

Balancing Parentheses

→ Use Stack

{) ✗

{()} ✓

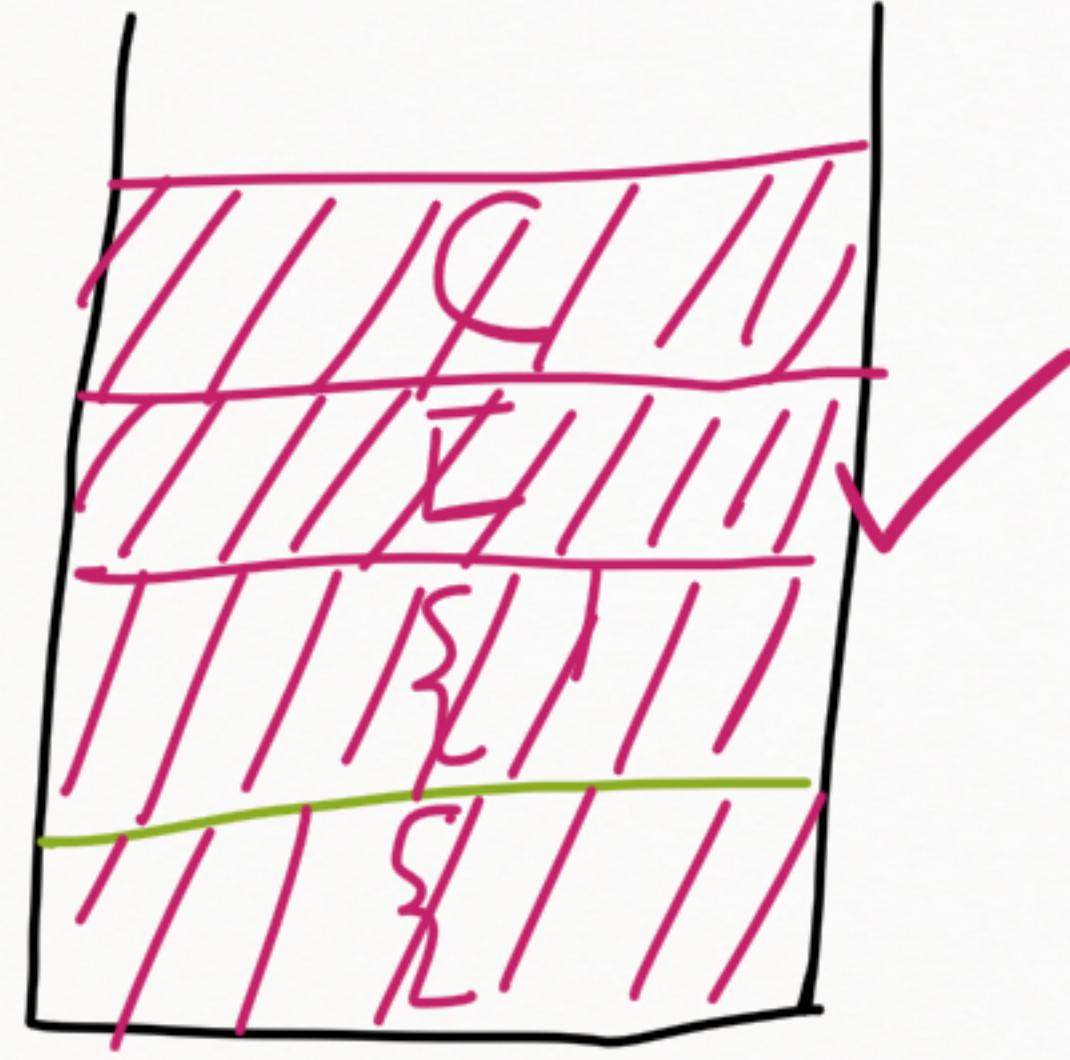
{ } () [] ✓

[({ })] ✓

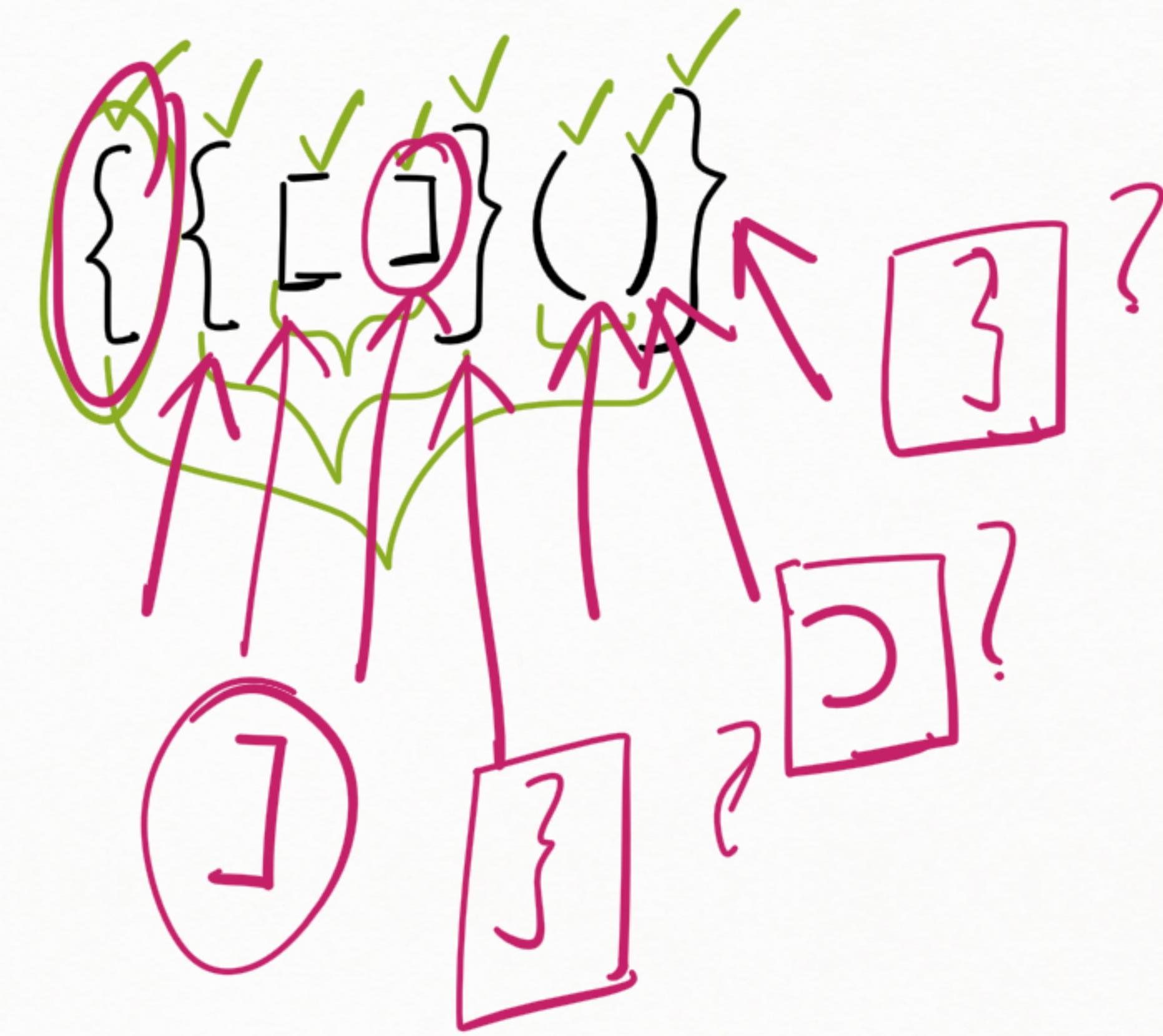
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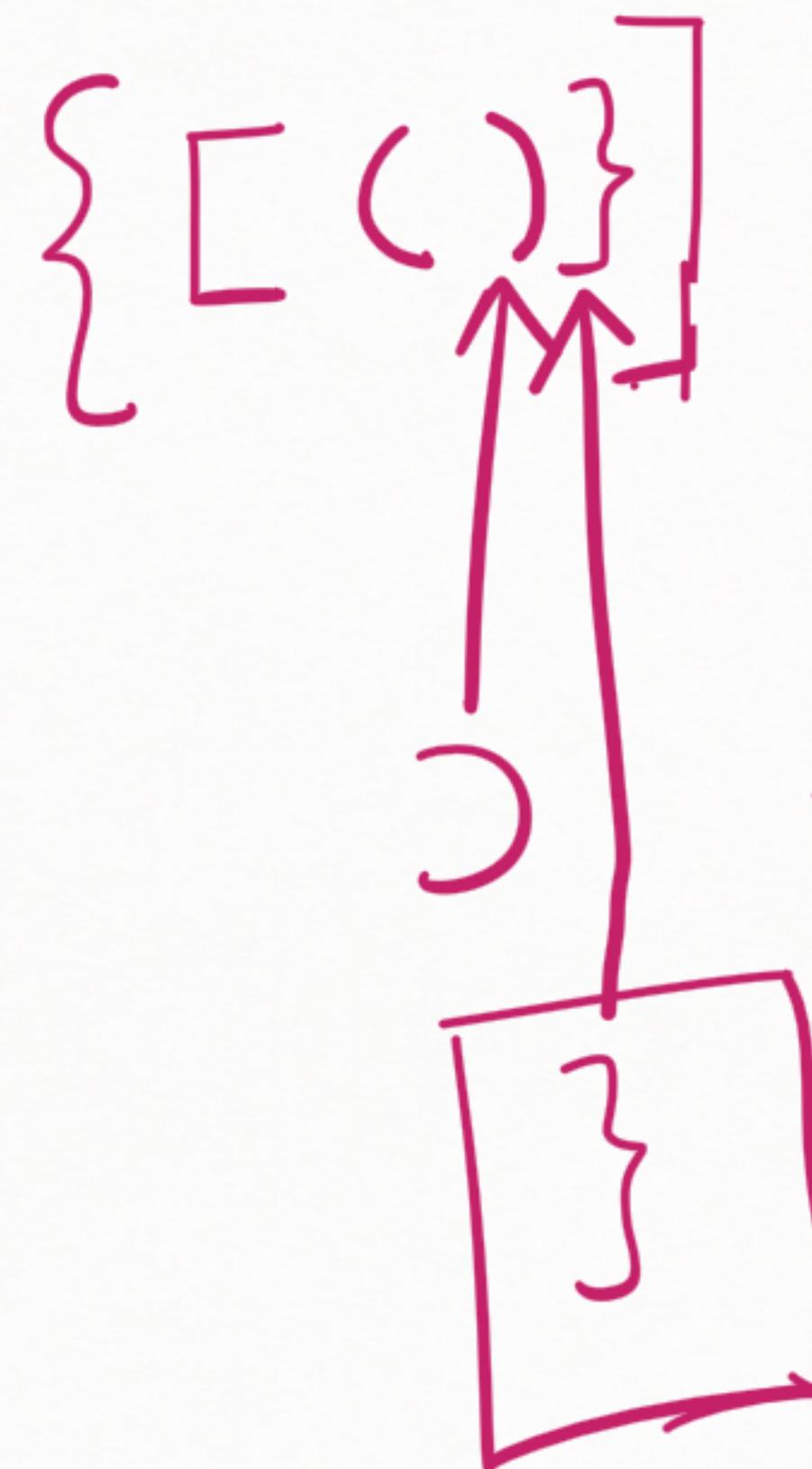
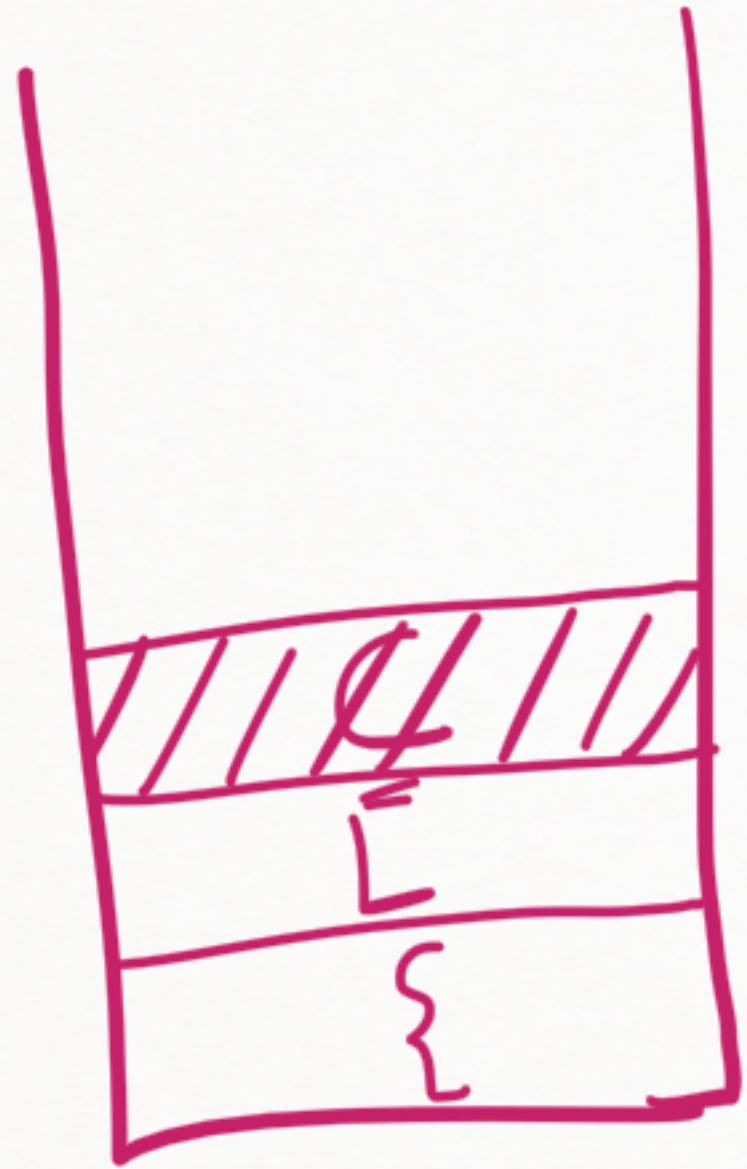
{ []] ✗

[-] { } ✗



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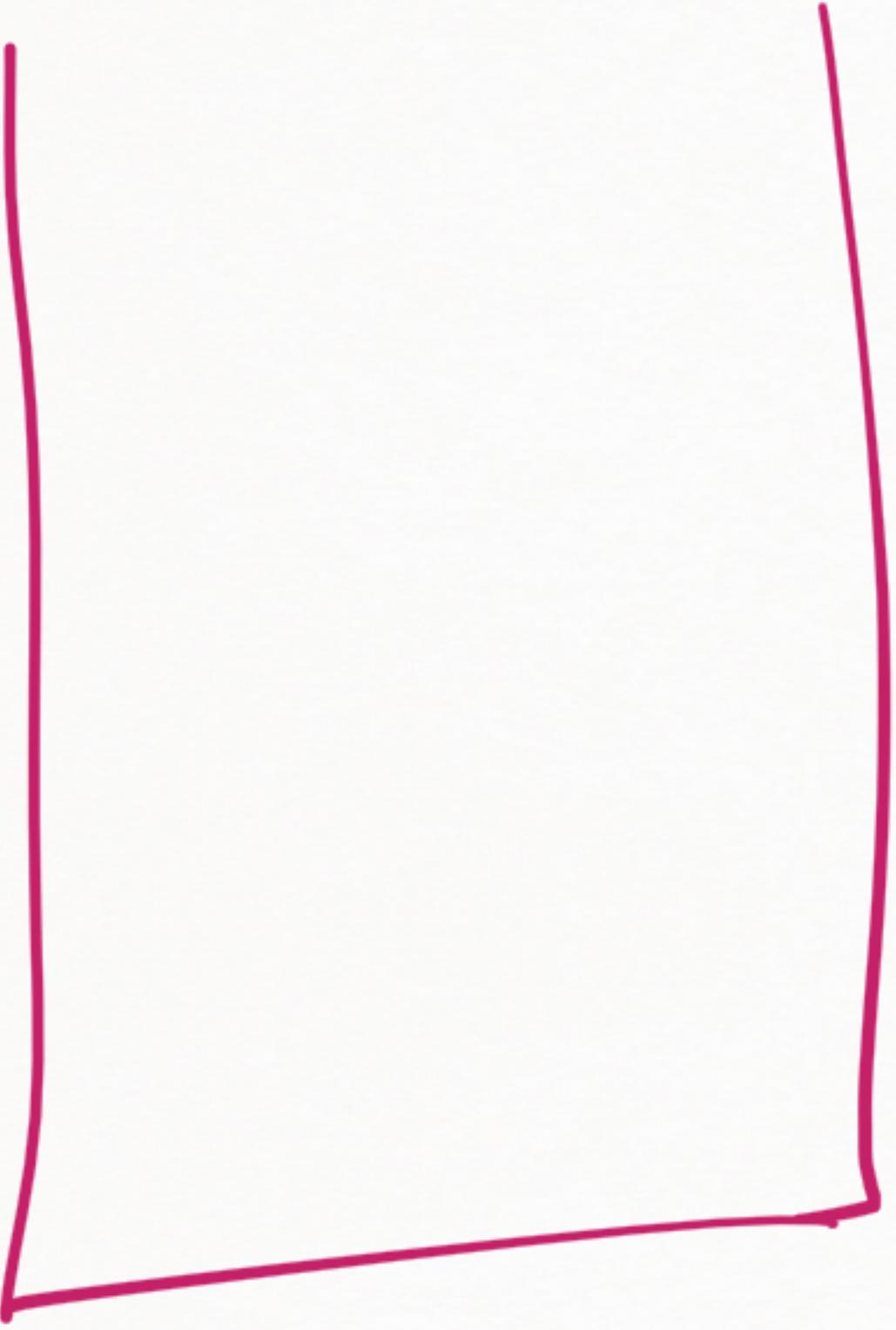




There ^{is}
No matching
opening
bracelet for
} at top
of stack

∴ NO
BALANCE
PARENTHESES.

★

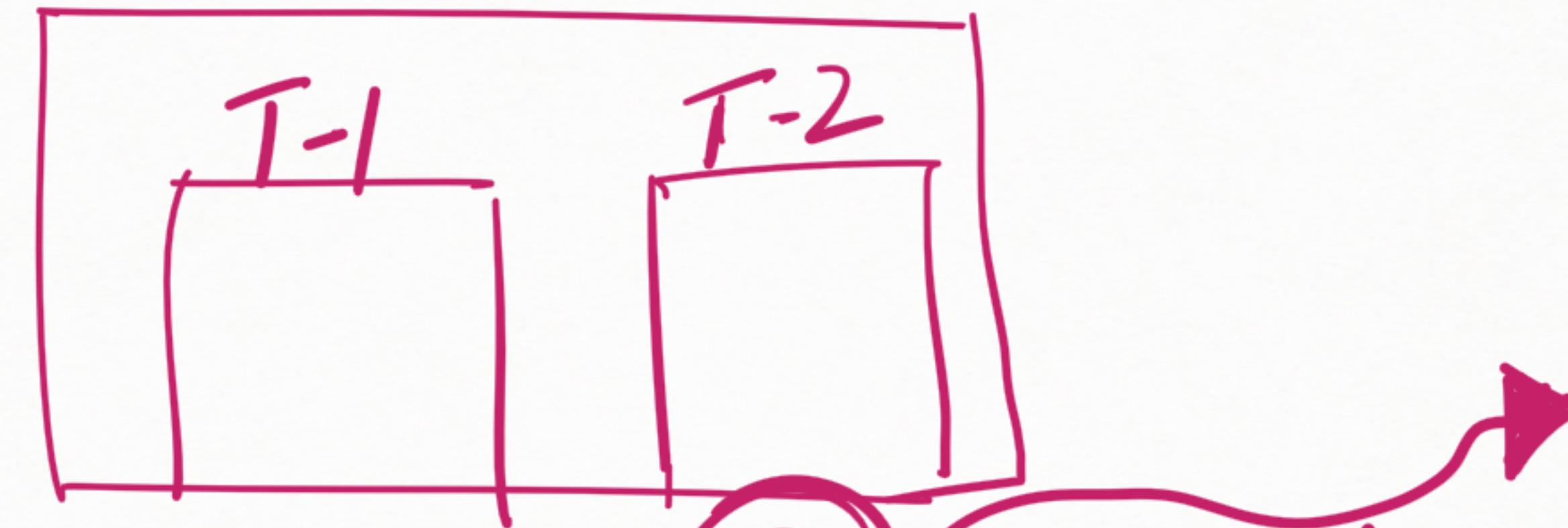


{ [] ()

Overe

FIFO

Front in
Front out

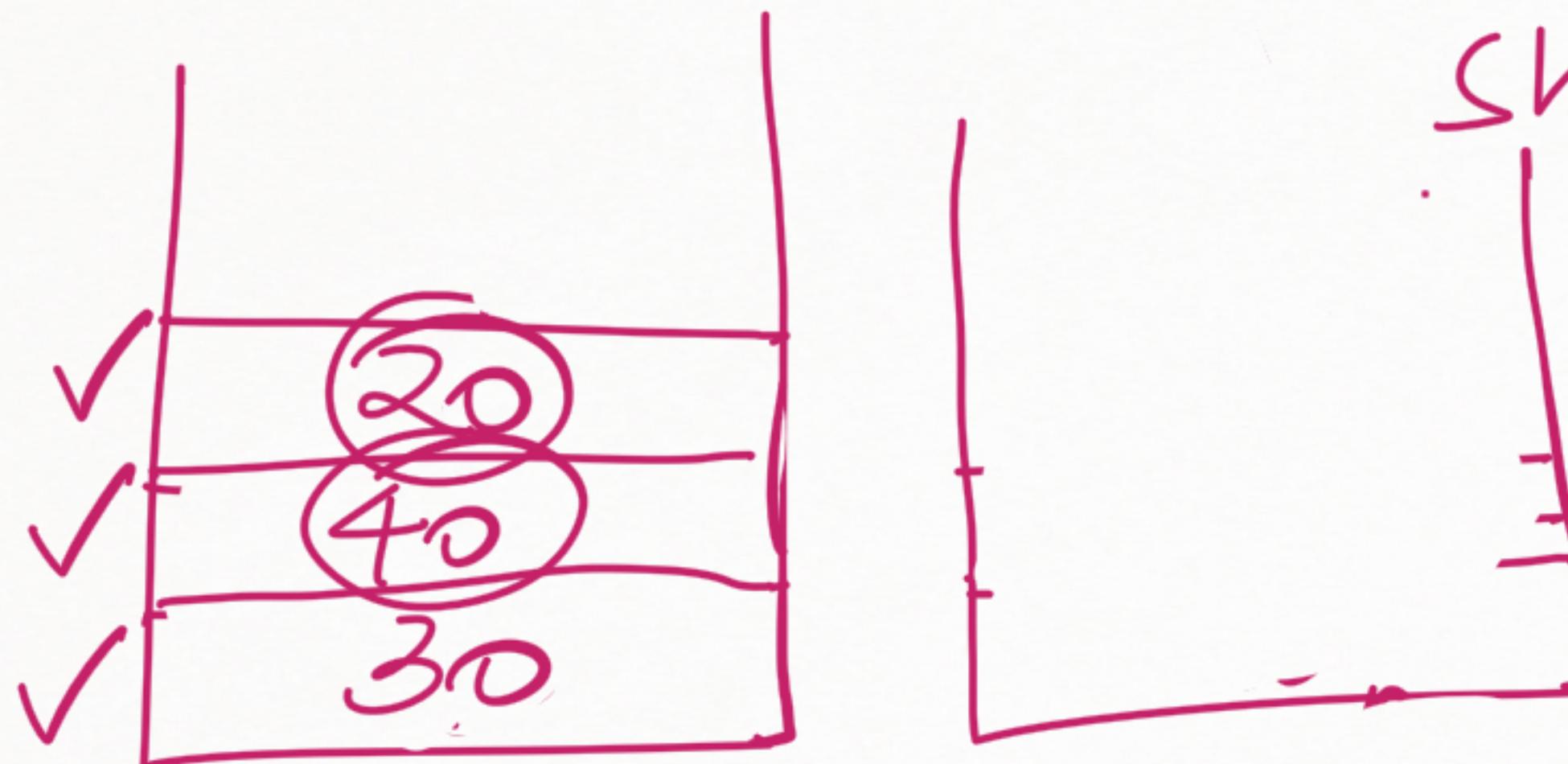


Front

Rear

Queue using Stacks

* Hint \Rightarrow 2 stacks



Oldest element
Should be deleted
First

Solve it in

Python

20 Minutes

20 \rightarrow Front
40
30
15 \rightarrow Back