Multi-Parenthesis Matching Code

Algorithms & Data Structures > multi parenthesis

$a = \{7 - (3 - 2) + [8 + (99 - 11)]\}$

op → { ([→ push

closing → })] → pop

check pop's success

Yes → Keep checking

No → Not Balanced

→ Is Stack Empty?

Yes → Balanced

Not Balanced

① ([a * a − (3 + 2]) →

② ([7 − 9} − 7)

Not Balanced.

③ (7 − 11 + {23 − 8 * 2} − [33 + 1])

→ Stack is Empty

⇓

Expression → Balanced parenthesis