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1  """
2  CSE212
3  (c) BYU-Idaho
4  03-Teach - Problem 2
5
6  It is a violation of BYU-Idaho Honor Code to post or share this code with others or
7  to post it online.  Storage into a personal and private repository (e.g. private
8  GitHub repository, unshared Google Drive folder) is acceptable.
9  """
10
11  def do_something_complicated(line):
12      stack = []
13      for item in line:
14          if item == '(' or item == '[' or item == '{':
15              stack.append(item)
16          elif item == ')':
17              if len(stack) == 0 or stack.pop() != '(':
18                  return False
19          elif item == ']':
20              if len(stack) == 0 or stack.pop() != '[':
21                  return False
22          elif item == '}':
23              if len(stack) == 0 or stack.pop() != '{':
24                  return False
25      return len(stack) == 0
26
```