	Page
AVL Trees	SPLASH
Insation.	
Nade * insert (Nade * nade, int key)	
if (node == NULL) vetuin (NewNode (Key));	
V	43.27
if (key < node >key)	
else if (key > mode > key)	left, kay);
if (key < node → key) node → left = insert (node → celse if (key > node → key) node → right = insert (node → else	right, hay)
return nade;	
node → Sheight = 1+ max (sheight	(node → left), Reight right (node → right));
int balance = getBalance (node	
if (balance>1 A4 key < nade → return right Rotate (nade);	left → key)
if Chalance <-1 44 key > n. setun left Rotate (node);	ode → right → key)
if Chalance 71 44 key > nade	
node -> left = leftRotate retur rightRotate (mde)	(node → left);
retur rightRotate (mde));

else
*root = *temp;
gue (tamp);
3.
else
\$ f
Node temp = min Value Node (root - right);
loot -> key = temp -> ley
soot → key = temp → ley soot → right = delete Node (root → right, temp > key 2
2
il (100t == NULL)
if (100t == NULL)
root → height = 1 + max (Sheight (root → left), height (root-right
int balance = getib getBalance Croot);
: (Cholongo 7) At not Bolongo (sont -> left) >= 0)
if Chalance 71 44 get Balance (100t -> left)>=0) return right Rotate (100t);
if Chalance >1 44 get Balance (100t → left) <0).
٠
ncot → left = left Rotate (root → left); return right Rotate (root);
reliun right Rotate (100t);
: (Chalance < -1 st netBalance(unt > right) <-0)
if (balance <-1 st getBalance(root → right) <-0). return leftRotate (root);

if C balance <-1 At getBalance (200t > 2 sight) >0)

Noot > 2 sight = 2 sight (200t > 2 sight);

2 seturn left Rotate (200t);

3 seturn 200t;

3.