72. Edit Distance

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.