

Problem: Given string with only (), lowercase chars, remove least amt of brackets so string is valid. String valid if empty or there are complete set of brackets

“sdfjlkdsjflskdjf(“ -> “
 “() {asdfjldksj”

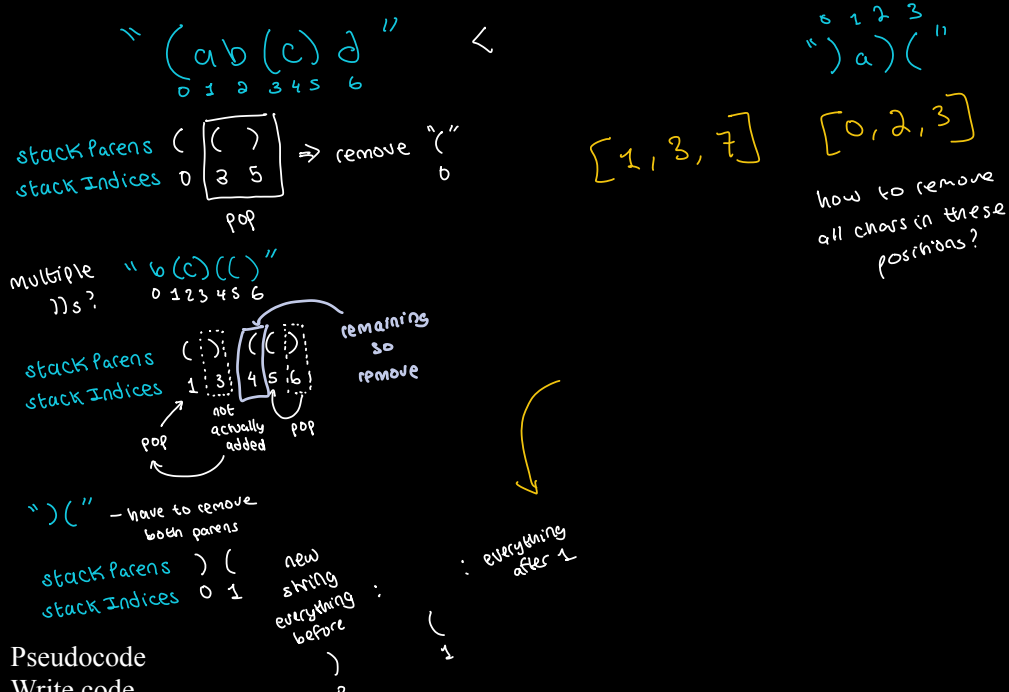
Intro:

- Verify Constraints
 - spaces? no
 - don't need brackets for string to be valid
- Create Testcases
 - “sdfjlkdsjflskdjf(“ -> “sdfjlkdsjflskdjf”
 - “() {asdfjldksj” -> “()asdfjldksj”
 - “a)bc(d)” -> “abc(d)”
 - “(ab(c)d)” -> “(abc)d” or “ab(c)d”
 - “”)((“ -> “”

Brute Force:

- Brainstorming & Pattern Observations

Key: consider when you insert or pop data from stack



- Pseudocode
- Write code
- Run through testcases
- Analyze time and space complexity
 - Time: $O(n)$
 - Space: $O(n)$

Optimal:

- Brainstorming & Pattern Observations
- Pseudocode
- Write code

- Run through testcases
- Analyze time and space complexity