



2 4 Depth = 4 A node initially at depth d from the access path from the root to X moves X to the final kepth $\leq \left(3 + \frac{d}{2}\right)$ \sim $\Theta(lgn)$ 2) Insust (Key K, Value V) * Insort new entry (k, 1) -> BST * Jplay the new node to the root. 3 Remove (key k) A note having key k is removed from the tree, as with ordinary BST. Let X be the node removed from the tree. Splay X's procent to the root. Splazo5 8 If kay k is not in the tree, splay the hast node visited where the search ended (to the

Operations (find/remove/insert) cs llse a protext for performing Rotations (Splay) (032 r) (lgn) Why rotate around the grandparent first for ZIG-ZIG Operation? 0, 1, 2, 3, 4, ..., 9, 10 3 2 3 Ĵ. 10 Find (1 4





ZIG-ZIG - P Grandy arent first.