468. Validate IP Address

Description

Given a string `queryIP` , return `"IPv4"` if IP is a valid IPv4 address, `"IPv6"` if IP is a valid IPv6 address or `"Neither"` if IP is not a correct IP of any type.

A valid IPv4 address is an IP in the form `"x₁.x₂.x₃.x₄"` where `0 <= xᵢ <= 255` and `xᵢ` **cannot contain** leading zeros. For example, `"192.168.1.1"` and `"192.168.1.0"` are valid IPv4 addresses while `"192.168.01.1"` , `"192.168.1.00"` , and `"192.168@1.1"` are invalid IPv4 addresses.

A valid IPv6 address is an IP in the form `"x₁:x₂:x₃:x₄:x₅:x₆:x₇:x₈"` where:

- `1 <= xᵢ.length <= 4`
- `xᵢ` is a **hexadecimal string** which may contain digits, lowercase English letter (`'a'` to `'f'`) and upper-case English letters (`'A'` to `'F'`).
- Leading zeros are allowed in `xᵢ` .

For example, " `2001:0db8:85a3:0000:0000:8a2e:0370:7334` " and " `2001:db8:85a3:0:0:8A2E:0370:7334` " are valid IPv6 addresses, while " `2001:0db8:85a3::8A2E:037j:7334` " and " `02001:0db8:85a3:0000:0000:8a2e:0370:7334` " are invalid IPv6 addresses.

Example 1:

```
Input: queryIP = "172.16.254.1"
Output: "IPv4"
Explanation: This is a valid IPv4 address, return "IPv4".
```

Example 2:

```
Input: queryIP = "2001:0db8:85a3:0:0:8A2E:0370:7334"
Output: "IPv6"
Explanation: This is a valid IPv6 address, return "IPv6".
```

Example 3:

```
Input: queryIP = "256.256.256.256"
Output: "Neither"
Explanation: This is neither a IPv4 address nor a IPv6 address.
```

Constraints:

- `queryIP` consists only of English letters, digits and the characters `'.'` and `':'` .