

2486. Append Characters to String to Make Subsequence

Description

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` (" co aching ding ").

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` (" a bcde").

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` ("z abcde ").

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

Constraints:

- `1 <= s.length, t.length <= 105`
- `s` and `t` consist only of lowercase English letters.

