Q-Duplicate\_Bracket

public class Main {

public static void main(String[] args) throws Exception {

Scanner sc=new Scanner(System.in);

String input =sc.nextLine();

Stack<Character> st=new Stack<>();

for(int i=0;i<input.length();i++)

{

if(input.charAt(i)==')')

{

if(st.peek()=='(')

{

System.out.println("true");

return; }

else{

while(st.peek()!='(')

{ st.pop();}

st.pop(); }

} else

{ st.push(input.charAt(i));

}}

System.out.println("false");}}