class Solution(object):

def minDistance(self, word1, word2):

"""

:type word1: str

:type word2: str

:rtype: int

"""

## 4 Type operations. Do not forget to keep two last chars the same.

len\_word1,len\_word2 = len(word1),len(word2)

dp = [[0 for i in range(len\_word2+1)] for i in range(len\_word1+1)]

for i in range(len\_word2+1):

dp[0][i] = i

for i in range(len\_word1+1):

dp[i][0] = i

for i in range(1,len\_word1+1):

for j in range(1,len\_word2+1):

dp[i][j] = min(dp[i-1][j],dp[i][j-1],dp[i-1][j-1])+1

if word1[i-1] == word2[j-1]:

dp[i][j] = min(dp[i][j],dp[i-1][j-1])

return dp[-1][-1]