

## 2486. Append Characters to String to Make Subsequence

Solved ●

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You are given two strings `s` and `t` consisting of only lowercase English letters.

Return the minimum number of characters that need to be appended to the end of `s` so that `t` becomes a **subsequence** of `s`.

A **subsequence** is a string that can be derived from another string by deleting some or no characters without changing the order of the remaining characters.

### Example 1:

**Input:** `s = "coaching"`, `t = "coding"`

**Output:** 4

**Explanation:** Append the characters "ding" to the end of `s` so that `s = "coachingding"`.

Now, `t` is a subsequence of `s` ("coachingding").

It can be shown that appending any 3 characters to the end of `s` will never make `t` a subsequence.

### Example 2:

**Input:** `s = "abcde"`, `t = "a"`

**Output:** 0

**Explanation:** `t` is already a subsequence of `s` ("abcde").

### Example 3:

**Input:** `s = "z"`, `t = "abcde"`

**Output:** 5

**Explanation:** Append the characters "abcde" to the end of `s` so that `s = "zabcde"`.

Now, `t` is a subsequence of `s` ("zabcde").

It can be shown that appending any 4 characters to the end of `s` will never make `t` a subsequence.

### Constraints:

- $1 \leq s.length, t.length \leq 10^5$
- `s` and `t` consist only of lowercase English letters.

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