Valid Parantheses
Islouig the valid parantheses problem→a classic eux case for a stack.
Pose Idea - Their stock to track offer brockets Faread, character
in the string:
1. If it's an epening bracket - push it outs the stack 2. If it's a closing bracket:
2. If it a closing bracket:
- If the stock is empty - X invalid
Pop the top and check if it matches the expected you
lacket → if not, × involid
3. At the end, the stack should be empty for a valid string.
Matching Pais: [Use a host map of quick lookys: unordered map a char match = {{'}}', '(') {'},
unerching rains i use a most mos son glace localings:
1'7' '5'17;
Edge Cases: [")("- × invalid (wong Ader) "((("- × invalid (never closed)
"(((" - X invaled (never closed)
"([]{})" - / valid (correct nesting)
Time & Space: Complexity: 7. Time: O(1) - sean each character ence · (pace; O(1) - wast - case stack usage
· If Cole; Sin) - west - cose shall disage