1		The state of the s	
A CONTRACTOR	12/10/92	ADS LAB Lab-5	Triverily
	1x1	Lab-5	1BM19CSA11
	No.		
	-	Muze a buston to bergoe	m insextion
		and deletion operations on	AVL Freez
		Carthur pthis styles	
11.	ي	Algorithms Insertion (Node	node, int
		1 - 1127111 1740	Key)
		11 Insertion of a new node	- to the tree
		and balance the tree	20 86 93
\prod_{i}		unbalance	
		12 Cith Nazza in the	a" li
		if node = NULL	
	4	REGIOSO New Node (Key)	
		1 Cir Vir Carl+1 - B.	
1		if key & node -> key	
		Dan Cart of and a first	1
	•	node -> left = Insert	ion (node->left,
		11 11 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Key)
		elseif Key > node -> Key	
4-		2.00	
		node → right = Inscrtion	(wode > way 4,
1			(Key)
1		else	· · · · · · · · · · · · · · · · · · ·
	\$ 30	return node	Mark S. S. T.
	1125	En sayed level to the state of the	000100000000000000000000000000000000000
1	1.0	node > height = 1 + max (he	
L		height (Bode >: right).
1	-37	rodon kons	507199 5 - 1 1 - 1
L,		11 To check whose after in	7.00
4		whether tree is unbalanced	bit ned a -
	2 - 4	4-34 Craft Line Line Line Line Line Line Line Line	0 10 00 16
-		if balance > 1 and key.	< node > letto > key
			- Alexander - Alex
No. of Concession, Name of Street, or other Persons, Name of Street, or other Persons, Name of Street, Name of	13.54		Silvaria -
	No	1A	y Towns

	Deta: Page:	
	x -> right = y	
3	$y \rightarrow left = T2$	
	J	
	y -> height = max (height (y->cett),	
	height (y->right)+1	
	0 3 0	
	x -> height = max (height (x->left),	
	height (x -> sight) H 1	
	€ end if	
	124	
	if balance < -1 and key > node > right >	
Will.	if balance 2-1 and key > node > right >	
	y -> 2e+ € = X	
1.000	$x \rightarrow \text{sight} = T2$	
No. 1		
	$x \rightarrow height = max (height (x \rightarrow left))$	
	Meight () 17 17 17	
A 100	y -> height = max (height (x -> left), height (x -> right))+1	
	height (x->night))+1	
	end if	
	if balance >1 and key > nade -> left -> key	
	node -> left = left Rotate (node -> left)	
	return RightRotate (node)	
	end et if balance <-1 and key < node > nght> key	
	() > SIA)	
	0> rollet = rollet Rosale (rode -> 1940)	
	reform the botate (worls)	
	18 ET Julie	
	William Control of the Control of th	

Scanned with CamScanner

	n de la companya de l		
	1/delete		
	63.		
	Node* delete (Node* node, int Key)		
	Fotos a serial line - Day of ways		
/	if (2006 = = NOLL)		
	Legas wood		
if key < node > Key			
	node -> left = dolete (node -> left > Key)		
6/	seif key > node >key		
	node -> night = delete (node -> night -> Key)		
T	and the second of the second o		
	if node ->left = = NULL and		
	node → right = = NULL		
	semp= node > left? node > left;		
	((ozar)) mode -> noght x		
	if temp==NULL		
1	temp= node		
	node = MULL		
	else 200		
1	end if free (temp)		
1 9 1	else selse		
	temp = minvaluerode (node > right)		
	node > Key = temp > Key		
G Project	node > right = delete (node > right		
7-2	Demp> Key)		
	A series of the		
i i	3, 2000) 200 has 200 1 200 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
,			
2			