

3146. Permutation Difference between Two Strings

Solved ●

Easy Topics Companies Hint

You are given two strings `s` and `t` such that every character occurs at most once in `s` and `t` is a permutation of `s`.

The **permutation difference** between `s` and `t` is defined as the **sum** of the absolute difference between the index of the occurrence of each character in `s` and the index of the occurrence of the same character in `t`.

Return the **permutation difference** between `s` and `t`.

Example 1:

Input: `s = "abc", t = "bac"`**Output:** 2**Explanation:**

For `s = "abc"` and `t = "bac"`, the permutation difference of `s` and `t` is equal to the sum of:

- The absolute difference between the index of the occurrence of "a" in `s` and the index of the occurrence of "a" in `t`.
- The absolute difference between the index of the occurrence of "b" in `s` and the index of the occurrence of "b" in `t`.
- The absolute difference between the index of the occurrence of "c" in `s` and the index of the occurrence of "c" in `t`.

That is, the permutation difference between `s` and `t` is equal to $|0 - 1| + |2 - 2| + |1 - 0| = 2$.

Example 2:

Input: `s = "abcde", t = "edbac"`**Output:** 12**Explanation:** The permutation difference between `s` and `t` is equal to $|0 - 3| + |1 - 2| + |2 - 4| + |3 - 1| + |4 - 0| = 12$.

Constraints:

- $1 \leq s.length \leq 26$
- Each character occurs at most once in `s`.
- `t` is a permutation of `s`.
- `s` consists only of lowercase English letters.

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Yes No

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Hint 1

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