

BACK

isIPv4Address



DESCRIPTION

SOLUTIONS 13206

COMMENTS 46



CODEWRITING

SCORE: 300/300

An IP address is a numerical label assigned to each device (e.g., computer, printer) participating in a computer network that uses the Internet Protocol for communication. There are two versions of the Internet protocol, and thus two versions of addresses. One of them is the *IPv4 address*.

IPv4 addresses are represented in dot-decimal notation, which consists of four decimal numbers, each ranging from 0 to 255 inclusive, separated by dots, e.g., 172.16.254.1 .

Given a string, find out if it satisfies the *IPv4 address* naming rules.

Example

- For `inputString = "172.16.254.1"` , the output should be `isIPv4Address(inputString) = true` ;
- For `inputString = "172.316.254.1"` , the output should be `isIPv4Address(inputString) = false` .

316 is not in range `[0, 255]` .
- For `inputString = ".254.255.0"` , the output should be `isIPv4Address(inputString) = false` .

There is no first number.

Input/Output

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

Guaranteed constraints:

`1 ≤ inputString.length ≤ 30` .

- [output] boolean**

`true` if `inputString` satisfies the IPv4 address naming rules, `false` otherwise.

[JavaScript (ES6)] Syntax Tips

```
// Prints help message to the console
```

