(BST) Binary Search Tree > Special | Binary THEE (2) lest > parl cright Properties 1--> Search in BineryTree (O(r)) -> As the sortings already, done, search space is harved / Cheight of tree) 0(logn) -> Ivorder seavence will also be sorted (112,3,4,5,6) - Saled seavence · > Boild a BST oll: [3,211,5,6,4] Some Mode class as in Binary Tree. Mode Twest (root, val) & IS (00/ 22 NUCC) & refur revisible (NOR) If (val croot-)data) { 1001-7 left = insert (root-xept, val) root-71ight a Insert (rook-71ight, val) Printing Inorder - Loot ce root Idata Frorder (root 2 right) ICOOK=HOW)? retorn) Irorder (1001-91eft

assort in BST	
Bool Search (root, key) {	if (root-od oken)
if (100+== NUCL) }	return search (rost- 7 left, Key)
if (root== NUCL) & " (else .
if (1001-)data == (cen) }	reform search
reforfalse	reform search (root-siight, key)
-7 Delete Hode in BST.	
To Ho child @ One Child	
A 2 Clubs.	1,
	replace she parent
Treplace she parent with child	
15-5 data 5 of host poor	
Hode New Hode (soot) key) }	3 2 children (3) Hode 1S = get 1S
IP/Conta HUCC/S	(root-right)
Refuser NUCC	100t-7 data = Is->data
If key Cloot-lago	
	1 1001-7 right =
else if (key 7 root-solota)	del Mode (100+->right,
100/ 5 1	75-rdota)
1-rightiley)	
else delete : root = lcey	
@ O children	
delete 100t	
refure root	
(2) 1 child	
delete root	
refurn non null	
Chilo L	