

BACK

lineEncoding



DESCRIPTION

SOLUTIONS 5762

COMMENTS 14



CODEWRITING

SCORE: 300/300

Given a string, return its encoding defined as follows:

- First, the string is divided into the least possible number of disjoint **substrings** consisting of identical characters
 - for example, "aabbbc" is divided into ["aa", "bbb", "c"]
- Next, each *substring* with length greater than one is replaced with a concatenation of its length and the repeating character
 - for example, *substring* "bbb" is replaced by "3b"
- Finally, all the new strings are concatenated together in the same order and a new string is returned.

Example

For `s = "aabbbc"`, the output should be

`lineEncoding(s) = "2a3bc"`.

Input/Output

- **[execution time limit] 4 seconds (js)**
- **[input] string s**

String consisting of lowercase English letters.

Guaranteed constraints:

$4 \leq s.length \leq 15$.

- **[output] string**

Encoded version of `s`.

[JavaScript (ES6)] Syntax Tips

```
// Prints help message to the console
// Returns a string
function helloWorld(name) {
    console.log("This prints to the console when you Run Tests");
    return "Hello, " + name;
}
```

