Longest Common Subsequence

class Solution:

def longestCommonSubsequence(self, text1: str, text2: str) -> int:

l1 = len(text1)

l2 = len(text2)

dp = [ [0 for \_ in range(l2+1) ] for \_ in range(l1+1) ]

for i in range(1,l1+1):

for j in range(1,l2+1):

if text1[i-1] == text2[j-1]:

dp[i][j] = dp[i-1][j-1] + 1

else:

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

return dp[l1][l2]