IsBalanced(str)

```
Stack stack
for char in str:
   if char in ['(', '[']:
       stack.Push(char)
   else:
      if stack.Empty(): return False
      top \( \times \text{stack.Pop()} \)
      if (top = '[' and char != ']') or
            (top = '(' and char != ')'):
            return False
return stack.Empty()
```