

DESC

RULES

README

SETTINGS

Question 1 of 3 Submitted

0:03:15

main.java

```
1 boolean solution(String sequence) {
2
3     Stack<String>stackSequence = new Stack<>();
4
5     if(sequence.length()==0){
6         return true;
7     }else{
8
9         int contParentesesAbrindo = 0;
10        int contParentesesFechando = 0;
11
12        int contChavesAbrindo = 0;
13        int contChavesFechando = 0;
14
15        int contColchetesAbrindo = 0;
16        int contColchetesFechando = 0;
17
18        for(int i=0;i<sequence.length();i++){
19
20            char c = sequence.charAt(i);
21
22            if(c == '('){
23                contParentesesAbrindo++;
24                stackSequence.push(String.valueOf(c));
```

Codewriting

Given a string `sequence` consisting of the characters `'('`, `')'`, `'['`, `']'`, `'{'`, and `'}'`. Your task is to determine whether or not the `sequence` is a **valid** bracket sequence.

The **Valid** bracket sequence is defined in the following way:

- An empty bracket sequence is a valid bracket sequence.
- If `S` is a valid bracket sequence then `(S)`, `[S]` and `{S}` are also valid.
- If `A` and `B` are valid bracket sequences then `AB` is also valid.

Example

- For `sequence = "()"`, the output should be `solution(sequence) = true`;
- For `sequence = "()[]{}"`, the output should be `solution(sequence) = true`;
- For `sequence = "]"`, the output should be `solution(sequence) = false`;
- For `sequence = "([)]"`, the output should be `solution(sequence) = false`;
- For `sequence = "{[]}"`, the output should be `solution(sequence) = true`.

Input/Output

- [execution time limit] 3 seconds (java)
- [input] string sequence

A bracket sequence, consisting of the characters `(`, `)`, `[`, `]`, `{`, and `}`.

Guaranteed constraints:

$0 \leq \text{sequence.length} \leq 10^6$.

- [output] boolean

`true` if `sequence` is a valid bracket sequence and `false` otherwise.

[Java] Syntax Tips

```
// Prints help message to the console
// Returns a string
//
// Globals declared here will cause a compilation error
// declare variables inside the function instead!
String helloWorld(String name) {
    System.out.println("This prints to the console")
    return "Hello, " + name;
}
```

TESTS

CUSTOM TESTS

RUN TESTS

Test 1

MORE

100/100

VIEW DIFF

SUBMIT

NEXT

https://app.codesignal.com/test/mkTsjFcqj39tEx2ge/question/phZ43HkcajKihk2EP

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