class Solution(object):

def numDistinct(self, s, t):

"""

:type s: str

:type t: str

:rtype: int

"""

len\_s,len\_t = len(s),len(t)

dp = [[0 for i in range(len\_s+1)] for i in range(len\_t+1)]

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

dp[i][0] = 0

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

dp[0][i] = 1

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

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

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

if t[i-1] == s[j-1]:

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

return dp[-1][-1]