





## Miscellaneous - Part III

Complete Course on Algorithms - GATE

Longit Common Lussyme (L(S) Sussepende of a given sepen is the just the 1,3 given sepere only in which o (a) manglib) Symboll lefton. (mmm Svsser) 7=(ABBB) S=(ABBABB)  $SS_{1}=\{A,A,B,A\}$   $(S_{0}=(A))$   $(S_{0}=(A))$   $(S_{0}=(A))$   $(S_{0}=(A))$   $(S_{0}=(A))$ 752=(AB) (ABA)  $SS_1 = (A A)$ (54-fa A) AB) (M) (C) 22 = () SS3=(AZB3RABB)



$$(S_0 = C)$$
  $(S_1 = (A)$ 

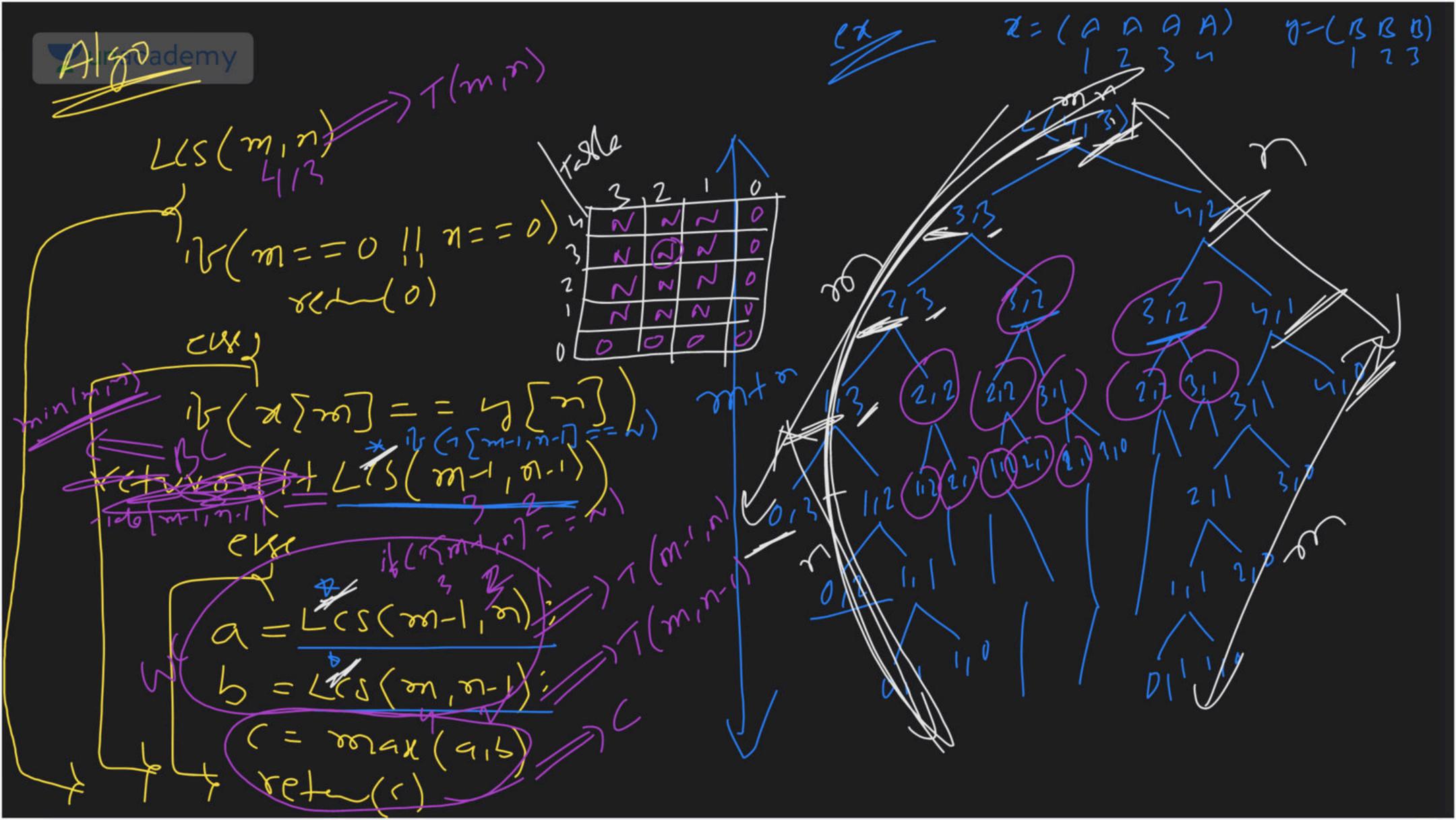
$$(S_3 = (ARA)$$

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LCS(6,6)



(et LCS(min) = The length By it layer commen such De 2-septed xxxy when x - m sy L(5(3,4) = (1+L(5(4,3)) LCS(S10) = 0 1/25(3,2)



Spall- Compten enten spall many stec? ( T(min) = TC Po Lus(min) D(m1m) T(m,n)=T(m-1,n)+T(m,n-1)+( WSM Z = 2 C+ 2 C-1 2 C-1 - - - 1 Z C = C \ 2+ z - - - - 7 z 2 ) = MN - DI( = mn + o(1) = O(mn) + o(1) = o(mn) + o(1) = o(mn) + o(1)= C. Sunta =0/20.27)  $V_{C}/m_{L}$ 

In Las(min) Ans: L(5(4,3)

LC5(4,3) = (4-11) (3+1) - DFC L(S(min) = (m)1).(n)1)-DF(