- Delete from BST; DELETE(X)

Ox has no children; trivial deletion - 0(2)

(i) x has one child; change one poster - O(2)

① x has 2 children; find successor, theight of remove successor (newspire delete call), — O(n) & BST not granniked logn

- Note: there will be grestions that test your knowledge of the difference between BST and balanced trees

- Rolete X from AVL tree:

· find node k where x is stored, delete node x as in regular BST (ortlined above), then rebalance the tree

· in all three cases, we end up deleting a leaf;

Ox has no children, x is leaf, delete leaf x

(i) x has one child x' x' must be leaf to preserve balance when x' replaces x, leaf x' is eliminated

most one children, find successor lahich by definition has at

rebalance whenever inbalanced node encountered



