

## Subsequences & Doubt Clearing Session - LIVE

Special class

Rec/ DP

Subsequence

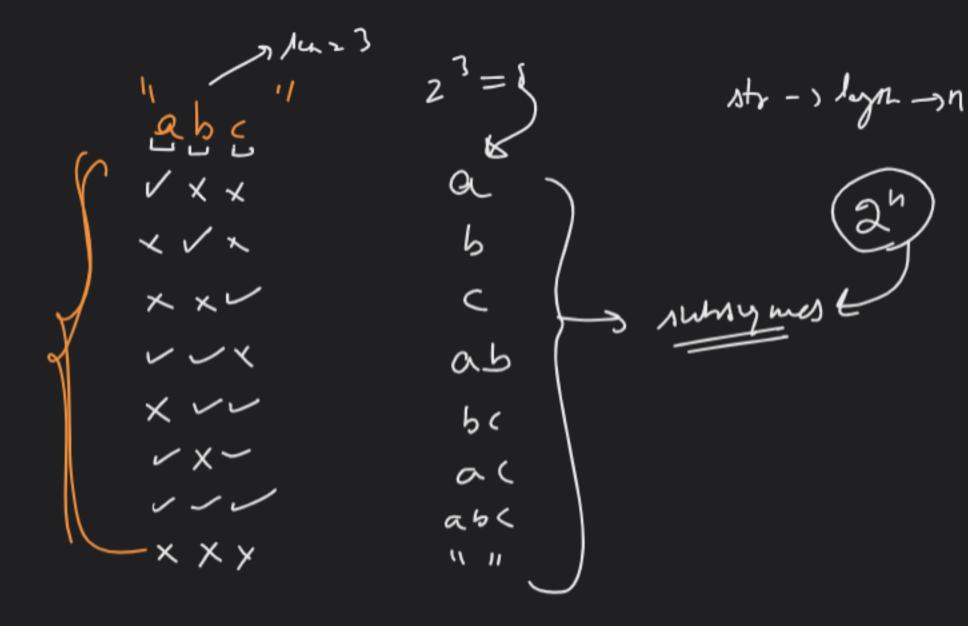
Subsequen Longat La. Subsignences Variant - Loget 60min Sussqu 10 loyer Animatic Subsymme Carian D'hthrit Substitutions

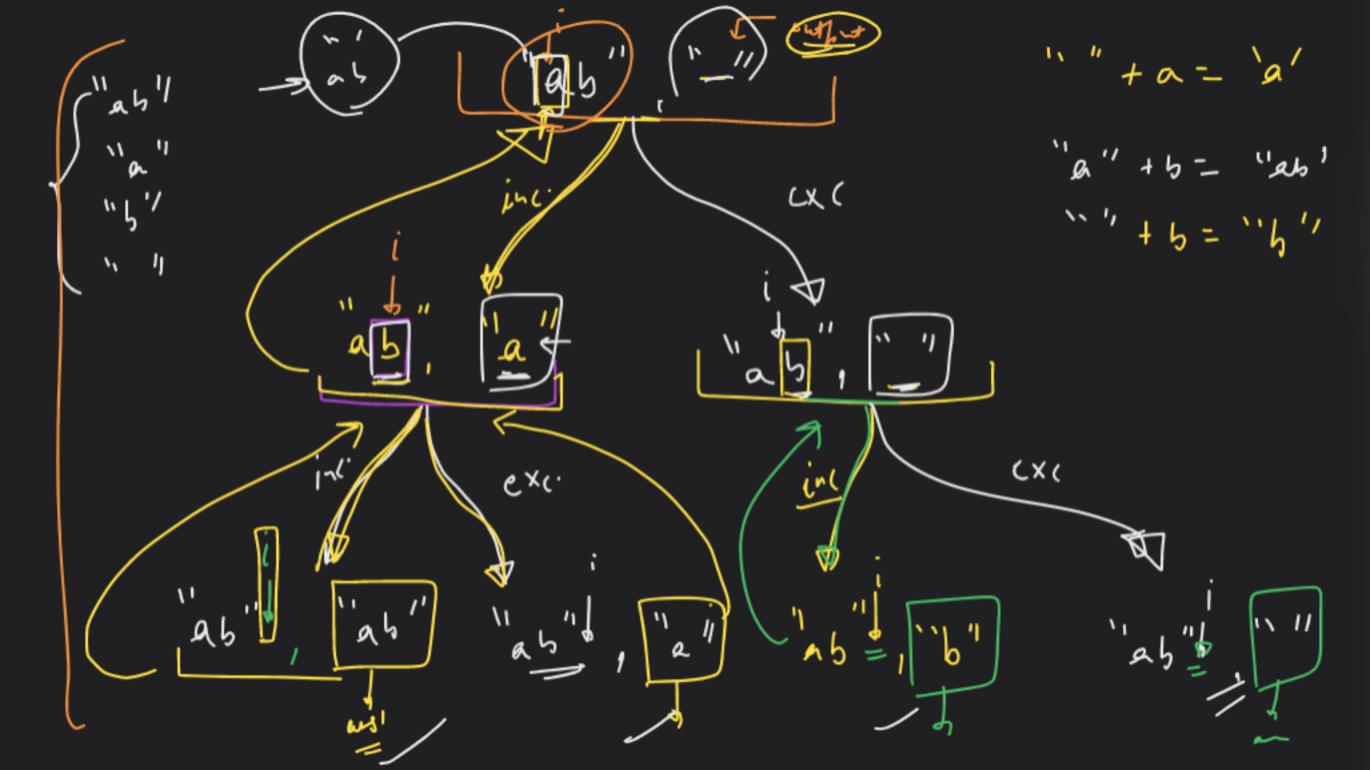
-> Subsequences:

abode"

relative ordery

Ca

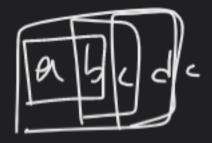




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Solu ( ston i q output)

[ 1/ D.c | if (i= z ston) stone /print return;
        John ( str. it, output + str(i));

1/2(
John ( str. it, output);
```

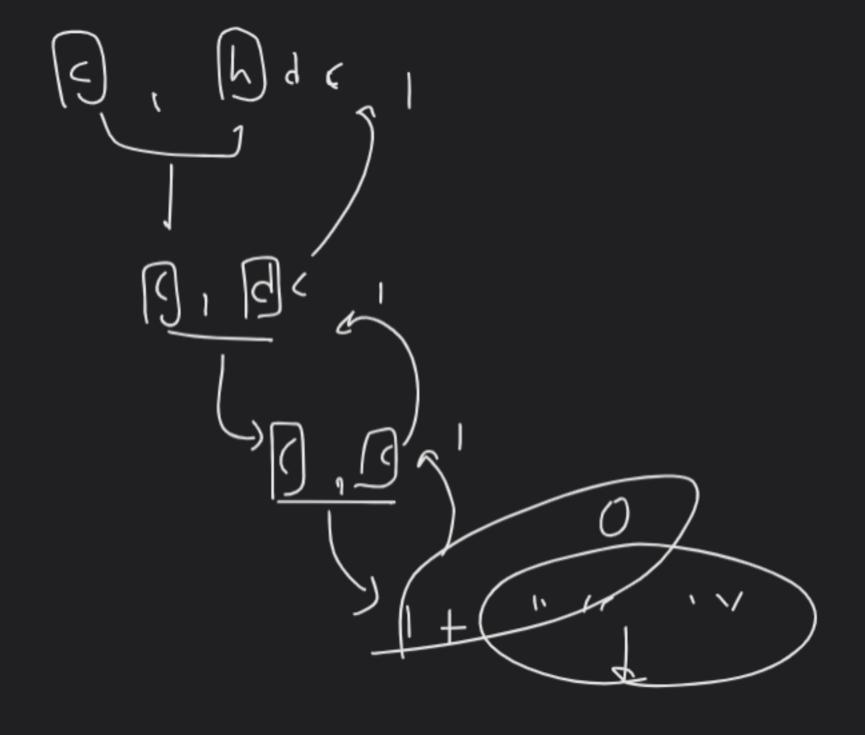


a III me if on in a subsequence of b a = "aby"

b = ahbydi 

12 if (8(i)= notur dn 101- (i, j+1; - - -);

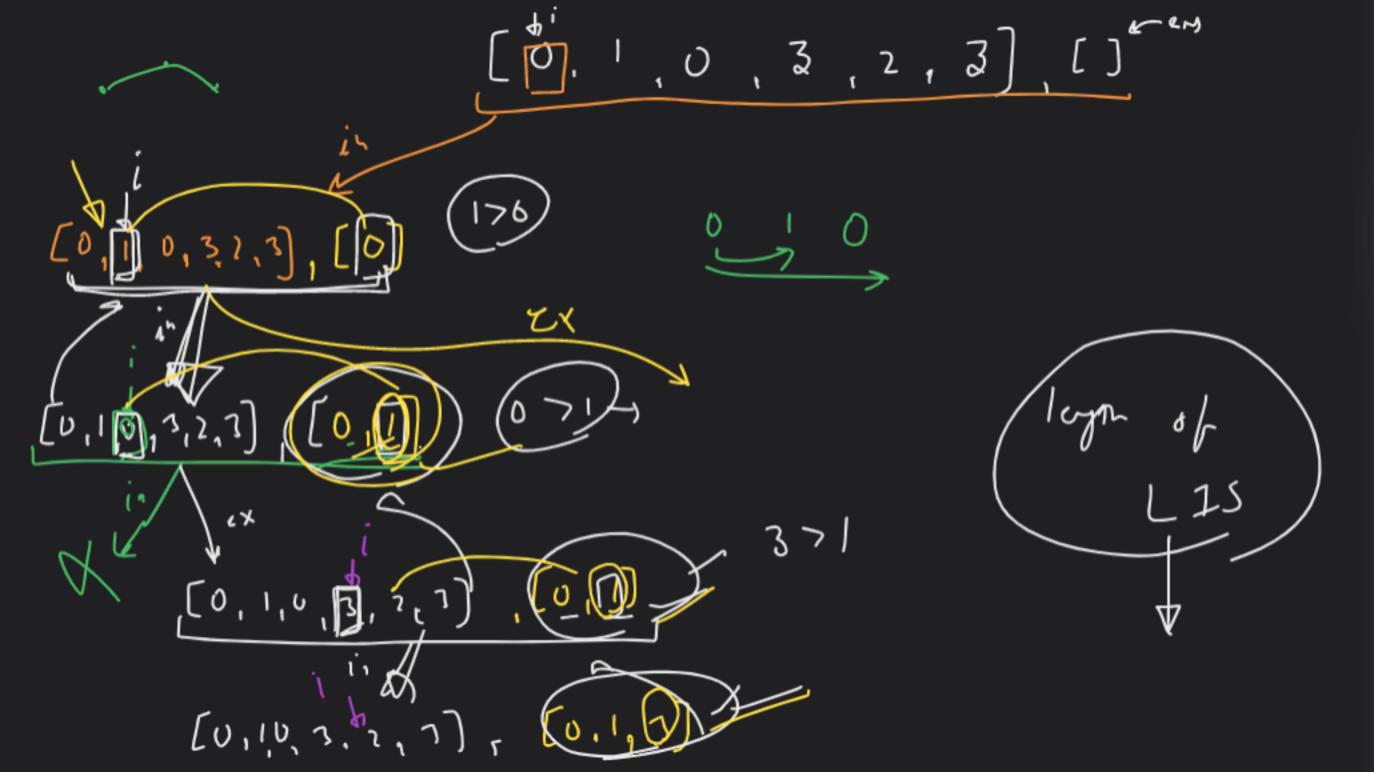
(abc) " ag bhdc if (au == s.lync) rohe true ge by grace ch ret falr'

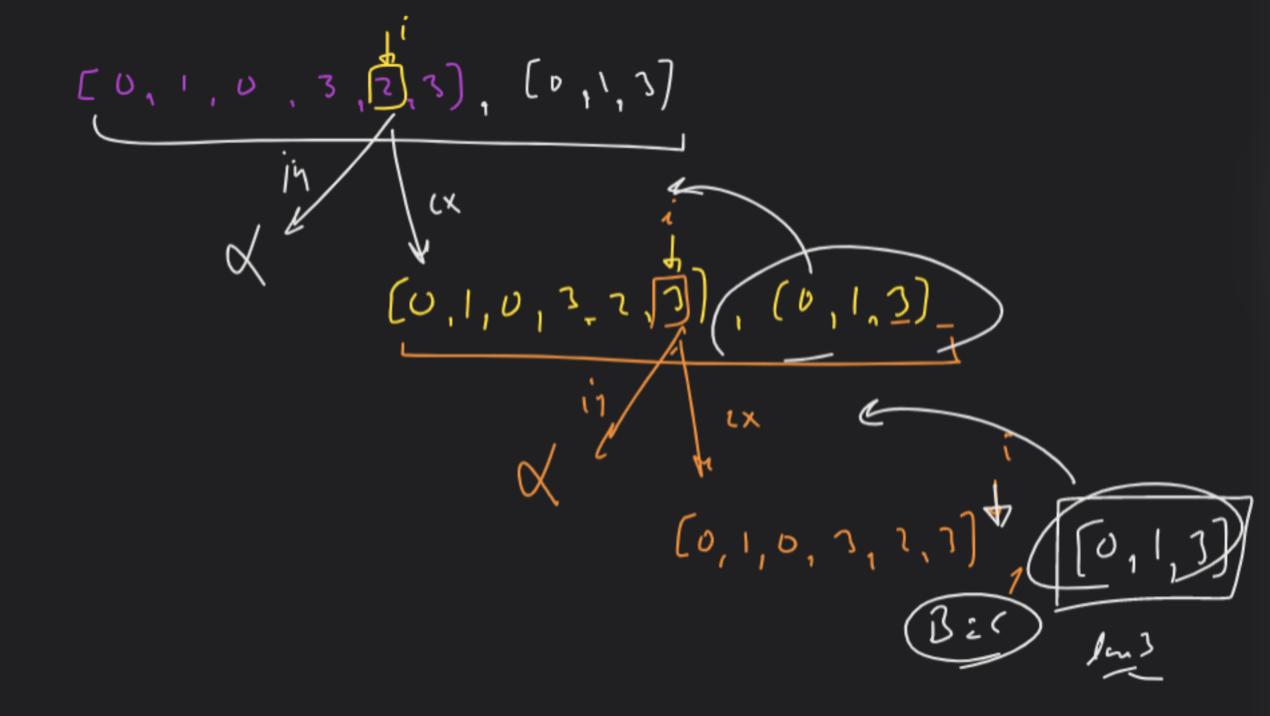


Ma Bba - Ba abc ah bgdc"

2 Longest Increasing Oubsequence)

2,2  $\int_{N} \left[ \frac{0}{\sqrt{2}} \frac{3}{\sqrt{2}} \right] \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{2}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2$ [O, 3, 6, 7] - I.S [1,2,7) [3,6,7)ro, 1, 6, 7] [0,1,2,7] (O, 2, 7) [O,(,7)]

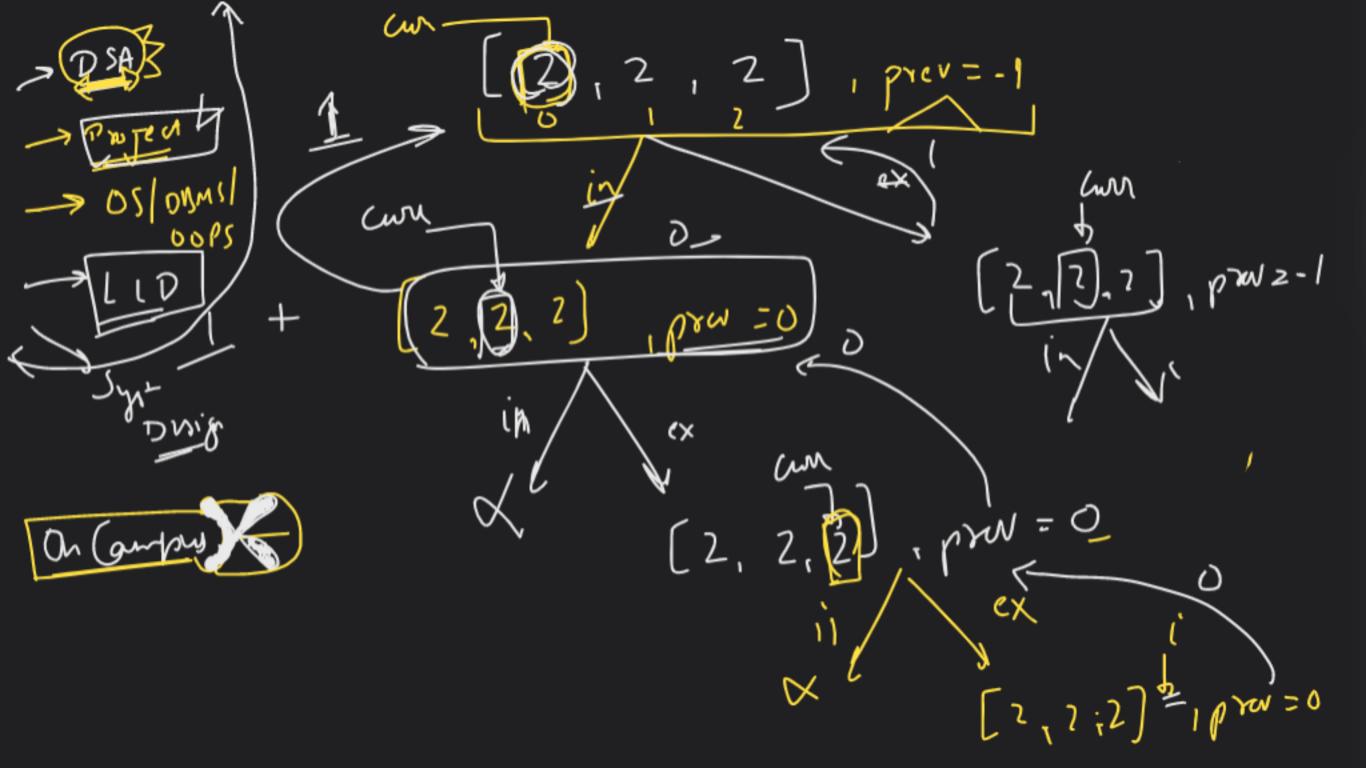




include Ulumut, Lun domat 1 ms (mrs) > ar (bras)

ind // (prw = = -1 | arr [mr) > arr (prw)) 1+ 10he (mn+1, jurs) Mixalace
solu ( worth, prod)

takes It solve (our, n, aun+1, aun) height of trez

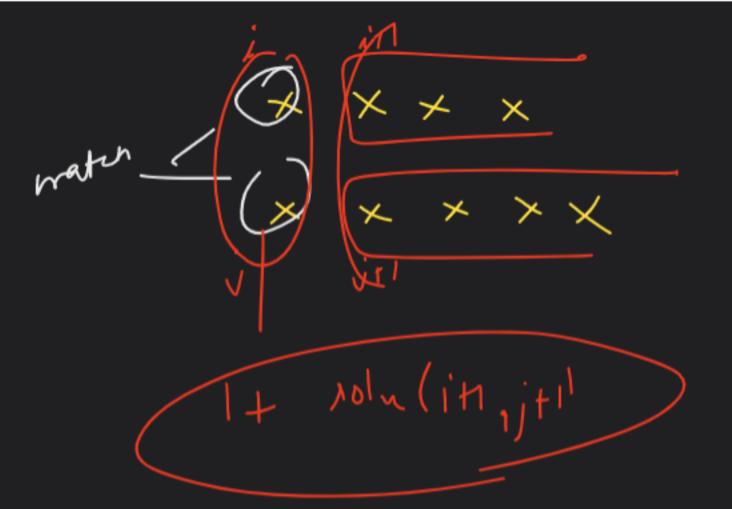


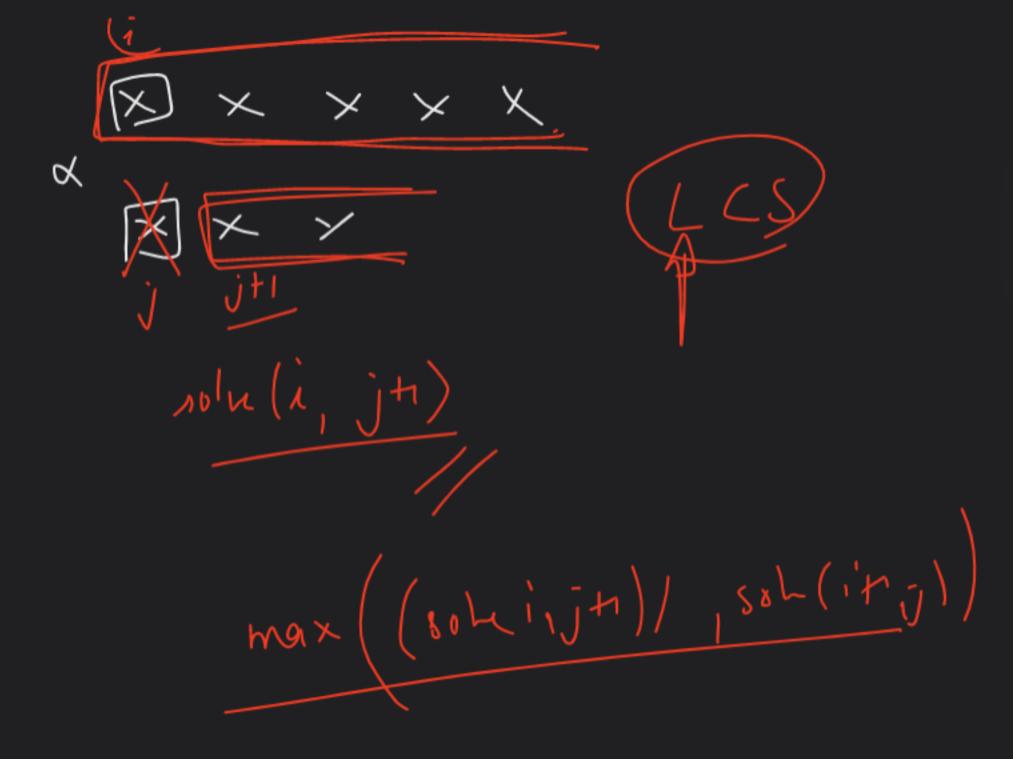
(0,1,0,3,2,0)

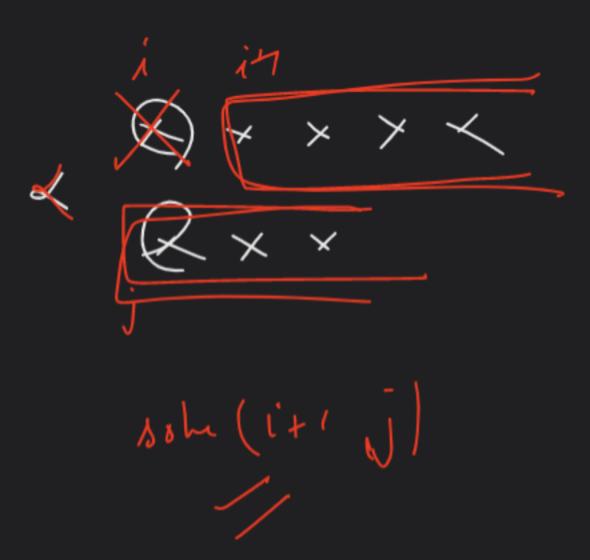
2 Longut Increasing Sunsqueen (>) > 1100 ) (Varjayts (LIS, -> with different s/v a gracut donat (1) (1-2,-3,-9)

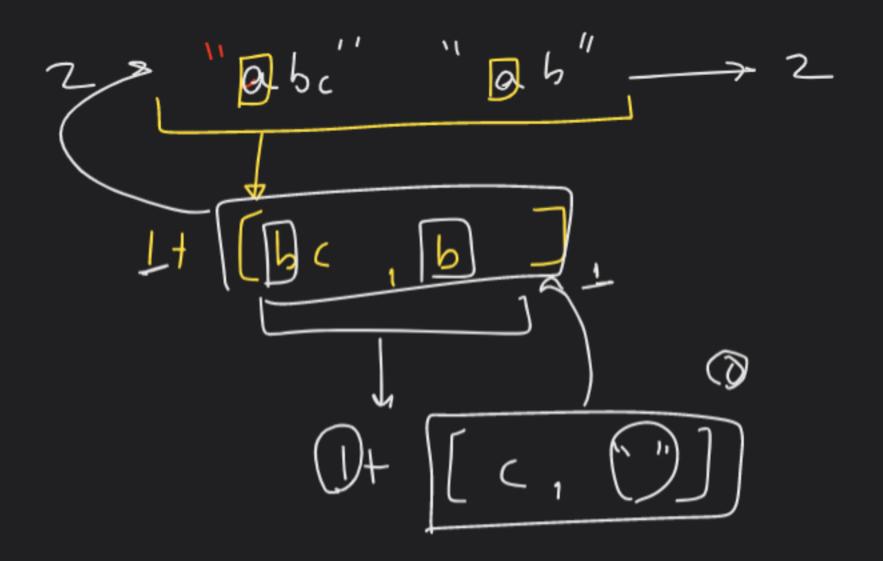
Common Subsequence Longat nyco めょっ χĺ 50 a( abc ny c Yyyy X x

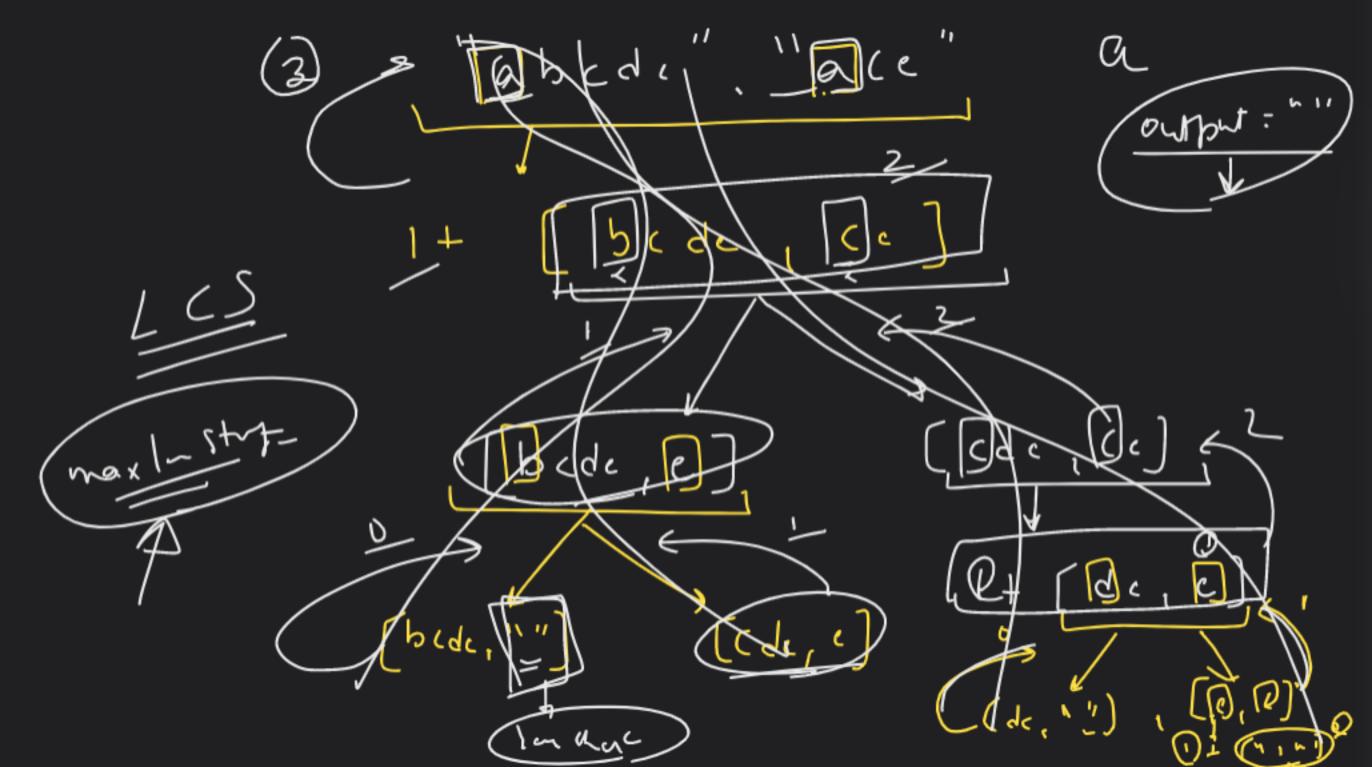
3+11 - 10 bcde str = jake if (sh[[i] = = str2(j)) / neth ans = 1+ [solu(itijti)] De de elsc anz max (solu(ijh) solu(i+1))





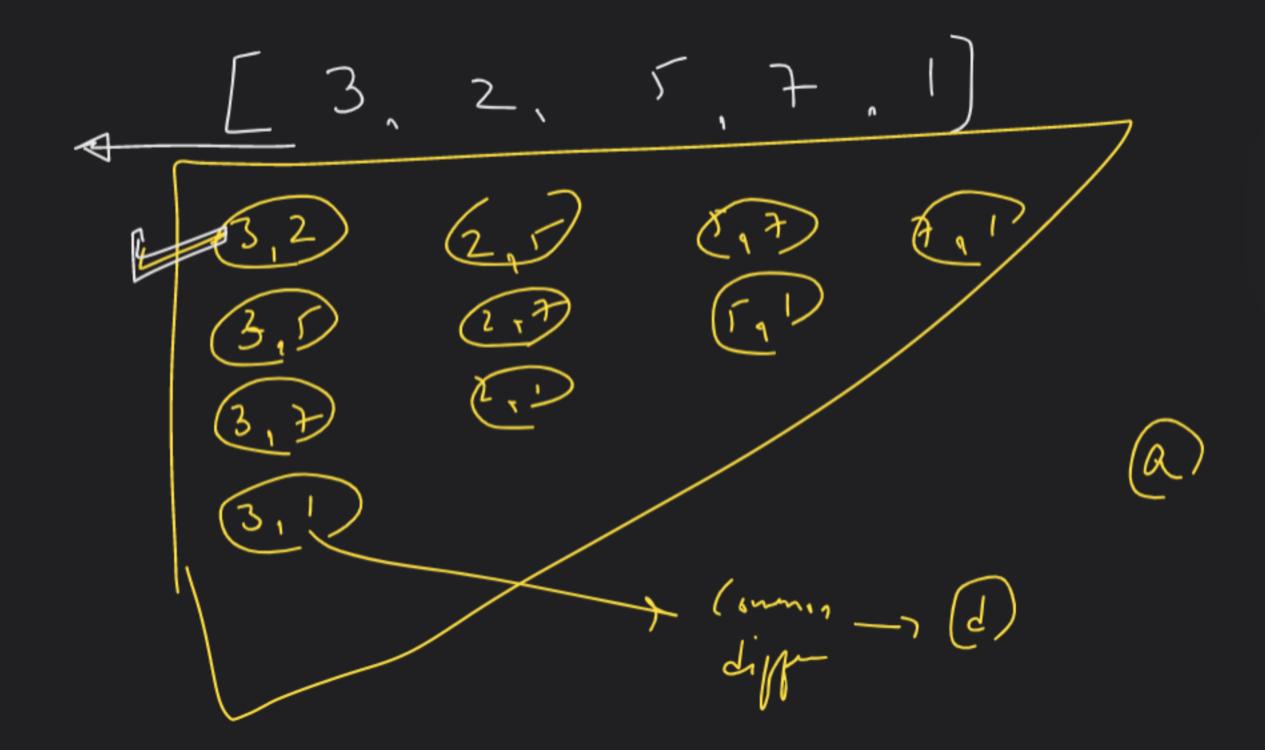






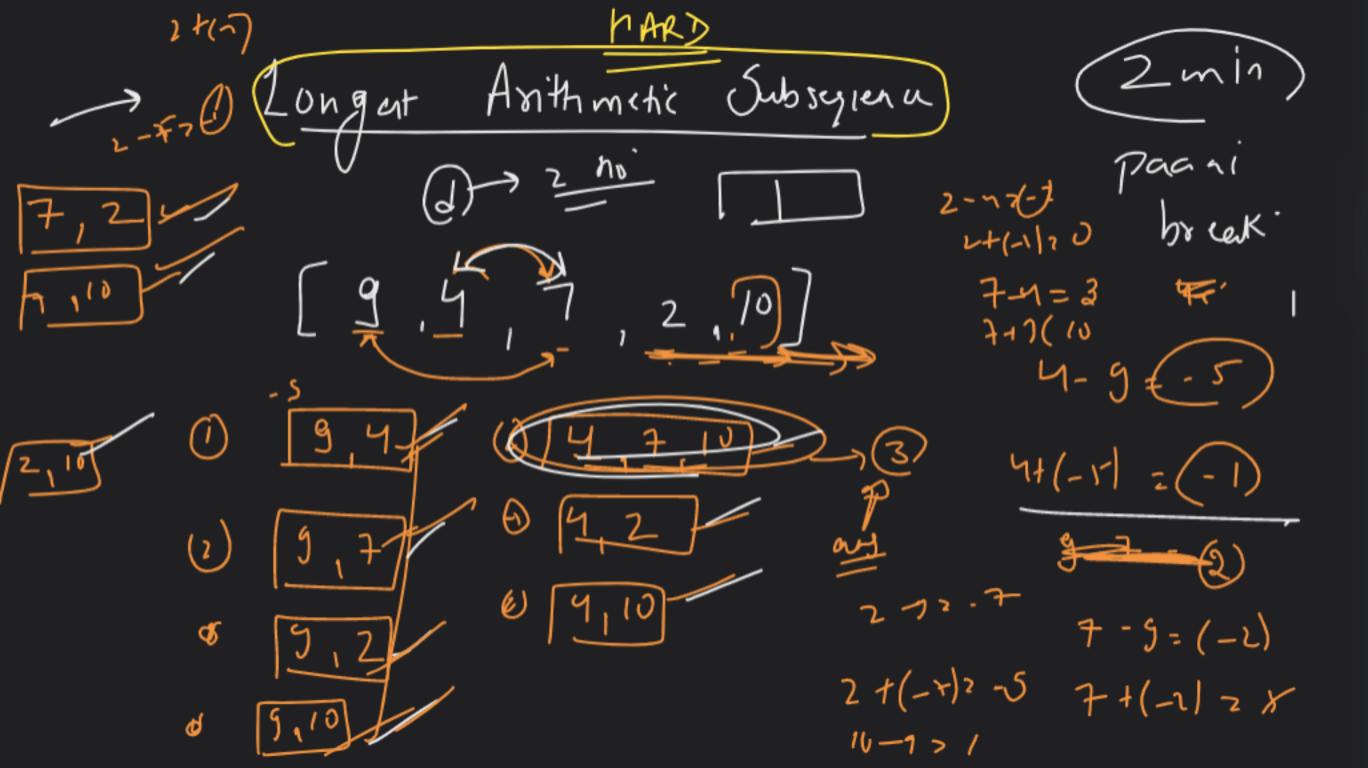
angt?

Long at Arithmetic Subsequena Arithmeni Progrant i/p -> [(9), (4), 7, 2, 10] # wohre - find ell A.P ryman get m. l. jut



 $\frac{A \cdot P}{1}$ 

a, atd, at 2d, at 3d, at 4d - - -



$$\frac{1}{2} = \frac{1}{2} = \frac{1}{2}$$

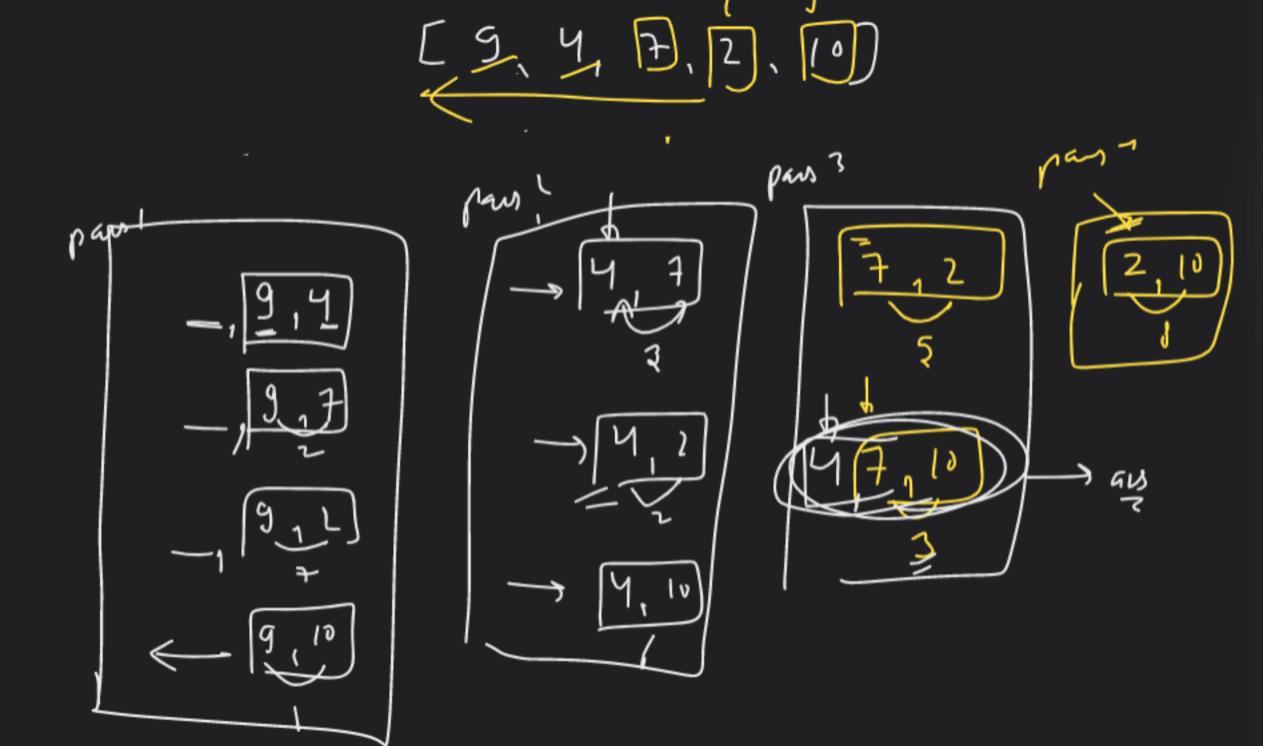
$$\frac{1}{2} = \frac{1}{2}$$

$$9 - 9 = -5$$
 $9 + (-1) = (-1)$ 

for (int i= 0; l(n; l+1)

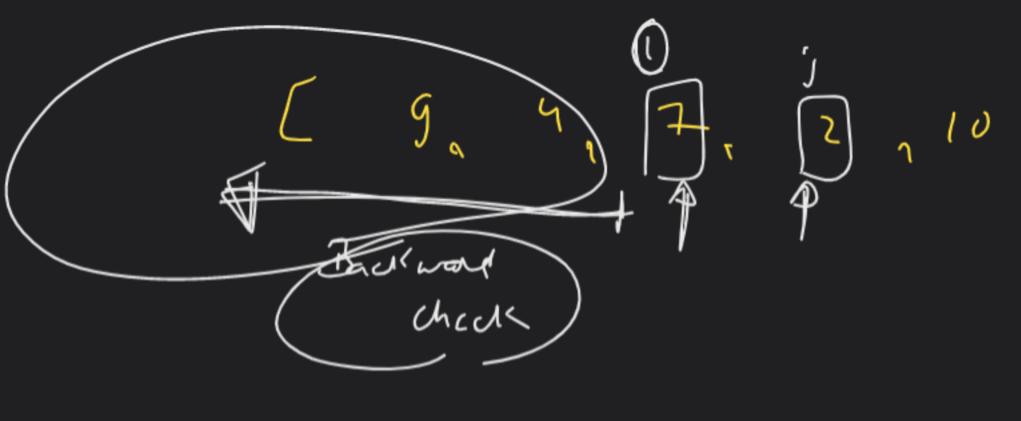
for (int j=. it); j<n; j+1)

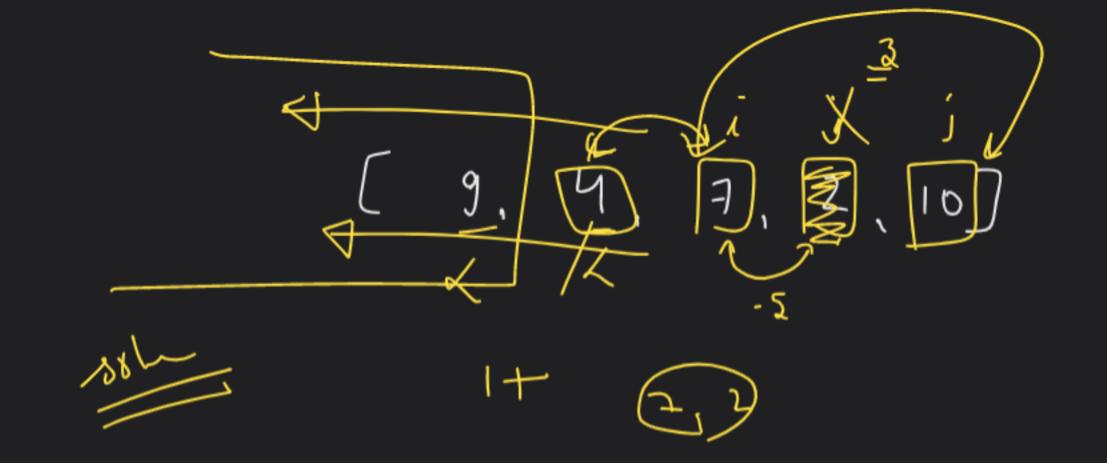
<u>}</u>



int 0020 for ( int 120; i<n; i+t) for (in ]= i+); j<n; j++) Liff - A Lj ans = max (ars, 2+ solu(ijidile))

deture 645;





(di)

(LPS) LAS with diff 1/2 Distinct Subjection -

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