# 392. Is Subsequence

# Difficulty : Easy

https://leetcode.com/problems/is-subsequence

Given two strings `s` and `t`, return `true` *if* `s` *is a* ***subsequence*** *of* `t`, *or* `false` *otherwise*.

A **subsequence** of a string is a new string that is formed from the original string by deleting some (can be none) of the characters without disturbing the relative positions of the remaining characters. (i.e., `"ace"` is a subsequence of `"abcde"` while `"aec"` is not).

**Example 1:**

```
Input: s = "abc", t = "ahbgdc"
Output: true
```

**Example 2:**

```
Input: s = "axc", t = "ahbgdc"
Output: false
```

**Constraints:**

- `0 <= s.length <= 100`
- `0 <= t.length <= 10^4`
- `s` and `t` consist only of lowercase English letters.

**Follow up:** Suppose there are lots of incoming `s`, say $s_1$, $s_2$, ..., $s_k$ where `k >= 10^9`, and you want to check one by one to see if `t` has its subsequence. In this scenario, how would you change your code?