

3.3 stack

3.4 功能:(1)将栈 S 内元素倒置

(2)将栈中值为 e 的元素删掉, 其他元素的顺序不变

3.12 char

3.13 将队列内元素倒置

3.15

```

1 //阮炜霖 作业3.19 |
2 #include<bits/stdc++.h>
3 #define inf 0x3f3f3f3f
4 //define int long long
5 using namespace std;
6 const int maxn=2e5+7;
7 const int mod=1e9+7;
8
9 //int read(){ int x=0,f=1;char ch=getchar();while(ch<'0' || ch>'9'){if(c
10
11
12 signed main(){
13 // ios::sync_with_stdio(0);
14 // cin.tie(0);cout.tie(0);
15 string str;
16 cin>>str;
17 stack<char>stk;
18 for(int i=0;i<str.length();i++){
19     if(stk.empty()) stk.push(str[i]);
20     else{
21         if(str[i]=='&&stk.top()=='(') stk.pop();
22         else if(str[i]=='&&stk.top()=='[') stk.pop();
23         else if(str[i]=='&&stk.top()=='{') stk.pop();
24         else stk.push(str[i]);
25     }
26 }
27 if(stk.empty()) cout<<"配对正确\n";
28 else cout<<"配对错误\n";
29 return 0;
30 }
31

```

3.28

```

1  class node {
2      public:
3          node(int x):data(x) {
4              nxt=NULL;
5          }
6          friend class Que;
7      private:
8          int data;
9          node *lst,nxt;
10 };
11
12 class Que {
13     public:
14         inline Que() {
15             tail=new node(0);
16             tail->nxt=tail;
17             tail->lst=tail;
18         }
19         inline ~Que() {
20             node*p=tail;
21             while(p!=tail) {
22                 node*q=p;
23                 delete q;
24                 p->nxt;
25             }
26             return;
27         }
28         inline void push(int data) {
29             sz++;
30             node*p=new node(data);
31             node*q=tail->nxt;
32             tail->nxt=p;
33             p->lst=tail;
34             p->nxt=q;
35             q->lst=p;
36             return;
37         }
38         inline void pop() {
39             if(!sz) return;
40             sz--;
41             node*p=tail->lst;
42             *q=tail->nxt;
43             delete tail;
44             p->nxt=q;
45             q->lst=p;
46             tail=p;
47             return;
48         }
49     private:
50         node*tail;
51         static int sz;
52 };

```