class Solution {

public:

bool isValid(string s) {

int n=s.size();

stack<char>s1;

for(int i=0;i<n;i++){

if(s[i]=='('||s[i]=='{'||s[i]=='['){

// cout<<s[i]<<'\n';

s1.push(s[i]);

}

else{

// cout<<s[i]<<'\n';

if(!s1.empty()){

if(s1.top()=='('&&s[i]!=')')return false;

if(s1.top()=='{'&&s[i]!='}')return false;

if(s1.top()=='['&&s[i]!=']')return false;

s1.pop();

}

else return false;

}

}

if(s1.empty()) return true;

return false;

}

};