Given two strings word1 and word2 **randomly**, return the maximum number of operations required to convert word1 to word2.

You have the following three operations permitted on a word:

Insert a character

Delete a character

Replace a character

Restriction: the maximum number of times using one of the permitted operations can NOT be more than the number of characters of word1 OR word2.

Case: word1 has 4 characters. Word2 has 6 characters. You can’t use any operation more than 6 times.

**Constraints:**

0 <= word1.length, word2.length <= 500

word1 and word2 consist of lowercase English letters.