

# 583. Delete Operation for Two Strings

## Difficulty : Medium

<https://leetcode.com/problems/delete-operation-for-two-strings>

Given two strings `word1` and `word2`, return *the minimum number of **steps** required to make `word1` and `word2` the same*.

In one **step**, you can delete exactly one character in either string.

### Example 1:

**Input:** `word1 = "sea", word2 = "eat"`

**Output:** 2

**Explanation:** You need one step to make "sea" to "ea" and another step to make "eat" to "ea".

### Example 2:

**Input:** `word1 = "leetcode", word2 = "etco"`

**Output:** 4

### Constraints:

- $1 \leq \text{word1.length}, \text{word2.length} \leq 500$
- `word1` and `word2` consist of only lowercase English letters.