

(() () ((

- Iterate over string and remove those valid pairs.

⇒ (. . . ((

- The remaining are invalid ones.

So the output is longest consecutive dots.

0	1	2	3	4	5	6
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(())

const fn = (s) => {

const stack = [];

for (let i = 0; i < s.length; i++) {

if (s[i] === '(') {

stack.push(i);

} else {

if (stack.length > 0 & s[stack[stack.length - 1]] === ')') {

stack.pop();

} else {

stack.push(i);

}

}

stack.push(s.length);

let output = 0;

for (let i = 0; i < stack.length - 1; i++) {

output = Math.max(output, stack[i + 1] - stack[i]);

}

return output;

}

0 1 2 3 4 5 6 7 8 9 10 11 12
(() () ())) () (

↓
[9, 12]

↓
[1, 9, 12]
 ↓ ↓
 9 2

(()
1 0 1 2 3
 └──┬──┘
 i j
 j - i - 1