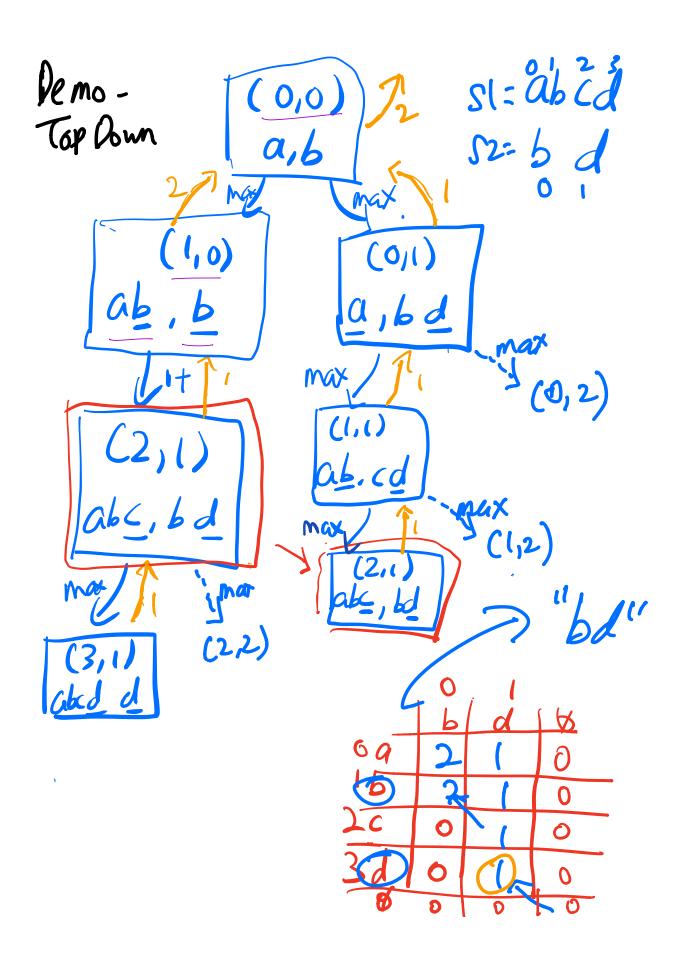
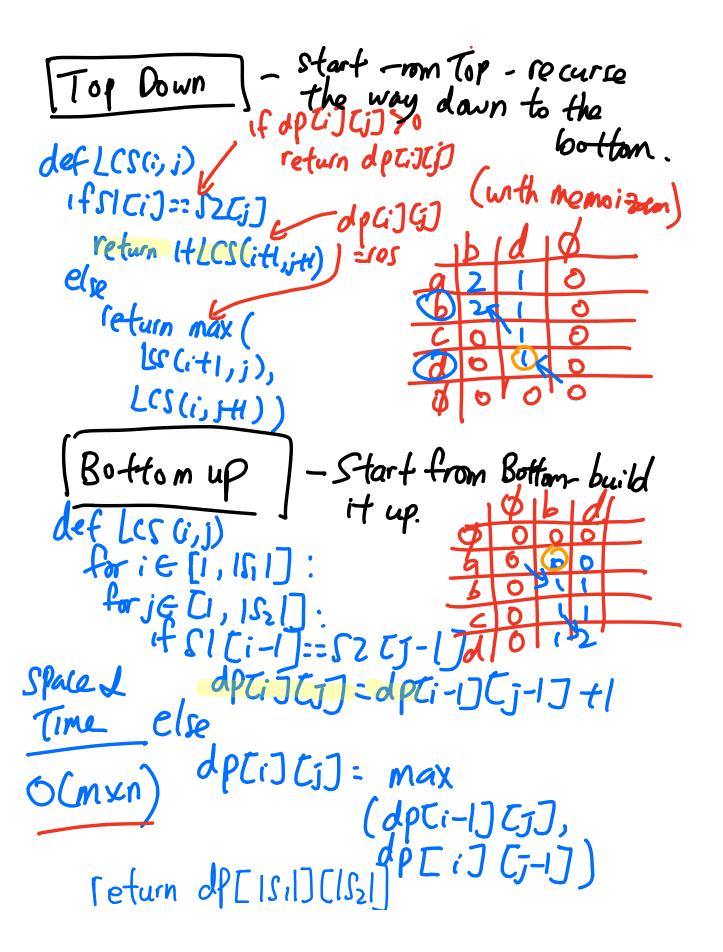
What is hello 4 "helo" ab cd 3 "abc" "acd" Sequence algorment of DNA GA CGGG

Top down algorithm def (CS (i, j): if dpcijcij >0 return dpcijcji If S[Li] = -S2Cj. return 1+ ks (i+1, i+1) else: return axl CS (ithii), Les(isst1)) Without memorization inth memorization Spala O(max(m,n))O(WXV) Time Time O(mxn)





Bottom up with String def (cs (s, sz): for i E [1,15,1] for j6 [1,151] if Si[(-1) == Sz (j-1) dp [] [] = dp [- [] [] + S, [] elæ: dp[i][j]=max(dp[i-1][j], dptij tj-1) return dpt-1]t-1] purpose of extra & and row: Deasier Calculation as explained (2) when s1=\$ ms2=\$,dpG-1]G-1] Still work as expected.