

Foundation Course on Data Structures & Algorithm - Part I

Love Babbar • Lesson 11 • May 5, 2022

Yes ir No Binary Swirch 4 => last in a norted find an element ((+2 /h > ~/4

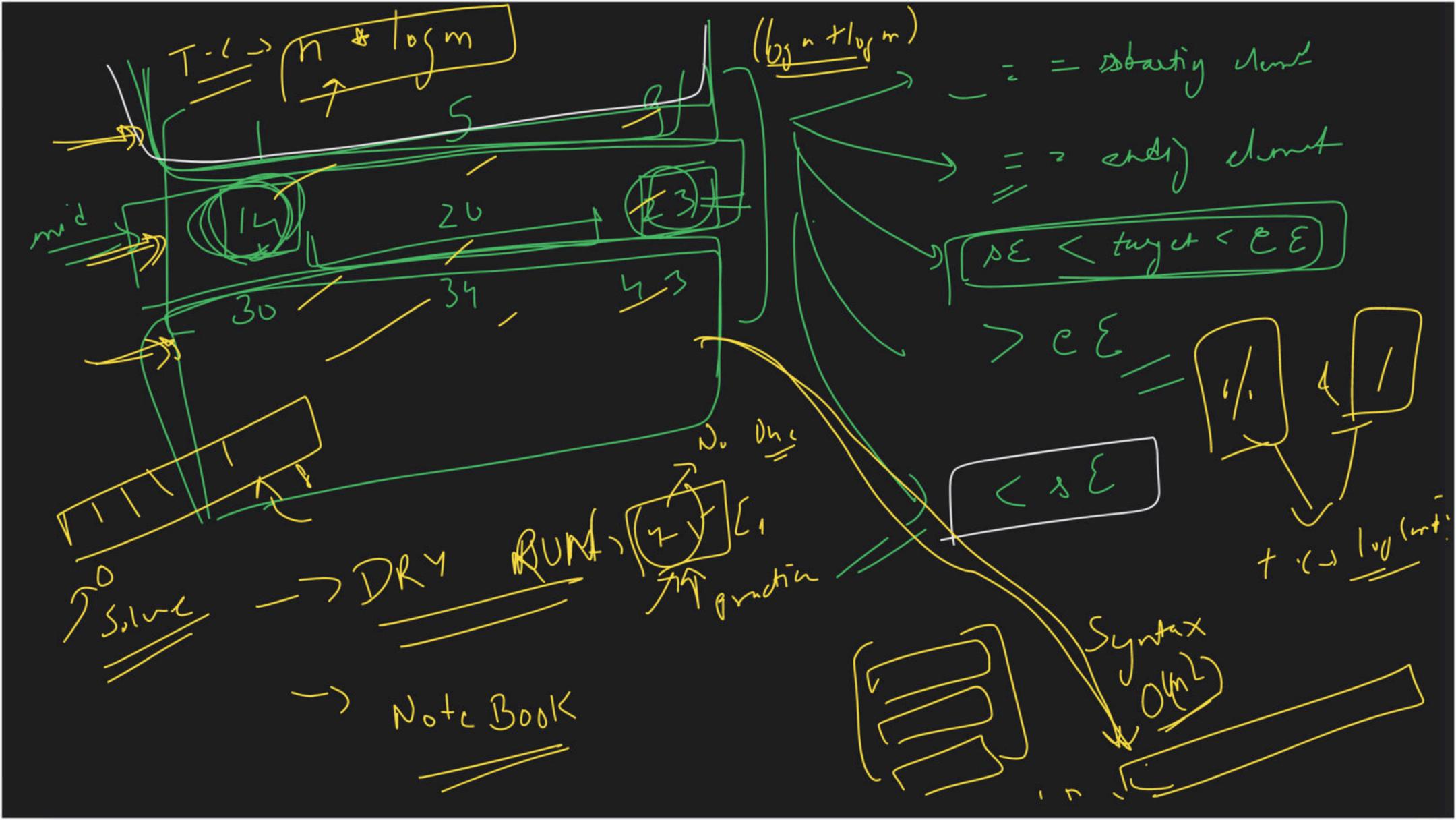
-5 1721 3174 Y) 18 rue BOOK MIO ANY 10M 10 Tha Pair lat YOW dunu grow -> s'aut] promon on main

try 4 - 21 1 20 21 14 20 21 34 49 T-(-) ()(n) for (int i=0; i<n; i+t) But Cont < 3 < Ci < cont for (int j=0; j<n; j++) com (("j" ccj ((med) il (aur (i) (j) = 2 tyl) cont << Iz(~ 'z < j') 500,1,1, 3 cont < (J 10. 1 Ends Liv 1

3 3 3 3 4 43 so she mon - mine rst rrcn rrcn tweet = 20 [1.(-) 0 (logn + logm) Agit first find row in which humber may be prosent rows - n if found, apply Binary Search Bis dear on that now to find target

Sono - \sim (16) n + 105 m)

try v = 20 11 0(mtm)/ flow to Mind that sow 3 0 (T) 5 g mens ->v c ~ 2 [3, ~ 34 (43)] >= 0 e=n-1 5=0 C=1 -1 min 2 6-12 7 1 mid = st (<u>c-s</u>); while (1<=0) (1) -> compare startily element of now (tung it < end) [Junt] Jappy B.Son Whaten for min

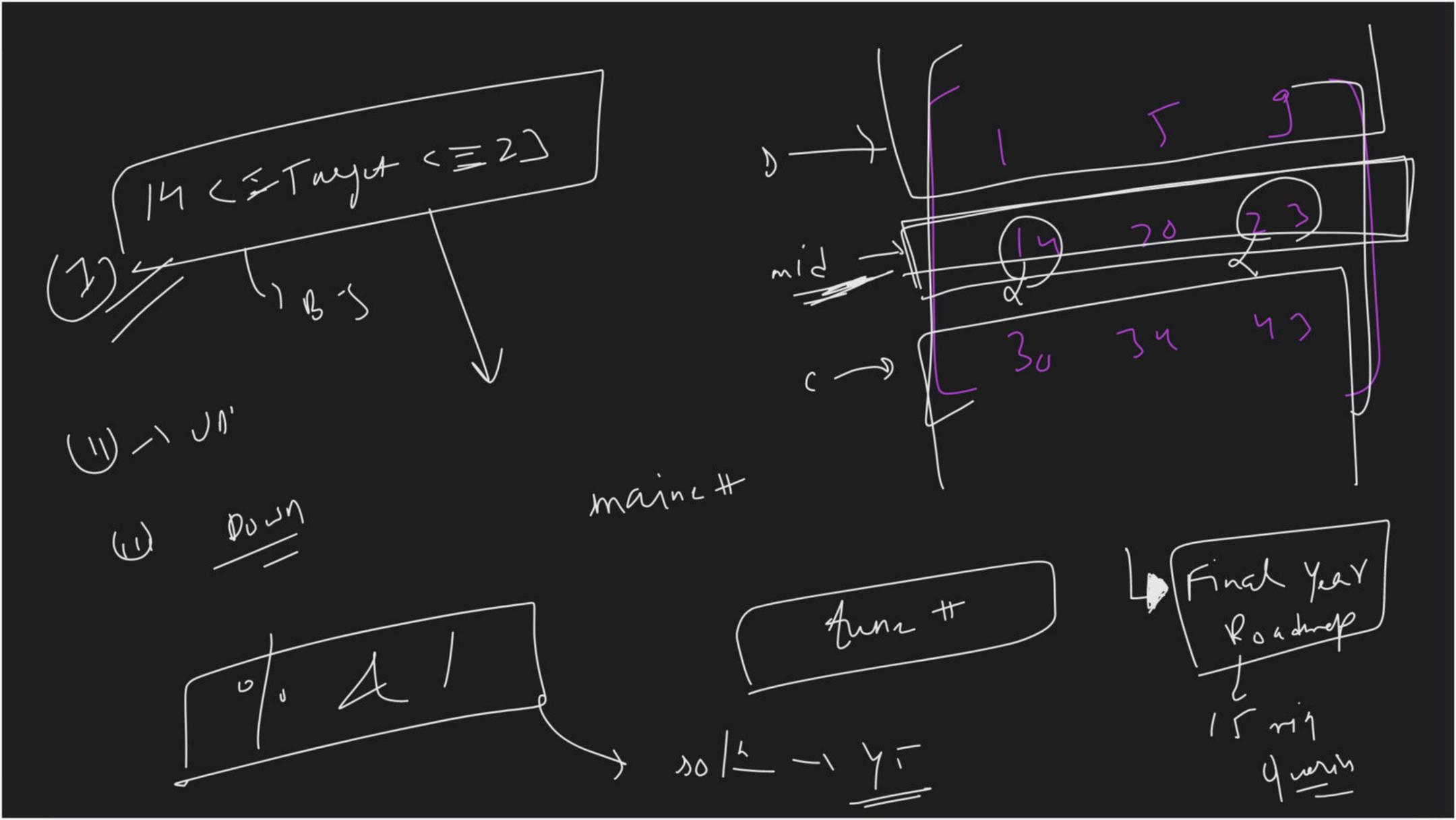


twigt = 30) Cuthin (1) > Upper last Jower RAT 39 39 Tow K ander $\frac{1}{\mathbb{E}[10]^{n}} = 10^{\circ}$ 10/m x h / 2122 2 1100 YT-120 (1) (SE <= TARCET EDC 50 (mah) 2 (Toj m + (ijn) > IT

 $\frac{\omega}{3} = \frac{11}{12} = \frac{10}{10}$ $\frac{1}{10} = \frac{1}{10}$ $\frac{1}{10} = \frac{1}{10}$

(j)
$$76w - find mt$$
 $8 = 0$, $C = N-1 = 3-1 = 2$
 $C = 2$
 $Mid = (6+2) = 1$
 $A = -3y \rightarrow F$
 $A = -3y \rightarrow F$

-> (30 = = 37) + F =34 +1 F Now = 34 1=0, e=2



To Direy Scan 4 hari Root of an Ivrgin Low Jave on (row) [mid)

Jen L 2 grading > Entroniano 7 16 Q W Lecthod tage Thong Stand If gul-(32, 1 M, 11)

Next der si phe H/w

atlen! (1 Auha/Tayde) Project T-C Interview Bit gren -> retreatles Median in a roma 22 Am

 $\rightarrow \left(2+2\right) \rightarrow Why hot?$ -> 10 Qms ->/ Diper Bound LOVED multiple pains # 1 Nwh home Jours Jours Jours Jours Sund 7#3 [1/6] 1/1 x = 1

DBMS -> They 30 May -=

