Input: exp = "[()]{}{[()()]()}"

) -> clase bracket
[()] { | {[()] U}

Declare a character stack (say temp).

Now traverse the string exp.

If the current character is a starting bracket ('(' or '{' or '[') then push it to stack.

If the current character is a closing bracket (')' or '}' or ']') then pop from the stack and if the popped character is the matching starting bracket then fine.

Else brackets are Not Balanced.

After complete traversal, if some starting brackets are left in the stack then the expression is Not balanced, else Balanced.

```
public boolean balanced Symbol (String Str)?

Stack (character) Stack = new Stack();

br(int j=0; i < Str. length(); i + 1)?

Cher ch = Str. charAt(i);

ib (ch == '(')|| ch == "['|| lch == 'f')]?

Stack bush (ch);

continue;

I ctor pob = 10';

Switch (ch)?

(ase ')':

pob = stack pob();

ib (pob == '['|| pob == '[']]?

return take;

break;

Cose ']':

pob = Stack pob();

return take;

brak;

for eak;

for eak;

cose ']':

pob = Stack pob();

return take;

brak;

filerd of for

return dake;
```

```
public static boolean balanceSymbol(String str) {
          Stack<Character> stack = new Stack<>();
          for(int i=0;i<str.length();i++) {
                char ch = str.charAt(i);
                if(ch == '(' || ch == '{' || ch == '[') {
                     stack.push(ch);
                     continue;
                char popped = '0';
                switch(ch) {
                case ')':
                      popped = stack.pop();
                     if(popped == '{' || popped == '[') {
                          return false;
                     break;
                case '}':
                      popped = stack.pop();
                     if(popped == '(' || popped == '[') {
                          return false;
                     break;
                case ']':
                      popped = stack.pop();
                     if(popped == '(' || popped == '{') {
                          return false;
          return stack.isEmpty();
```

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- +AB-CB = infin