 # 123 11110010
                           本号 10001110
   18 版原的 01010001
       神智 01010001
 12.1, the largest 127
   the smallest -128
  \frac{2}{-2} \sim 2^{n}
  Tz. -128
  2's complement number 10000000
          100000000
 original code
T4
 1. a-b >23-1 式 a-b <-231 a-b结果适出
 2. b=0 nt.
   1,000 000 000 000 000
Ts
 0 1000 0 11 000 0 000 0 00 10 000 0 000 1000
 構改 139-121=12
 7= (-1) X (1,000 0000 0001 0000 0001) X 2"
  = 1000 0000 000 10.00000001
  =4098,0078125
smallest number
 机器码 [111]110 111 1111 1111 1111 1111
Neg Min = (-1)' x(1,111 [111 [111 [111 [111 ]11]), x2127
1041
```

```
the smallest postive number
S=0 == 1-127=-126 M=0
机器码
0 0000 0001 000 0000 000 000 0000 0000
POS Min = (-1)° x (1.000 0000 0000 0000 0000 0000) x 2-126
Ty
PS C:\Users\2
 -834214802
 1318926965
-834214802
1318926 965
Tz
1. *a = *a ^ *b
*b = *a ^*b
 *a = *a ^ *b
   void sort(int *a, int n) {
       // sort a[0] ~ a[n - 1]
       for (int i = 0; i < n - 1; i++) {
           int min = i, flag = 0;
           for (int j = i; j < n; j++) {
              if (a[j] < a[min]) {
                  min = j;
                  flag = 1;
          if(flag) swap(a + i, a + min);
```



0 1011 0

101 000

100 10

3,

|-|