Given two strings word1 and word2, return *the minimum 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

**Example 1:**

Input: word1 = "horse", word2 = "ros"  
Output: 3  
Explanation:   
horse -> rorse (replace 'h' with 'r')  
rorse -> rose (remove 'r')  
rose -> ros (remove 'e')

**Example 2:**

Input: word1 = "intention", word2 = "execution"  
Output: 5  
Explanation:   
intention -> inention (remove 't')  
inention -> enention (replace 'i' with 'e')  
enention -> exention (replace 'n' with 'x')  
exention -> exection (replace 'n' with 'c')  
exection -> execution (insert 'u')

**Constraints:**

* 0 <= word1.length, word2.length <= 500
* word1 and word2 consist of lowercase English letters.