PAGE No. DATE Node * build Leec()

Int date; gin >> dela) relieu HULL, Root - left - build Irec(); Root - Right = build Irec(); setur roal; Level Order Traversal Void ful Order Transcal (Node * 2001) queue < Node * 3/9, bush (NULL) while (! g.empty())
{
// nikal Node * front = q. funt(); cont « end!;

q. pop(); if (qo front == NUL) & if (go empty() go push (NULL);
else & cout << 'front -) data << " ". q. push (NULL); // leave children if (front) left !=NULL) To bush (formt > left) (f (front -) sight != NOII) The continued.

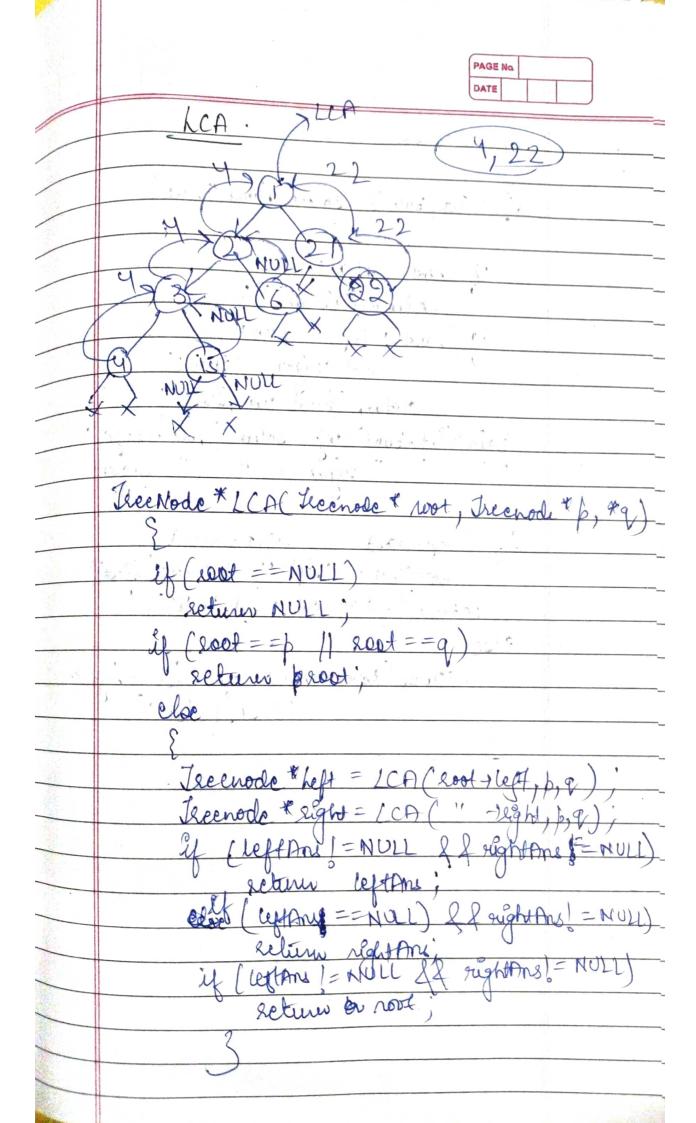
	PAGE N DATE	a
	Est trea reglit of BT-	
	Put height (Node # Soot)	,
	8	
	Sy (sect = = NULL)	
	Sy (sect = = N NLL)	
	in saleting you have	
ue need	des Sufurn 0, refurn 0,	
edges we	height - Hight 2=NULL)
uolo w	neturn 0	
10	int left Ans = helighor (uset -) lef	0 h 1
depth,	Pri Right Drus = height (root -> Righ	
remove	Trans Macroson Paparage Trans The As	0 1
	Return I truax (left Ans, Right A)	rs);
	S. S. Vahula augus	
	OP 1 There had to	
	Diameter of Tier	
	Ret d'ameter (Tiernade + surt)	
	E CONTROL OF GROWN STATE	
	if (soot = = NOLL) return 0;	
1 2 1 1 1 1 1 1 1 1	The state of the series of the series	
	int de 1 = d'anveler (root) left);	
	of no op 2 = diameter (root) eight);
	int ob3 = 1 + delight (root -) left)+
	Define C. 1. C. 100 1000	10)
	return max (op1, max (op2, op3))	
E.	Chaineter (Sort) -1'	

	PAGE No. DATE
	Balanced Irec.
Not	Optimised Of N
	bool isbalanced (Tecenode * sout)
	The state of the s
	if (loot ==NULL)
	Soture true
	the state of the s
	bool leftAns' = is Balance & ("root rleft)"
-	bool besteht Pins = is Balance & ("root rleft)", bool besteht Pins = " right
	bool-diff = abs(neight(root sleft) - height (root right)) <=1;
- 1	height (root right)) <=1;
	if (leftAns & RuightAns & diff)
	return ture
	else la la .
	setur false;
) ANTIGUES
0	blinised -
	pair l'ut, bool > solve (Jeenorde * 2001) } if (2001 == NULL) seture make pair (0, true);
	11(800t == NULL)
	setum make pair (0, true);
	pain Lint, 6001 7 left Ans = solve (loot toft)
	pain l'int, 60017 letters = solve (2001 - sight);
	O O
9	

	PAGE No. DATE	
	int leftheight = leftons flest;	
	int right-Reight = leftons-first;	
	booldiff = als (leftleight - rightleight) (1)	
	bool leftbalanced = leftons second;	
× 2	bool right " = rightsmr. second;	
	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
-	if (loftbalanced & sightbalanced & diff)	
	return make paint man flootheight	
	return make pair (mas (leftheight, réglit Height) + 1, true);	
*	3.	
	Clse	
	ford and	
	return make pair (max (leftleight, 3 sightleight) + 1, false); ans second.	
	2 sightleight) + 1, talse);	
	(am. second.)	
•		
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
The second section		
1 101 10		
)		

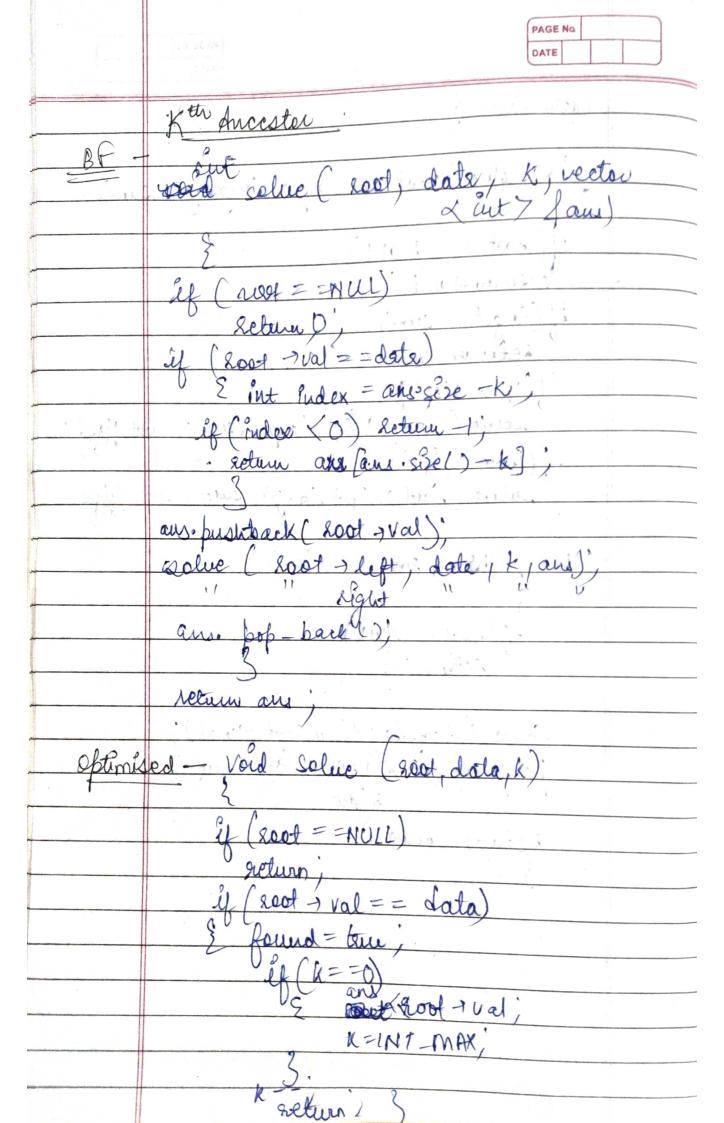
DATE
Path Sum.
bool haslælessem (Treenode * root, int target)
ind target)
V
ef (100t = = NULL) setum false;
return false,
if (good) val = = target & &
soot fleft = - NULL & f
soot fleft = = NULL & f soot fleft = = NULL) setum true;
bool leftsun = hasfathSun (2001-left, bool leptsun = " (2001-1 296); bool leptsun = " (2001-1 296);
2 de la constation (2001 - Veff.
bool books sum = " (soot + seek
taget -lod (val)
geture.
Seff Sun 11 right Sun)
xotish here

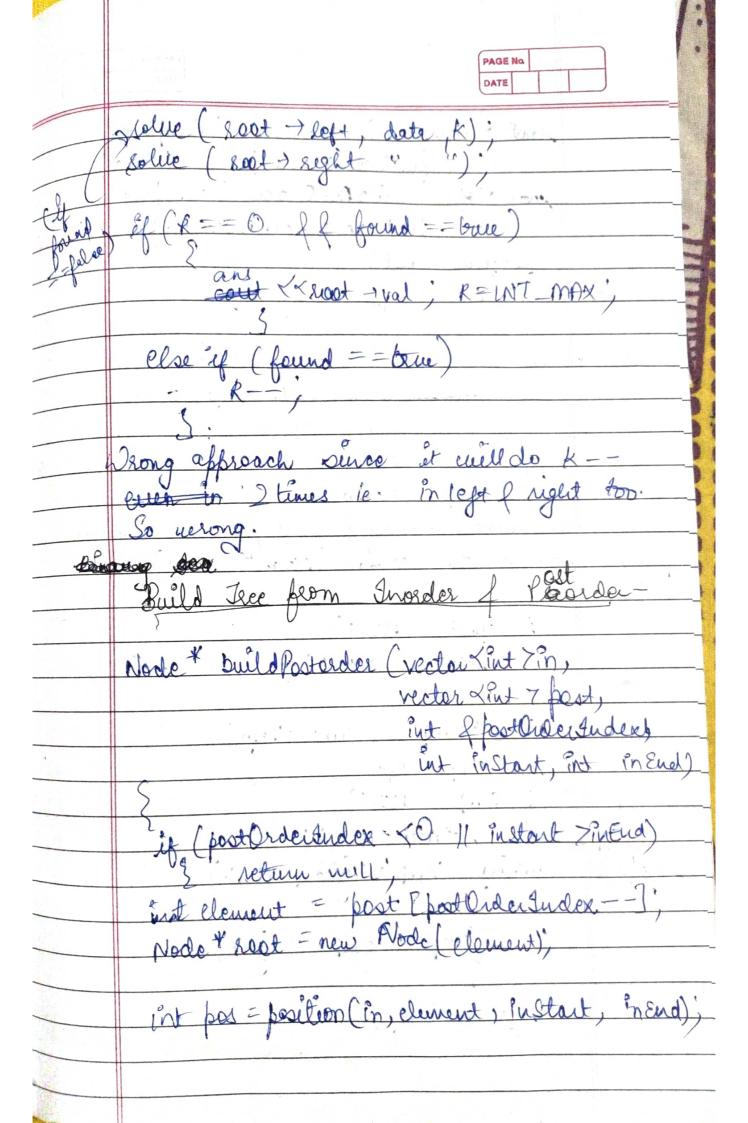
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	PAGE No.	
	Sam Jee	
	pair Vint, bool 7 solve (Node * root)	
	31 (12) 1 2 (12)	
	y (not == NOLL)	
	return (Eq. True 3);	
<u> </u>	if (root + left == NOLL & f root + right == NOLL)	
	neturn (Swot real, Irus)	
	bair Vint shoot > left = solve (and + left)	
	pair l'int, bool > left = solve (root + left); "right = " right	
114 14	must be a transfer of the section of	
Mary and the second	if (left second) & right second & f Root-Ival = = left (first tright, first))	
	soot-Ival == lift (first tiget, first)	
	return (2 + now - val, trues)	
,	else : mai : ma	
	return (Root real + left first + right.	
	3 forst, false 3)	
	Hair Head (at) tight about 12	
Y 3 2		
1 19 1	Truit La Maria La Truita La	
	the state of the s	
	are the second of the second o	
	The second secon	

PAGE No





ecot > eright = build Peat Order (Pu, post,
post Orden under, post,
post Orden (in, post,
post Orden under, Pustant, post,
setum root;

Setum root;

Law be further optimised to find position
a element using hashmap instead
by using Cinear Search.