第三次实验题4、5、6

#include<stdio.h>

#include<stdlib.h>

#define size 100

char kuohao[size];

int kuohao\_top;

void push\_size(char m){ //压入函数 push\_size

kuohao[kuohao\_top]=m;

kuohao\_top++;

}

char pop\_size(){ //弹出函数 pop\_size

kuohao\_top--;

return kuohao[kuohao\_top]; //运算符栈

}

int main(){

char ch,op;

kuohao\_top=0;

push\_size('#');

printf("please input");

ch=getchar();

while(ch!='#'){

switch(ch){

case'(':push\_size(ch);

ch=getchar();

break;

case'[':push\_size(ch);

ch=getchar();

break;

case'{':push\_size(ch);

ch=getchar();

break;

case')':op=pop\_size();

if(op='(')

ch=getchar();

else{

printf("no");

return(0); //结束

}

break;

case']':op=pop\_size();

if(op='[')

ch=getchar();

else{

printf("no");

return(0); //结束

}

break;

case'}':op=pop\_size();

if(op='{')

ch=getchar();

else{

printf("no");

return(0); //结束

}

break;

default:ch=getchar();

}

ch=getchar();

}

while(kuohao[kuohao\_top-1]!='#'){

printf("no");

return(0);

}

printf("yes");

return(0);

}

#include<stdio.h>

#include<stdlib.h>

#define size 100

char kuohao[size];

int kuohao\_top;

void push\_size(char m){ //压入函数 push\_size

kuohao[kuohao\_top]=m;

kuohao\_top++;

}

char pop\_size(){ //弹出函数 pop\_size

kuohao\_top--;

return kuohao[kuohao\_top]; //运算符栈

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int main(){

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if(op='(')

ch=getchar();

else{

printf("no");

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}

break;

case']':op=pop\_size();

if(op='[')

ch=getchar();

else{

printf("no");

return(0); //结束

}

break;

case'}':op=pop\_size();

if(op='{')

ch=getchar();

else{

printf("no");

return(0); //结束

}

break;

default:ch=getchar();

}

ch=getchar();

}

while(kuohao[kuohao\_top-1]!='#'){

printf("no");

return(0);

}

printf("yes");

return(0);

}