Permutation Difference between Two Strings - LeetCode

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3146. Permutation Difference between Two Strings

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 chara 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| + |1 - 0| + |2 - 2| = 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 <= s.length <= 26`
- Each character occurs at most once in `s`.
- `t` is a permutation of `s`.
- `s` consists only of lowercase English letters.