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(2) 
$$i = (k+1)/3 + 1$$
,  $(0 \le k \le 3n-1)$   
 $j = k+3-2i = k+1-2[(k+1)/3]$ 

5.8 神: i-j=o时. 若的数, j物数,则k=2(i-1)+1-1=2i-1-1 若 i 为偶数, j为偶数,则k=2(i-1)+2-1=2i-0-1 i-j=181.

若讷偶数, j稍数, 则k=2(i-1)+1-1=2i-1-1

若的教,所数,则k=2(i-1) +2-1=2i-0-1

```
第四次作业王小龙 2020211502
   int Algo-HSqList L, int len)
   1/术最大值
   int Max (Sq List & L, int k)
      if (k<L. Length-1)
            if (L. elem [k] < Max(L,k+1))
                 return Max (L, k+1);
            else
                 return L. elem [k];
       else return L. elem[k];
    //球最小值
int Min (Sq List & L, int k)
       if (k<L.length-1)
if (L.elem[k]>Min(L,k+1))
if (L.elem[k]>Min(L,k+1))
return Min(L,k+1);
             else
                 return L. elem [k];
        else
             return L. elem[k];
```

```
//求和
 int Sum (SqList &L, int k)
     if (k = = 0)
return L. elem [0];
           return L.elem [k] + Sum(a, k-1);
  11求积
  int Product (Sq List & L, int k)
           return L.elem[0];
            return L. elem [k] *Sum(a,k-1);
   // 成平均值
double Avg (Sq List & L, int k)
       if (k = =0)
return L.elem[0];
             return (Avg(a, k-1)*k+L.elem[k])/(k+1);
```

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```
void Rotate (Array ID &a, int n, int k)
     ElemType *P=a, temp;
      int iji
      if (o! = k%n){
         for (i=1; i<=k; 0++i){
           temp=a[n+];
           for (j=n-2;j>=0;--j){
              a [j+1] =a[j];
            a [o] = temp;
5.2
解:
/* 函数厚型 */
Status Algo (TSMatrix A, TSMatrix B, TSMatrix *C);
int main (int argc, char * argu[])
 TSMatrix A, B, C;
  FILE * fp;
  prints-
  'tp = fopen ("Data/Algo, txt", "");
  Creat SMatrix - T(fp, 2, &A, &B);
  tclose (fp);
  printf ("A = \n");
  Print SMatrix - T(A);
   printf ("B=\n");
   Print S Matrix - T(B);
   printf ("(n");
```

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```
Algo (A, B, &C);
                                                   第四次作业
       printf("C = A+B = \n");
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      Print & SMatrix - T(c);
                                                   2020211502
      print f ("\n");
                                                     5/7
       return 0;
 /1三元矩阵加洁
 Status Algo (TSMatrix A, TSMatrix B, TSMatrix *C)
    if (Add SMatri-T(A,B,C))
return OK;
      else
          return ERROR;
5.26
    void OutCS/M (Cross List M, void (* Out3) (int, int, int))
     //用函数Out3, 依次则从三元组格式输出十字链表标的矩阵
      int i=1, row, col, e;
      O Link P, 9;
      tor (i=1; i<= M. mu; ++i){
           p=M. rhead[i];
            while (P)f
                Out3(P->i, P->j, P->e);
                 p = p->right;
```

```
解: 数厚型*/
                                                        第四次作业
 void Algo (GList *L);
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                                                          2020211502
 int main (int argc, char * arg v[])
  char *5= "(a, ((b,c), ()), (((d), e), f))")
   Sstring Si
   5 +7 Assign - Sq (5, s);
   Create GList-GL-H-T-1(&L,S);
   printf ("L=");
   Out put - GL - H-T (L, Head);
   printf ("\n\n");
    Algorite
    Algo (&L);
     print f ("L=");
    Output-GL-H-T(L, Head);
    print f (" |n | n");
   void Algo (GList *L)
     GList head, tail;
       tail = (*L) -> Union, ptr, tp;
       if (head > Union. ptr. hp && head > Union.ptr. hp > tag = = List)
          Algo (&(head > Union, ptr.hp));
       if (tail)
```

## Algora

Algo(&((\*L) \rightarrow Union. ptr.tp)); \*L = (\*L) \rightarrow Union. ptr.tp; tail \rightarrow Union. ptr.tp; tail \rightarrow Union. ptr. tp = head; head \rightarrow Union. ptr. tp = NULL; 至少年2020年211502