```
2-3:
    int search (int X, int i. int j)
  if (i==j) Yeturn ; ;
    int mid = \pm(i+j);
     if (a[mid) == x) Yeturn mid;
     else if (a [mid] < x) return search(x, mid+1, j);
     else if (almid)>x) return search (x. i, mid-1)',
Void main
   \begin{cases} int & i,j,t=search(X,0,n-1); \\ if (act)==x) & i=t;j=t; \end{cases}
     else if (alt) >X)
       { if (t!=0) {j=t; i=t-1}
         else {j=-(i)}
      else if (att) < x)
       { i=t;
if(t!=n-1)
          j= t+1; }
     return;
   2.9.
    int main
   int O[]={0};
int maxcount=0, maxnum=0;
for (int 1=0, 1< n, 1+1)
   { a [TCi]]++;
      if (altij) > maxcount)
       max count = altilij;
         maxnum = TLiz; }
   if (max count > 1)
   Drintf("有主元载,为...", maxnum);
   else
    printf("没在注意");
   return 0; ?
 2.10-10(nlogn)
 int fun (char at), r, t)
 if (Y=t) return O([r); int count=0, int n(z)
    int n[]= fun(atj,r, 177)
    int NE)= fun (al), 1/4t+1, t)
   for (int i=1, i<2; i++)
   for (int j=r; j\t; j+t)

if (a[j]=n[i])
           countit;
       if (count > tir)
         return n(i);
         Count = 0;
      return NULLi
 int main()
  Int majority = fun (at), 0, n-1)
      if (majority)
      Drintf (有主元素, %d", majorty)
       e(se
)) yint f("版有主流");
       return o;
    0(n) 質は
int search_most (all), n)
 5 int Count = 1
    int candidate = aco;
   for (int i=1; i<n; itt)
    { if (alti) == Candidate)
count ++;
      P/50
        count -- i
       if (count'==0)
       candidate = a[i];
      return candidate;
  int is_majority (at), n, candidate)
    int count =0;
     for ()nti=0; i<niitt)
         if (aci) = candidate)
              COUNT TT
      return 2x count/n;
  int main
          Candidate = search_most(ac), n);
       if (is - majority (al), n, can didate))
           Drintf("有主元影-%d", candidate);
        else
          Dring ("无主流红");
         return 0;
```