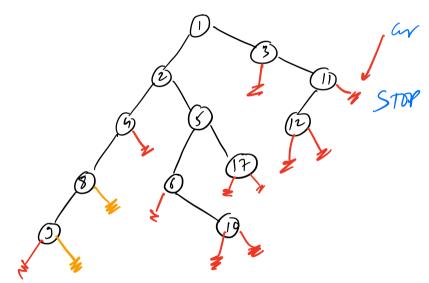
Inorder Traversal

TC - O(N)

SC - O(H)

MORRIS INORDER TRAVERSAL [LDR]



NOLDET: 9842610517131211

9 8 4 2 6 10 5 17 1 3 12 11

17 is inorder predussor of 2

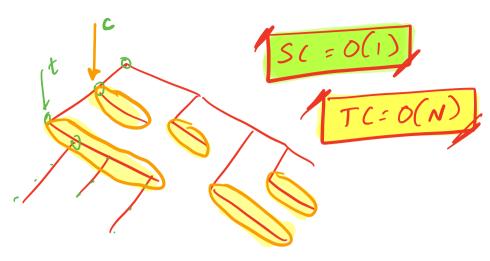
```
void mossis 10T (Note rost) }
      Note are: rost;
      whih ( or != NULL) {
           if ( cor. lft != NULL) {
               Node temp = ars. left;
               While temp. right 1 = NULL & tup. right 1 = cr) {
                       temp = temp. right;
                if (tup. right == NULL) {
                 turp. right = cur;

cur = cur. left
                  else i

tup. right = NUL L;

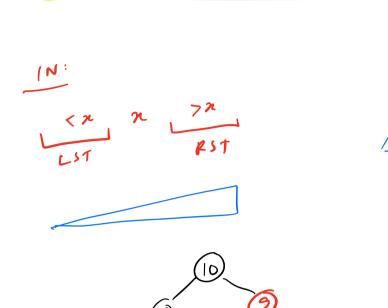
print ( ar. data );

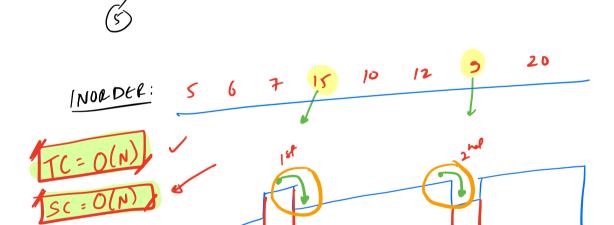
ar = ar. right;
                 print (or. data);
or: or. right;
```

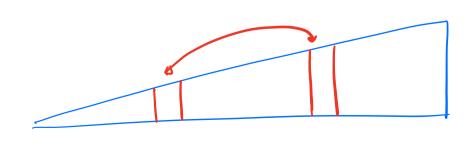


Given a BST after 2 y it's north Law been SWAPPED.
Find thou mols! 7 9 10 12 15 20

FACT: INORDER of a BST is SORTED in INC moh!







Tool involve (Node car) {

void involve (Node car) {

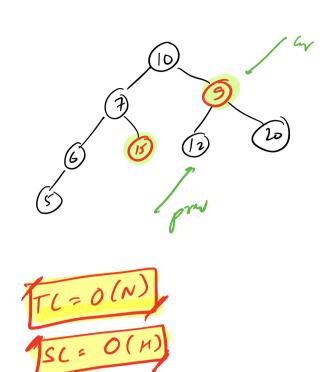
if (ar == NULL) ret;

if (prw > car.date);

prw = car.date;

provdu (ar. right);

}



II Morris

Void morris 10T (Note root) {

Note cur: rost;

Which (cur!= NULL) {

if (cr. lft!= NULL) {

Norde temp = cr. left;

Which (temp. right!= NULL & temp. right;

temp = temp. right;

}

if (temp. right = NULL) {

temp. right = cr;

temp. right = cr;

else i

top. right: NULL;

top:rid (cr.det);

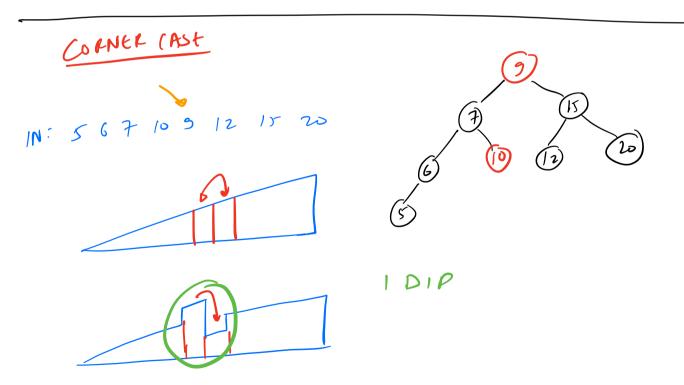
cr: cr. right;

print (cr.deta);

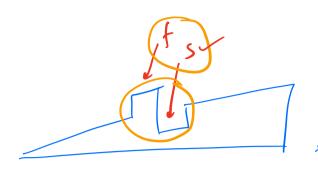
print (cr.deta);

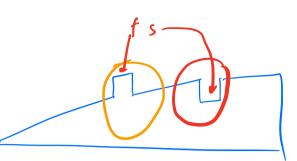
top: cr: cr. right;

solution of the content of the conten



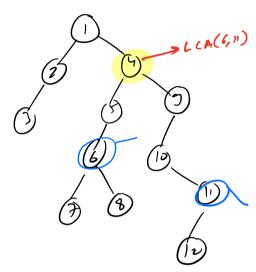
3



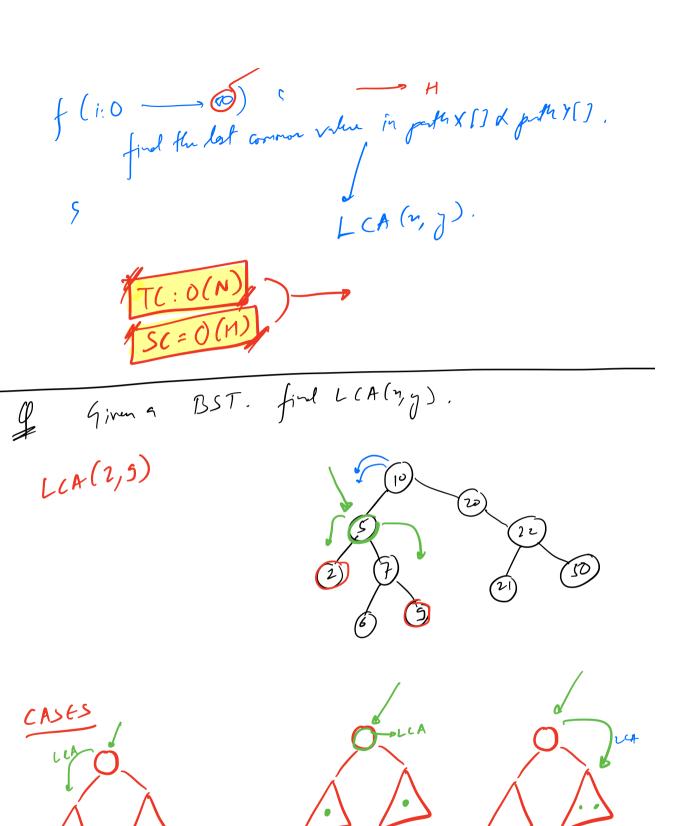


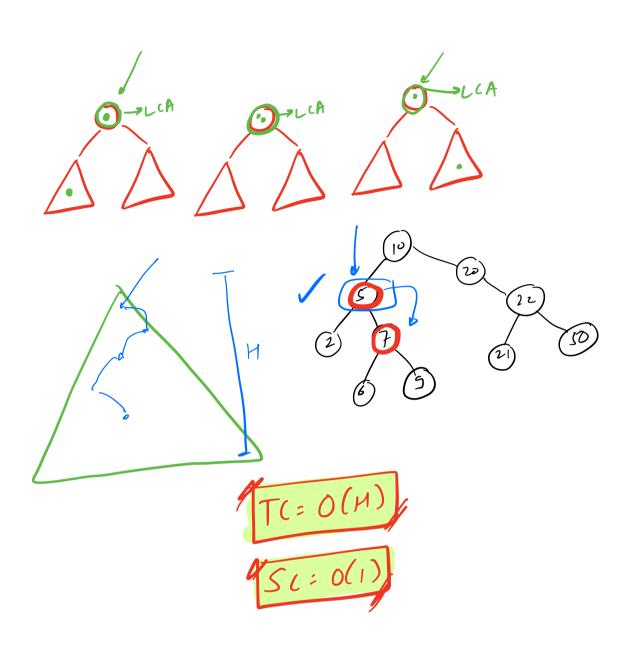
	1		, , ,
•	1 unt	Common	Anustw]
LCAL	A OUPS!		

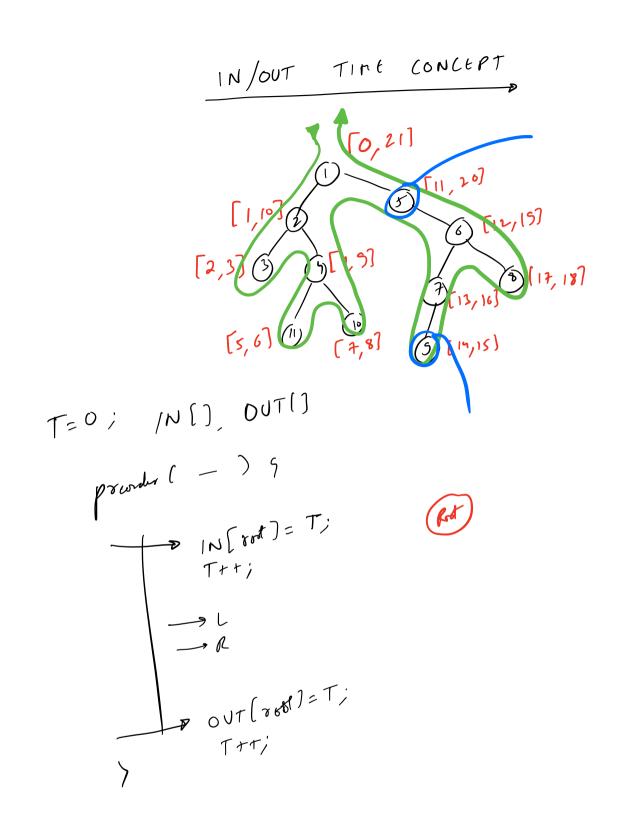
				- 1
10 (0):	11 9.	5,	6)
A (6):				
	1 4	9	10	II
ALITY	1			
	w.	×		

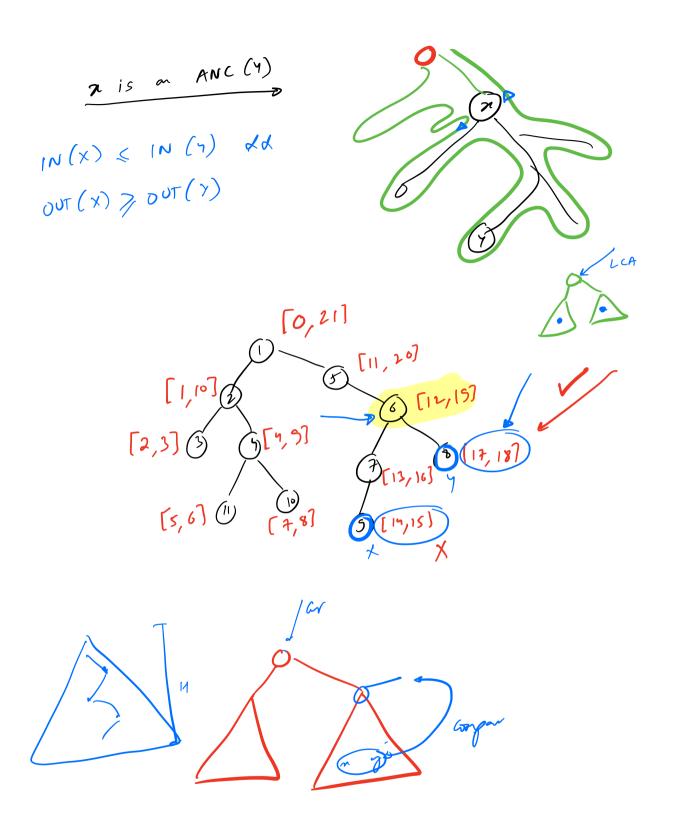


Giran a BT. Giran 2 norts Find this LCA! Idea: find the Anish list of a do. Find the lot common mode! rost to not path. 95673 void gupth (Node rost, int a) ? if (rod = = NULL) set; path. push-back (805); if (rout. date = = n) { prts() - s ANC();} greath (root. left, n); path. pop. back();









T(= O(N) S(= O(N)

TC= O(N+ 9.n) SC= O(N)