5535. Maximum Nesting Depth of the Parentheses

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User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Easy

A string is a **valid parentheses string** (denoted **VPS**) if it meets one of the following:

- It is an empty string `""`, or a single character not equal to `"("` or `")"`,
- It can be written as `AB` (`A` concatenated with `B`), where `A` and `B` are **VPS**'s, or
- It can be written as `(A)`, where `A` is a **VPS**.

We can similarly define the **nesting depth** `depth(S)` of any VPS `S` as follows:

- `depth("") = 0`
- `depth(A + B) = max(depth(A), depth(B))`, where `A` and `B` are **VPS**'s
- `depth("(" + A + ")") = 1 + depth(A)`, where `A` is a **VPS**.

For example, `""`, `"()()"`, and `"()(()())"` are **VPS**'s (with nesting depths 0, 1, and 2), and `")("` and `"(()"` are not **VPS**'s.

Given a **VPS** represented as string `s`, return *the **nesting depth** of* `s`.

Example 1:

```
Input: s = "(1+(2*3)+((8)/4))+1"
Output: 3
Explanation: Digit 8 is inside of 3 nested parentheses in the string.
```

Example 2:

```
Input: s = "(1)+((2))+(((3)))"
Output: 3
```

Example 3:

```
Input: s = "1+(2*3)/(2-1)"
Output: 1
```

Example 4:

```
Input: s = "1"
Output: 0
```

Constraints:

- `1 <= s.length <= 100`
- `s` consists of digits `0-9` and characters `'+'`, `'-'`, `'*'`, `'/'`, `'('`, and `')'`.
- It is guaranteed that parentheses expression `s` is a **VPS**.

JavaScript

```
/**
 * @param {string} s
 * @return {number}
 */
var maxDepth = function(s) {

};
```