

# 392. Is Subsequence

☰ Tags	
📅 Property	@August 18, 2022

## Question

原文：

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 `"a b c d e"` while `"aec"` is not).

我的理解：

假如字串s被字串t包含return true，否則return false，但包含必須順序也相同，舉例：`"ace"` 被 `"a b c d e"` 包含但 `"aec"` 不被包含

翻譯：

给定两个字符串 `s` 和 `t`，如果 `s` 是 `t` 的**子序列**，则返回 `true`，否则\* `false`。

一个字符串的**子序列**是一个新的字符串，它是通过删除一些（可以是没有）字符而形成的，不会影响到其余字符的相对位置。（例如，`"ace"` 是 `"abcde"` 的一个子序列，而 `"aec"` 不是）。

自評翻譯正確性：99%

- Word Memory :
  - disturbing 干擾

## Code

```

class Solution {
public:
    bool isSubsequence(string s, string t) {
        int i=0,j;
        if(s=="")
            return true;
        for(j=0;j<t.size();j++){
            if(s[i]==t[j]){
                i++;
            }
            if(i==s.size()){
                return true;
            }
        }
        return false;
    }
};

```

思路：先拿第一位s的字符去跟t做依序比對，如果有相同的字符s t同時增進一位，直到依序搜索完t如果s也被搜索完代表t包含s return true，否則return false

**Success** Details >

Runtime: 6 ms, faster than 21.69% of C++ online submissions for Is Subsequence.

Memory Usage: 6.1 MB, less than 99.99% of C++ online submissions for Is Subsequence.

Next challenges:

Number of Matching Subsequences

Shortest Way to Form String

Show off your acceptance:



Time Submitted	Status	Runtime	Memory	Language
08/18/2022 10:57	Accepted	6 ms	6.1 MB	cpp

## 優良code參考

| 思路：