

Description

Solution

Submissions

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Python

Autocomplete

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1055. Shortest Way to Form String

Medium

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From any string, we can form a *subsequence* of that string by deleting some number of characters (possibly no deletions).

Given two strings `source` and `target`, return the minimum number of subsequences of `source` such that their concatenation equals `target`. If the task is impossible, return `-1`.

Example 1:

Input: `source = "abc", target = "abcbc"`

Output: 2

Explanation: The target "abcbc" can be formed by "abc" and "bc", which are subsequences of source "abc".

Example 2:

Input: `source = "abc", target = "acdbc"`

Output: -1

Explanation: The target string cannot be constructed from the subsequences of source string due to the character "d" in target string.

Example 3:

Input: `source = "xyz", target = "xzyxz"`

Output: 3

Explanation: The target string can be constructed as follows "xz" + "y" + "xz".

Constraints:

☰ Problems

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