# 32. Longest Valid Parentheses

## SOLUTION IN JAVA

class Solution {

public int longestValidParentheses(String s) {

final String s2 = ")" + s;

int dp[] = new int[s2.length()];

for (int i = 1; i < s2.length(); ++i)

if (s2.charAt(i) == ')' && s2.charAt(i - dp[i - 1] - 1) == '(')

dp[i] = dp[i - 1] + dp[i - dp[i - 1] - 2] + 2;

return Arrays.stream(dp).max().getAsInt();

}

}