Hw #6-due 11/13/Sun midnist
TICO -> 1 /ROCARAZ
LCS -> 1. <bocaba7< td=""></bocaba7<>
Opt Sab Property ABCBDAB>
bottom-cup
Question 1
we wont to find a longest common sequence
don these two. by using a take
How to use table?
Ex A Collin a Noblem IV Streethen I MANORY
Er of Edwig a problem by Structural property.
Question 1. Answers
(i) allocate m+1 by n+1 matrix, where m and n one the lengths of the sequences
(i) allocate m+1 by n+1 matrix, where m and n one the lengths of the sequences. (2) all entries of the first row (for index o), and all entries of the first column (for index o) one filled with 0's.
(3) Starting from the second new flor index () fill in each entry in the new using the equation (15.9) of the textbook on page 395
which is
(F: 17-) of: 1 - 17-1
$\begin{array}{lll} & & & & & & & \\ & & & & & \\ & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ &$
1,370 and 22,475
Which each entry is determined along the way, place a one of the following "marks" in the corresponding entry:
•
-it χ_{i} = γ_{i} mark with "#"
it Clit jil is greater than or equal to Cli, j-1, mark with "A"
-it $\chi_i = \gamma_j$ mark with "#" it $CLi+jJ$ is greater than or equal to $CLi+j-iJ$, mark with "A" else mark with " \leftarrow "
(4) At the end of the construction, thate the marks" sharting from c Em+1, n+1].
the one a possible marks recorded

a) # > two letters one identical
b) "A" -> we need to look at the one right above the current entry
•
c) "L" -> we need to look at the one right next to the count entry (to the left)
<u> </u>

table C

1. Conservacion of the table c - and vow, and vow, and the "marks" from c [m,n]

2. trace the "marks" from c [m,n]

A 4 - in this grouple

Oll knapsack problem solve by Dynamic programing by cosing a taske n, v, w			
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