

Custom Sort String

Medium

S and T are strings composed of lowercase letters. In S , no letter occurs more than once.

S was sorted in some custom order previously. We want to permute the characters of T so that they match the order that S was sorted. More specifically, if x occurs before y in S , then x should occur before y in the returned string.

Return any permutation of T (as a string) that satisfies this property.

Example :

Input:

$S = \text{"cba"}$

$T = \text{"abcd"}$

Output: "cbad"

Explanation:

"a", "b", "c" appear in S , so the order of "a", "b", "c" should be "c", "b", and "a".

Since "d" does not appear in S , it can be at any position in T . "dcba", "cdba", "cbda" are also valid outputs.

Note:

- S has length at most 26, and no character is repeated in S .
- T has length at most 200.
- S and T consist of lowercase letters only.