class Solution:

"""

@param A: A string

@param B: A string

@return: The length of longest common subsequence of A and B

"""

def longestCommonSubsequence(self, A, B):

# write your code here

len\_A,len\_B = len(A),len(B)

dp = [[0 for \_ in range(len\_B+1)] for \_ in range(len\_A+1)]

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

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

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

if A[i-1] == B[j-1]:

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

else:

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

return dp[-1][-1]