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] 0.5 seconds (cpp)**

- **[input] string inputString**

  A string consisting of digits, full stops and lowercase English letters.

  Guaranteed constraints:
  `1 ≤ inputString.length ≤ 30`.

- **[output] boolean**