Plan for Week

Monday, 16 August 2021 10:32 PM

17th August 2021

Recover B8T

Construct BST from level order

Serialise and Deserialise N-ary Tree

It. Serialise and Deseriduse Binary Tree

It. left View of Binary Tree

Riged View of Binary Tree

19th August 2021

- 1. width of Shadow of Binary Tree
- 2. Vertical order traversal of 8-Tree
- 2. vertical order traversal of B. Tree-II
- 4. Bottom View of a Binary Tree
- Top View of a Binary Tree

218t August 2021 (Morning)

- 1. Diagonal order of a Binary Tree
- 2. Déagonal order of a Binary Tree (Anti-chockwise)
- 2. Vertical order sum of 18 Tree
- 4. Diagonal order sum of B-Tree
- 5. Node to noot path in B. Tree.

2187 August 2021 (Evening)

- 1. Iterator J Genenic Tree from LL 3 BST 8 terafor -2.
- 2. Inorder Momis Traversal
- 3. Pre Order Momis Travelsal
- 4. Post order Momis Traversal

24th August 2021

- 1. Root to all leaf poth in Bit.
- 2. All Single child in B.T.
- 3. Count of single child parent
- 4. All nodes distance KmB.T.
- 5. Burning Tree

26th August 2021

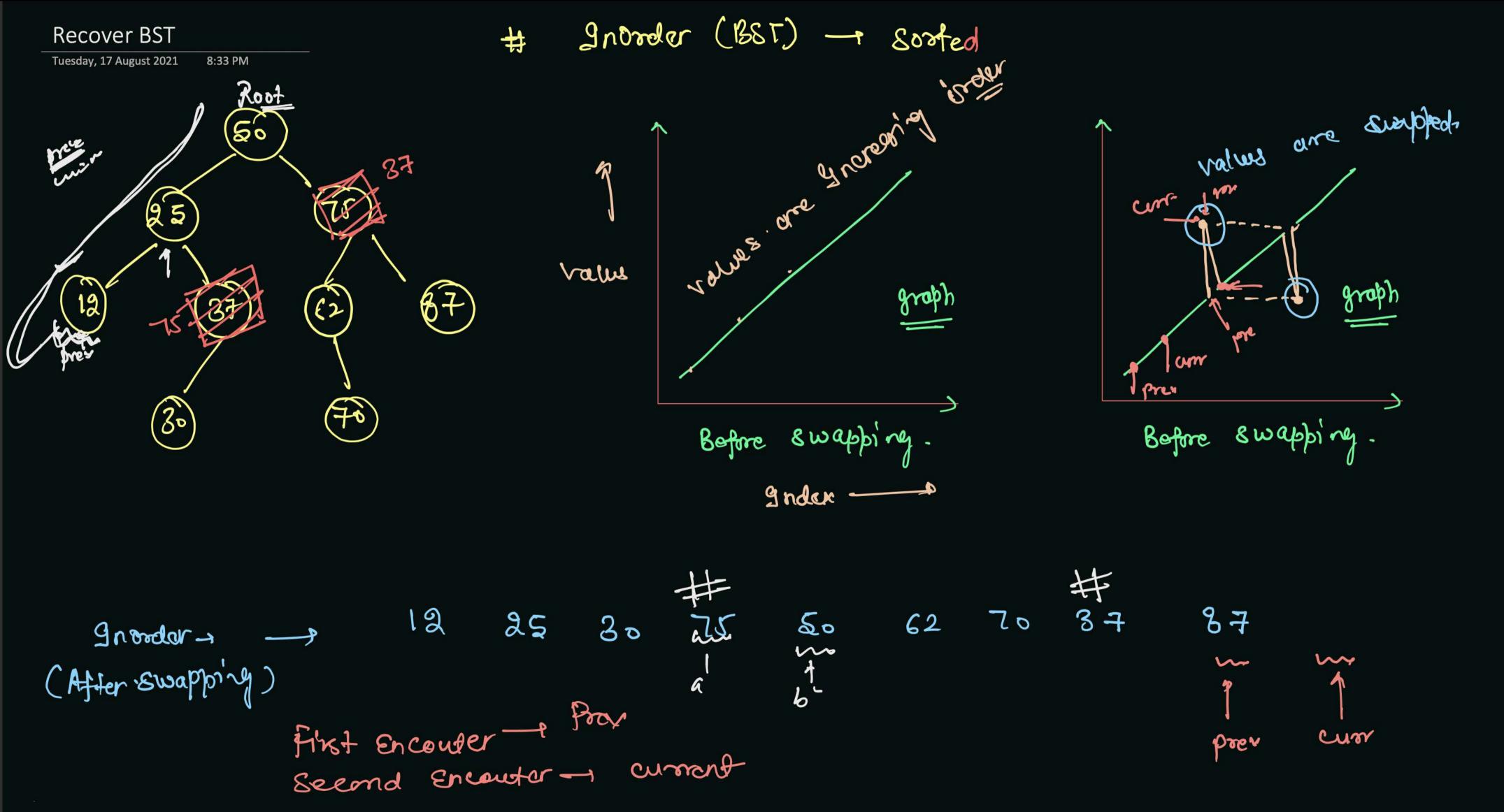
- 1. Burning Tree 2
- 2. max-width of Binary Tree
- 2. Convert BST to Doubly LL 4. Convert Sort ed DUL-to BSI
- 5. Path som in Binary Tree

28th August 2021 (Moming)

- 1. Poth Sum in Binary Tree 2
- 2. Diameter of Binary Tree (All Methods)
- 3. Maximum poth sum in B/w two leaf
- 4. Miscellen eary

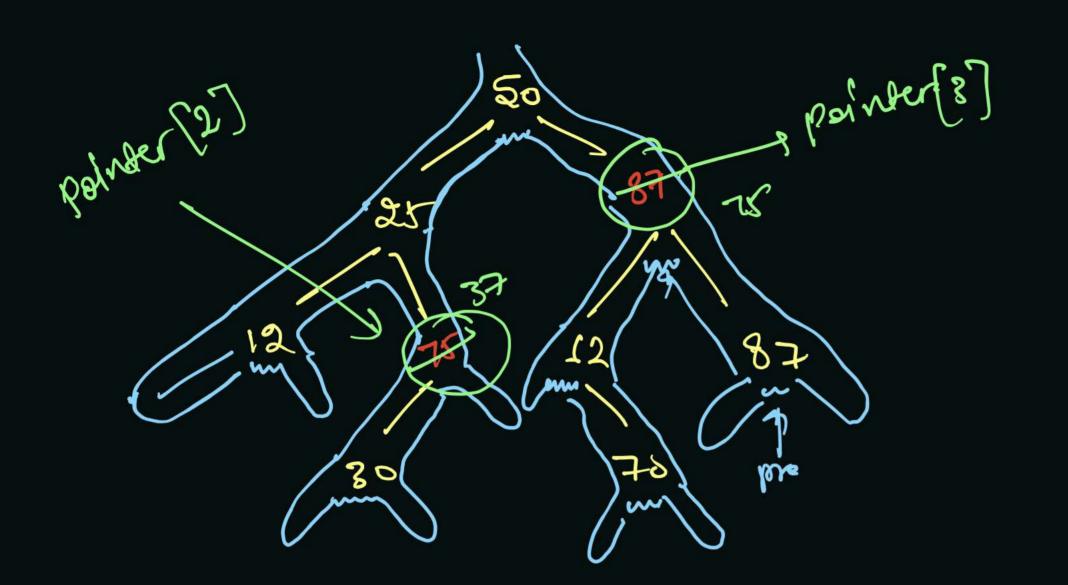
28th August 2021 (Evening)

- 1 Maximum path sun of 8-Tree
- 2. Posth sum Equal to given value
- 2. Lowest comon ancestor of B-Tree
- 4. Miscellene ou



First Encounter just adjacent Element are swapped-- problem will encouter 9norder-1 37 30 12 60 if (cum < prex) { prex cim iff b == null) } (b) o censurce How to marage prex and cum??

> 9n (reder fraver) 3 elses ocumente, 11 Sécond 5= cm

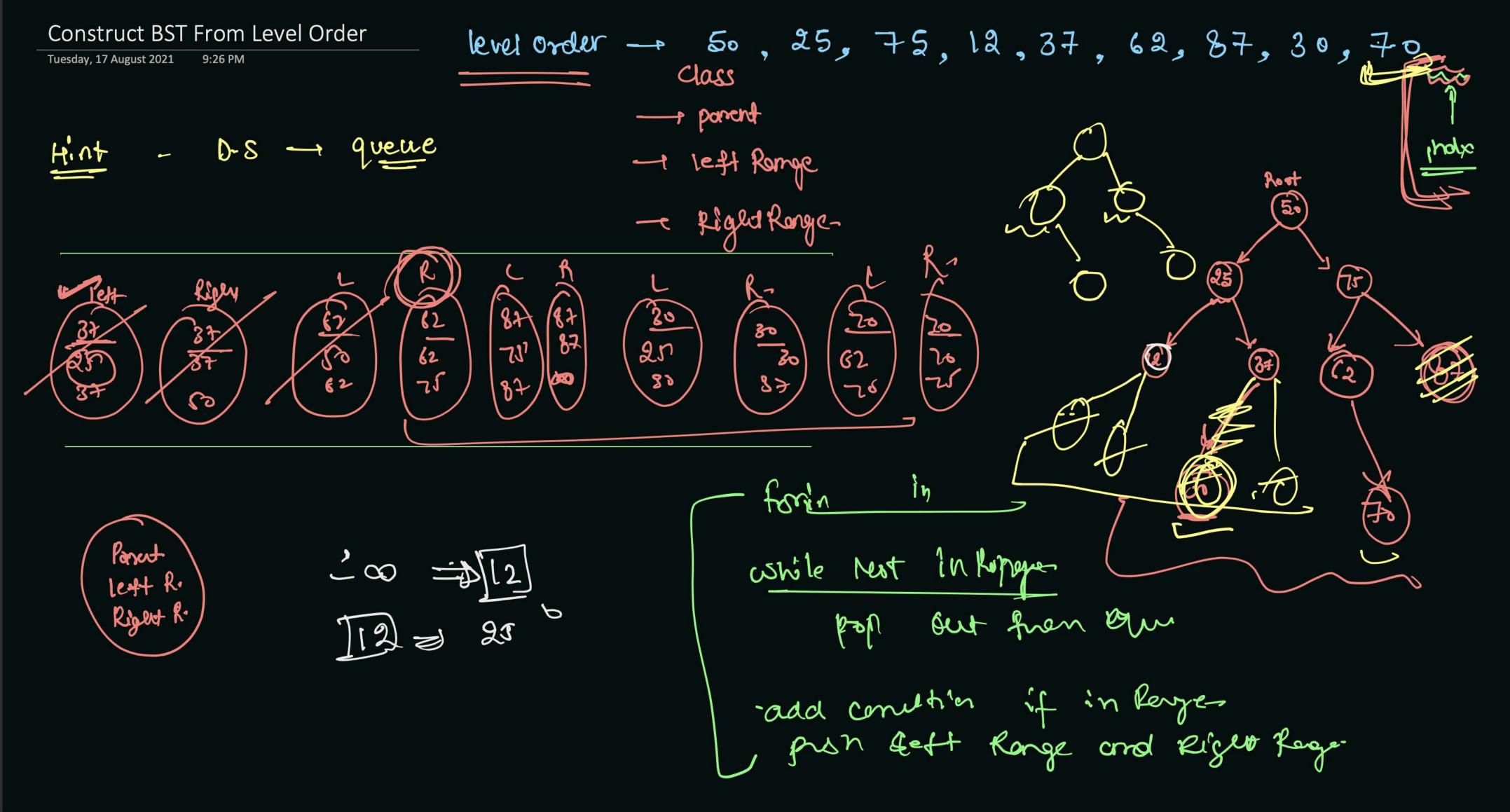


9 n Breal

pointen[0] = prex = |x| = |2|2|3|6|3|8|6|3|4|8|7pointens[1] = |x| = |x|

Desta Scomps

```
// pointers[0] -> prev
// pointers[1] -> curr
// pointers[2] -> a
// pointers[3] -> b
public void recover_Tree(TreeNode root, TreeNode[] pointers) {
    if(root == null) return;
 recover_Tree(root.left, pointers);
  if(pointers[0] == null) {
        // prev == null
       pointers[0] = root:
    } else {
        pointers[1] = root;
        f(pointers[0].val > pointers[1].val) {
            // prev > curr
            if(pointers[3] == null) {
                                         be == hours ||-
                  first encounter
                pointers[2] = pointers[0];
               pointers[3] = pointers[1];
                // second encounter
                pointers[3] = root;
        // move prev and curr
      __pointers[0] = root;
    recover_Tree(root.right, pointers);
public void recoverTree(TreeNode root) {
    TreeNode[] pointers = new TreeNode[4];
  recover_Tree(root, pointers);
    // swap value for a and b, i.e. pointers[2], pointers[3]
   int temp = pointers[2].val;
    pointers[2].val = pointers[3].val;
    pointers[3].val = temp;
```



Binony tree

| 10 25 12 rull rull 87 30 rull rull rull 75 €2 rull 70 rull
| null 87 rull rull

rootz

87-862

75-28/2

50, Ø X2

while (indx < amilyth)?

if (st. peels(). State == 0) {

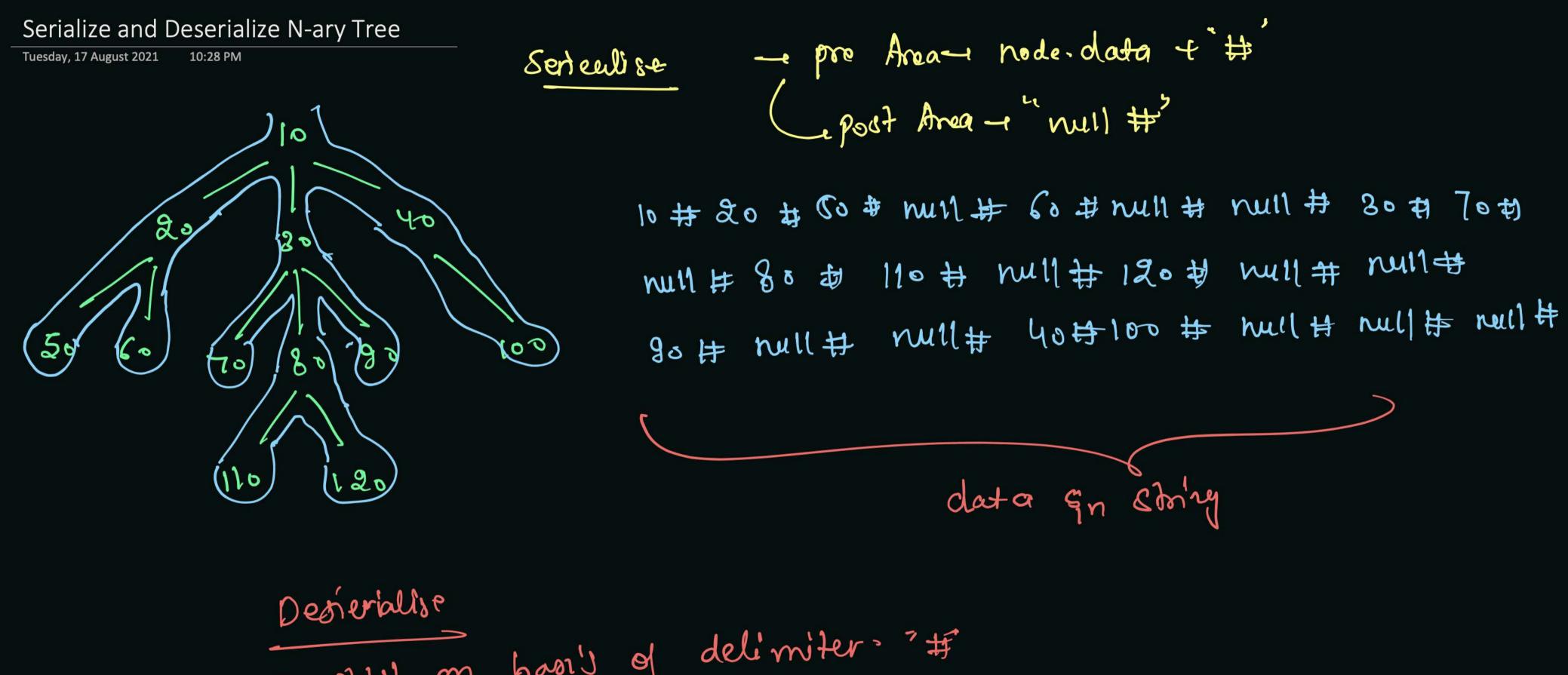
I null node left om

8 moves

8 total

Jelic if (state == 1) {

Jelse j 11 St-Joop 10



1) oplit om bassis of delimiter. It 1) oplit om bassis of delimiter. It 1) use greger parse got and solve also monge nuis 1) Return root. Genenic Treenul ny 11 40 30 null 20 10 ~ 10 w Boek have 20 no childre 40 (0 50 3(3 (2º) Bo

