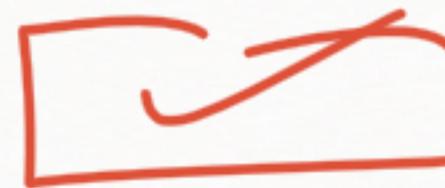
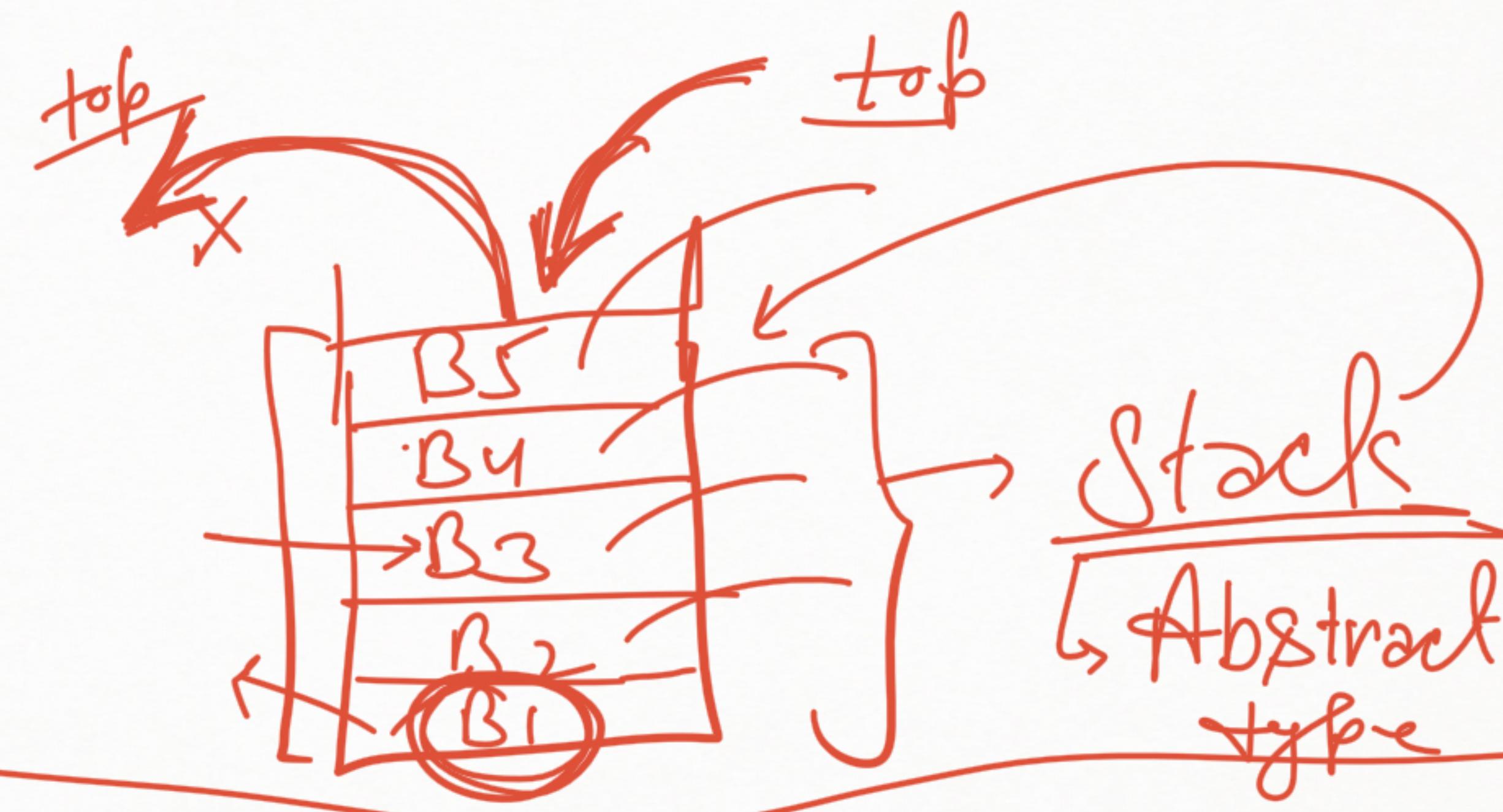


~~Array / List~~
~~LinkedList~~

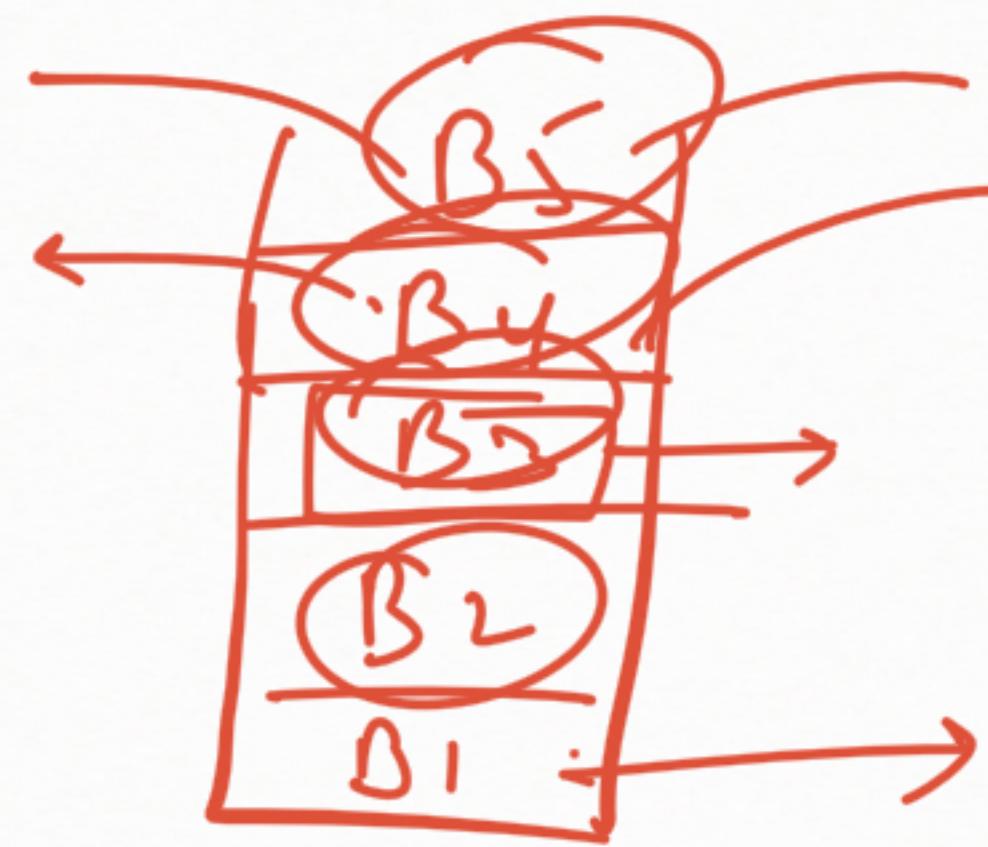


LIFO :- Last In First Out (Structure)



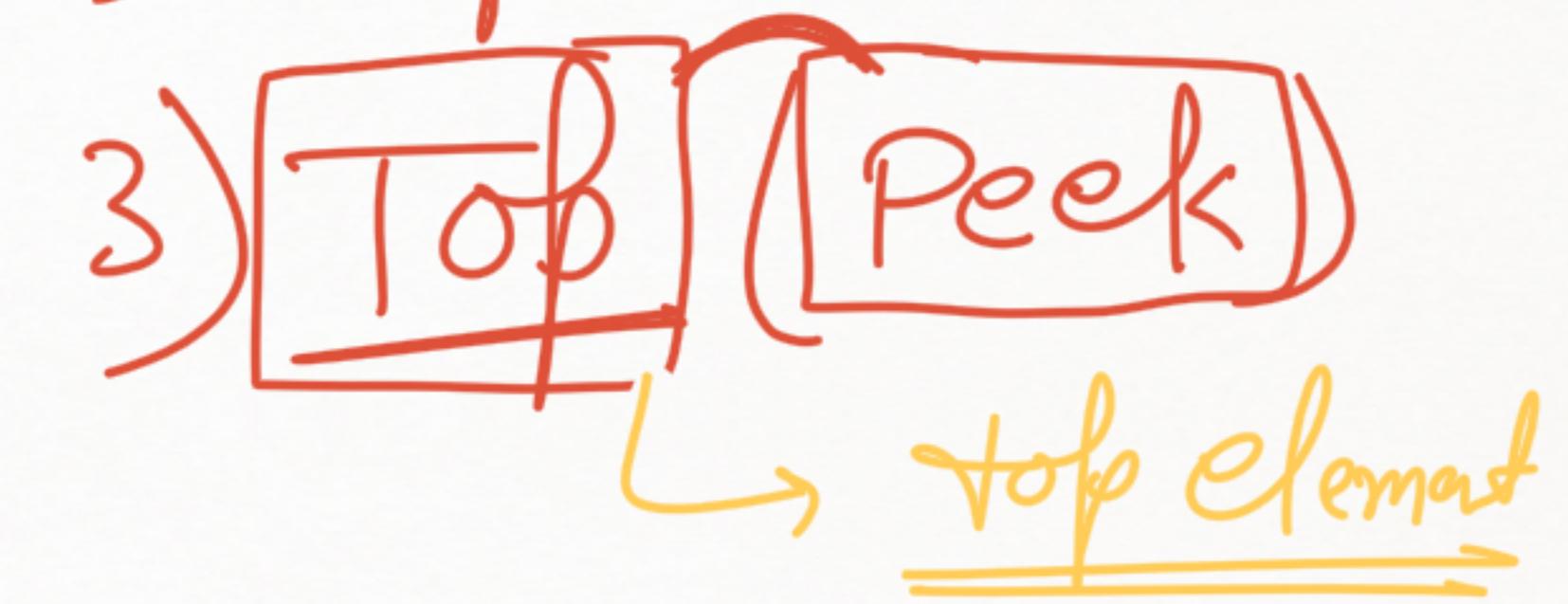
Stack

Abstract Data
type



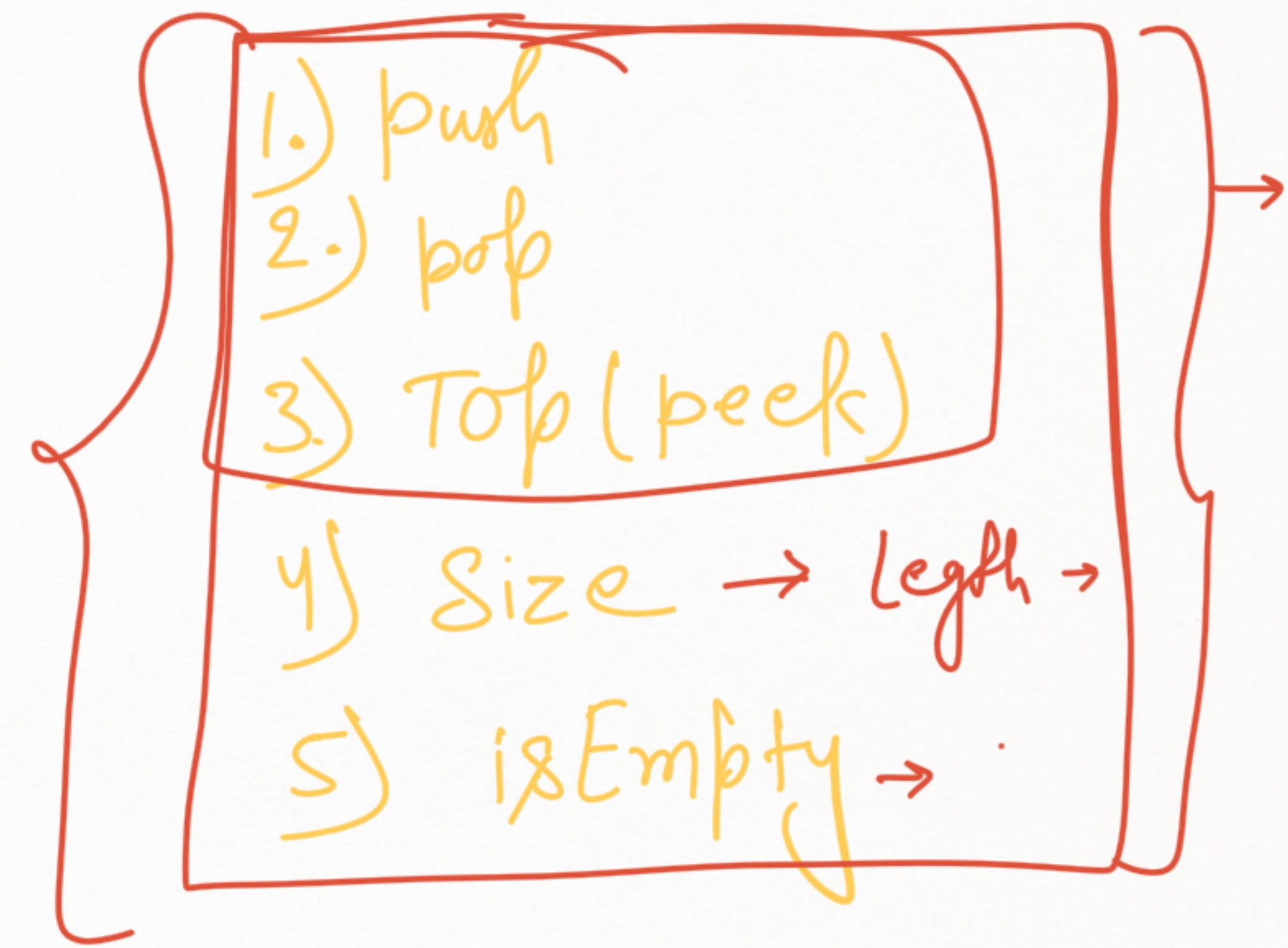
`S.pop()` → `S.popU`

- 1) Push :→ Insert
- 2) Pop :→ delete



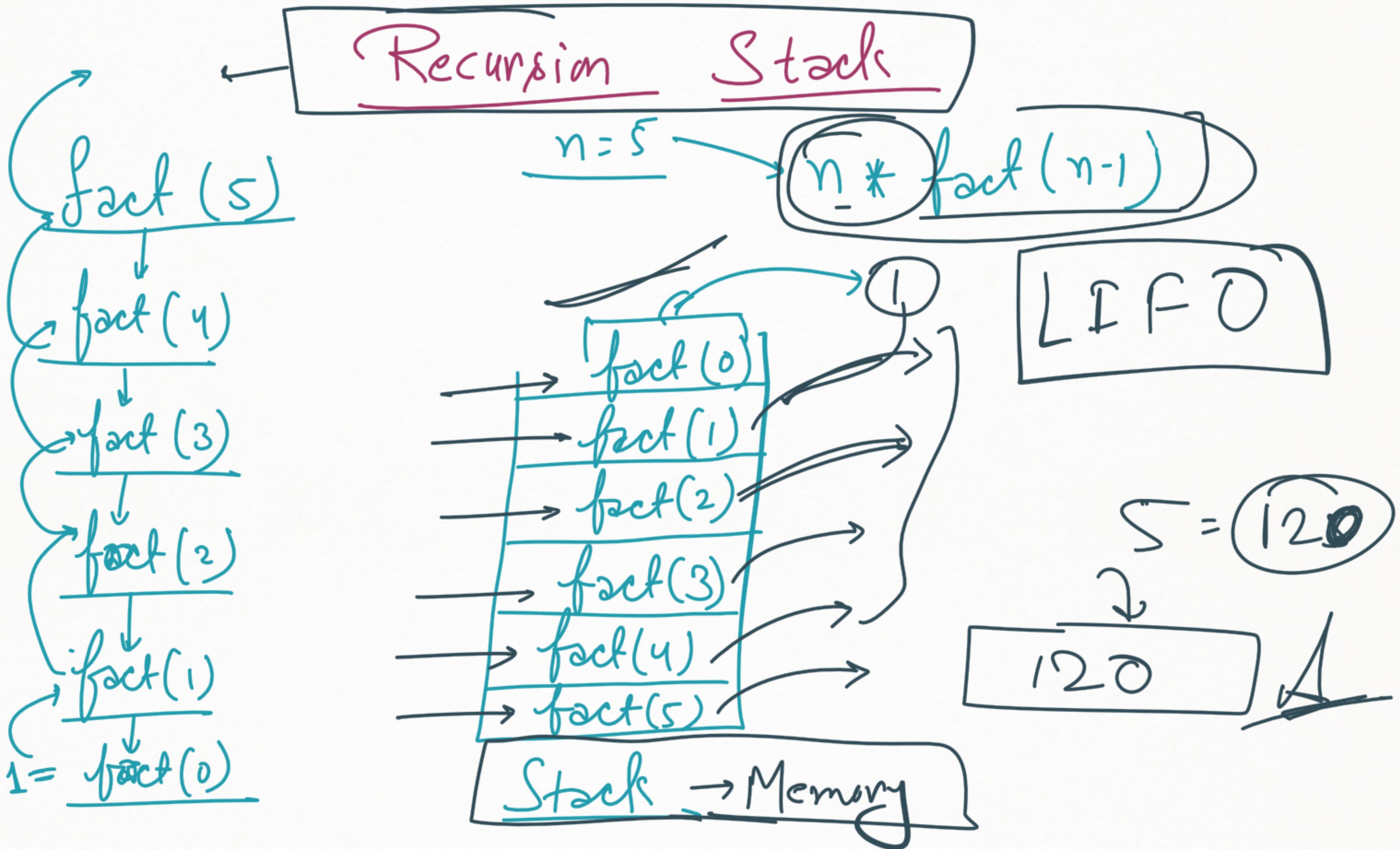
`S = Stack`

`S.push(10), S.push(12)`
`S.push(11)`



optional:-

+ Display/print



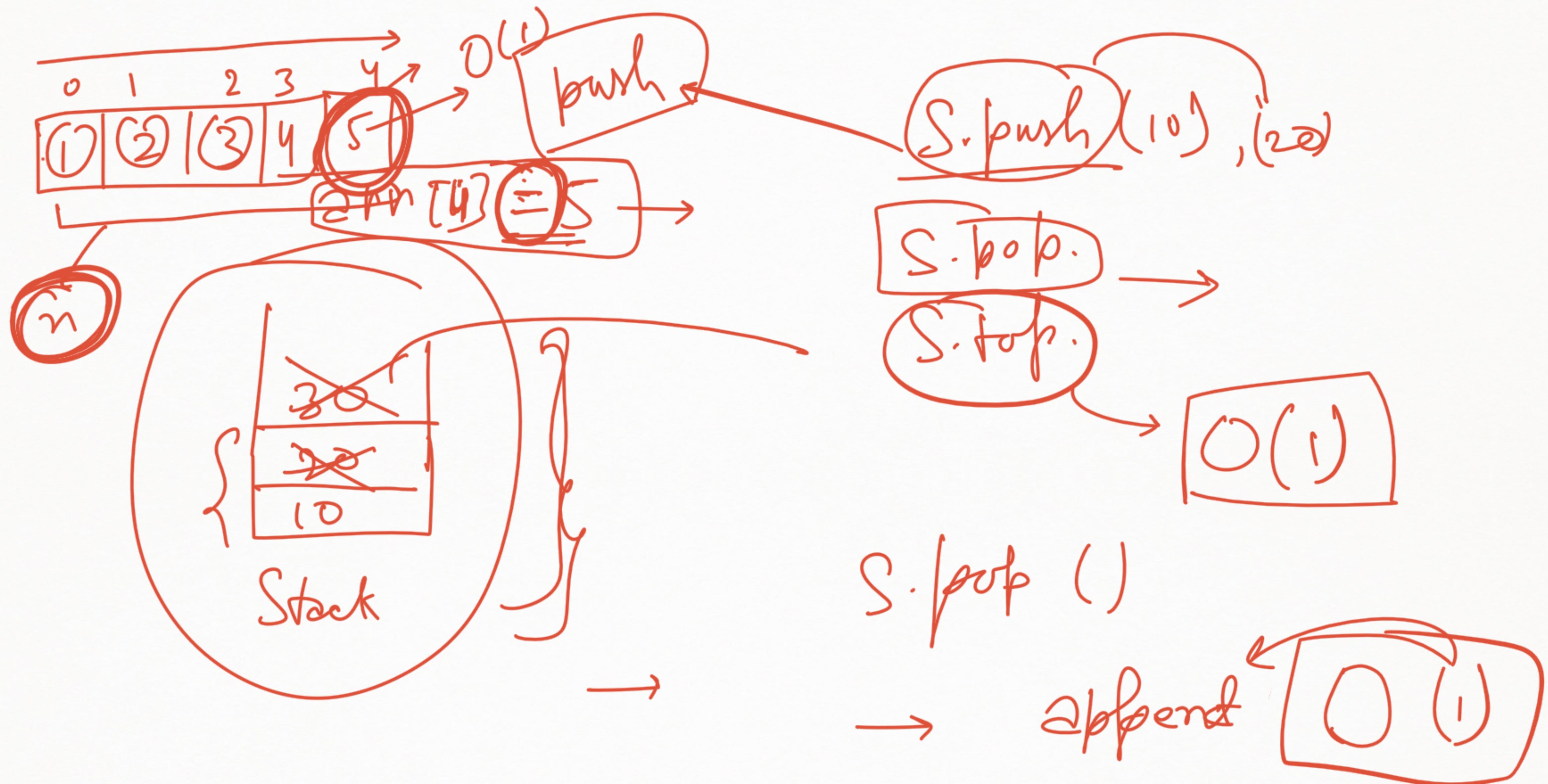
Array / List

→ Start Using Array

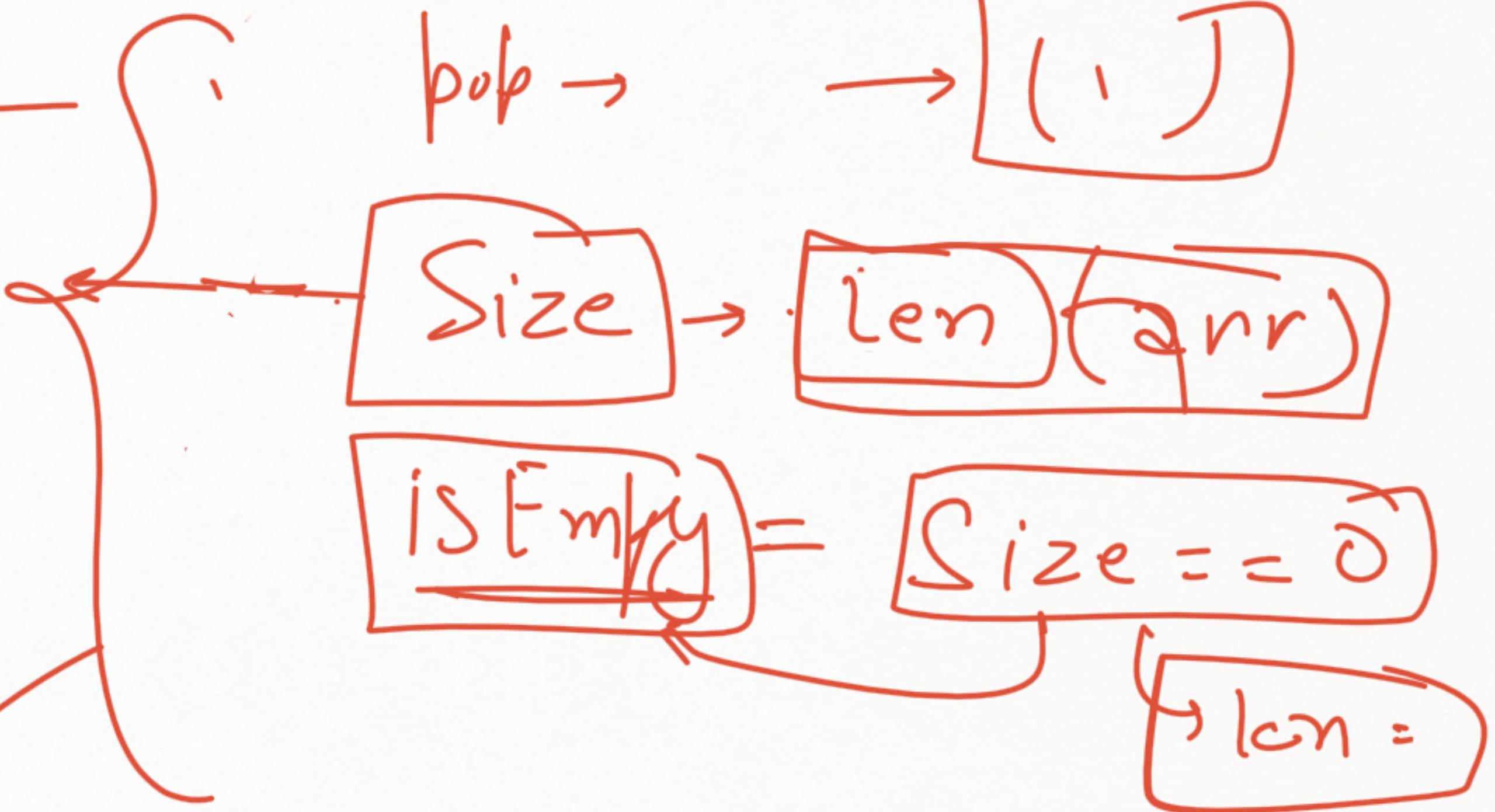
Class Stack:

- Push
- Pop
- top
- isEmpty
- Size

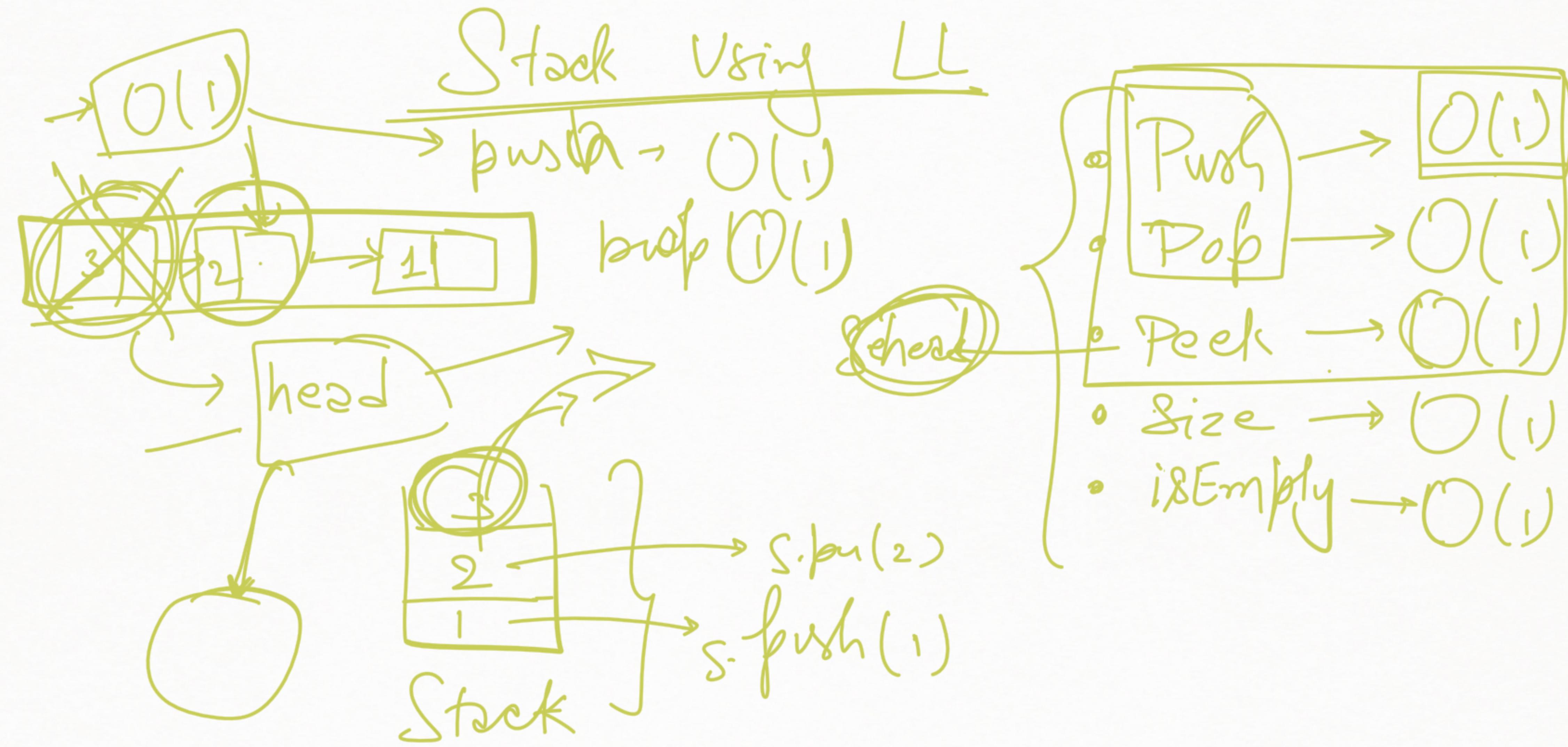
optional →
Display / print



for $vs : \mathbb{Z}$
Array



For user : \rightarrow Stack



Balanced Parentheses (Bracket)

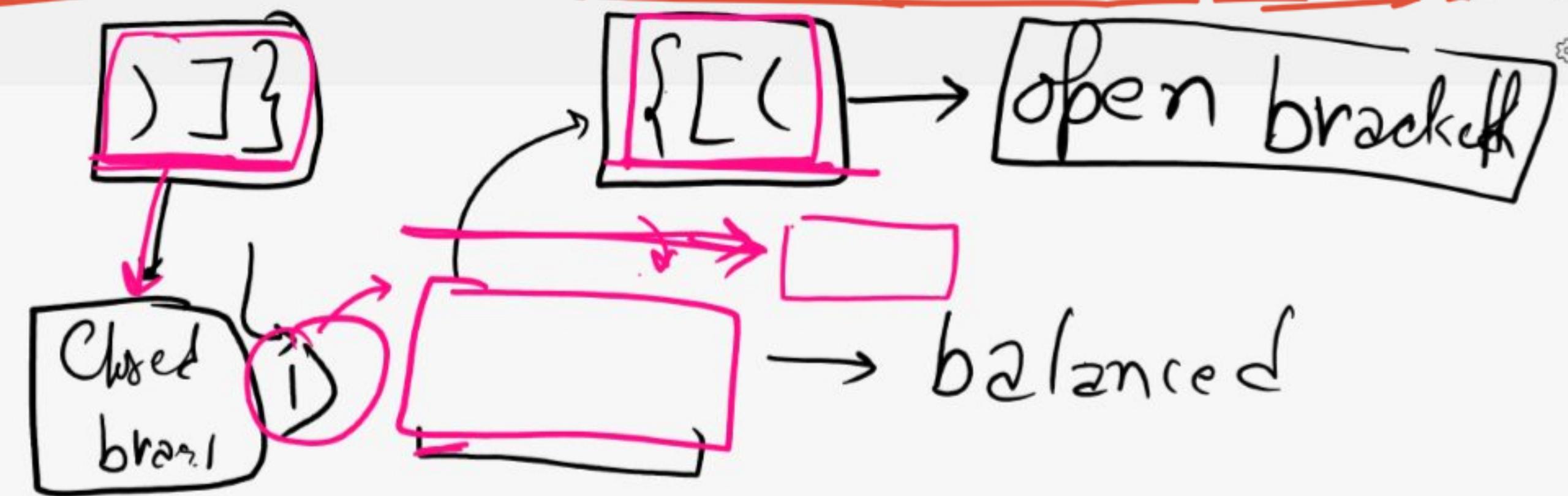
Untitled - Notepad

File Edit View



Stack

top == '{'



3) { (a + b) + { a + b } + [a + c] } → yes



4) { () () } → bal

⇒ } () () { → Not bal

5) { () () { } } → Not bal