```
第二次作业、王小龙、2020211502
3.4
解:(1)样中的数据元素矩置
    (2)如果栈中存在元素已,将其从栈中清楚
 3.13
       跌功能为队列逆置.
 梅;
  南部:114132
      12/42/3
      (3) 423
     かかせいところが
void Inistack_TWS_3_15(TWStack*5)
      (*5), t[Left] =-1;
      (*5). t [Right] = N;
   Status Push_TWS-3-15(TWStack *S, Stack Name name, SElem Type *x)
      if ((*S). t[Left]+ 1 = (*S). t[Right])
        return error ERROR;
      switch (name)
       case Left;
           (*s). t[name]++;
           break;
       case Right:
          (*s). t[name]--;
break;
```

```
第二次作业
   (*S), s[(*S), t[name]] = x;
                                                  王小龙
                                                  2020211502
   return OK;
Status Pop_TWS_3_15(TWStack*S, StackName name, SE Lem Type*x)
 switch (name)
   case Lefti
       if ((*s), t [name]==-1)
          return ERROR;
       *x = (*s). s[(*s). t[name]];
        (*5): t [name] -- ;
        break;
    case Righti
        if ((*s). t[name] == N)
          return ERROR;
        *x = (*5). s[(*s). t[*a name]];
        (*5). t[name]++;
        break;
```

```
Status Init Queue @USO (Link Queue *Q) //队列为大发的七
3.28
       (*Q). rear = (QueuePtr) malloc (size of (Q Node));
                                                                     王小龙
       if (! (*Q). rear)
                                                                 第二次1年业
          exit (OVERFLOW);
       (*Q), rear > Dunext = (*Q), rear;
       return Ok;
     Status En Queue (Link Queue *Q, Q ELem Type e)
                                                               1/1 1/
      Queue Ptr p;
      p = (Queue Ptr) malloc(size of (Q Node));
       if(!p)
         exit (OVERFLOW);
        P -> data = e;
        P-) next = (*Q), rear -> next;
       (*Q). rear -> next = p;
       (XQ). rear = p;
         return OK;
        Status Pe Queue (Link Queue *Q, QElem Type *e) 1/4/1/2
        Queue Ptr h.p;
        h = (*Q), rear -> next;
        if (h-) next == (*Q). rear -) next)
           return ERROR;
        P = h -> next;
        * e = P -> data;
                                            > tree (P);
        h \rightarrow next = P \rightarrow next;

if(P = = (*Q), rear)

(*Q), rear = hi
                                                 return OK;
```

```
3.29
     Status EnQueue (Sq Queue *Q, Q Elem Type e)
新
    Status En Queue (CTag Queue & Q, Q E Lem Type x)
                                                               王小龙
       if (a, tag) {
                                                               2020211502
             return ERROR;
                                                              第二次作业
                                                                 $ 4/5
       Q. elem [Q. rear] = x;
       if (Q. rear = = MAXQSIZE-1){
           Q.7ea7 = 0;
        elsef
            ++Q. rear;
        if (Q. rear = = Q. front) {
           Q. tag=1;
        return OK;
      Status De CQueue (CTagQueue & Q, QElemType &x)
         if (Q.front = = Q.rea1&& 0 = = Q.tag){
          return ERROR;
            x=Q.elem[Q.front];
            if (Q.front! = MAXQSIZE =-1){
                ++Q.front;
             else {
Q. front = 0;
              1; f(Q. front = = Q. rear) {
Q. tag = 0;
```

return OK;

王小龙20211502 第二次作业5/5