1. Given two other examples of subsequence of x?

Answer = (A, B, C, D), (A, B, C, D, E, F, G), (A, E, F, G)

1. What is the longest common subsequence (LCS) of the following strings?

Answer = a c a d

1. How many possible subsequences does x have?

Answer = 2^7

1. If X has m symbols, how many possible subsequences does x have?

Answer = 2^m

1. If x has m symbol and y has n symbols, how many comparisons do we have to make to find the longest common subsequence between x and y?

Answer = 2^m \* 2^n

1. What is the LCS of DNA-O1 and DNA-O2?

Answer = 20