I Algorithm print-LCS (LLCS [][], String x, String y) n + x. length 1 & Array x + to CharArray 1 String x1 m + y. 18 min 1 & Array y + to Char Array (String y) String LCS + entry string in = = LLCSENIEM] it i = 0 or i = 0 return white ( 7 != 0) TF ILLOS (0) [m] = = LLOS (n+1) [m-1]+1 and LLOS (n-1)[m] == LLCS[n][m-1] LCS = x[n-1] + LCS els :+ LLCS[n][m] == LLCS[n-1][m] 0--7 = LLCS[n][m] ATTOY LCS + to CharATTOY (String LCS) for ( int i = LOS. length(1-1 ; i >= 0 ; i --System out , print ( LOS(:]) Proof: Let Cs be the vertex set containing s and Ct the vertex set containing t. A vertex moving from from Cs to Ct does not charge the value of A. because inflow = outflow what comes from s equals to what goes in t, that is, when a vertex moves from Cs to Ct does not change the flow across the out. Hence, If I = fix)

-

1

T

