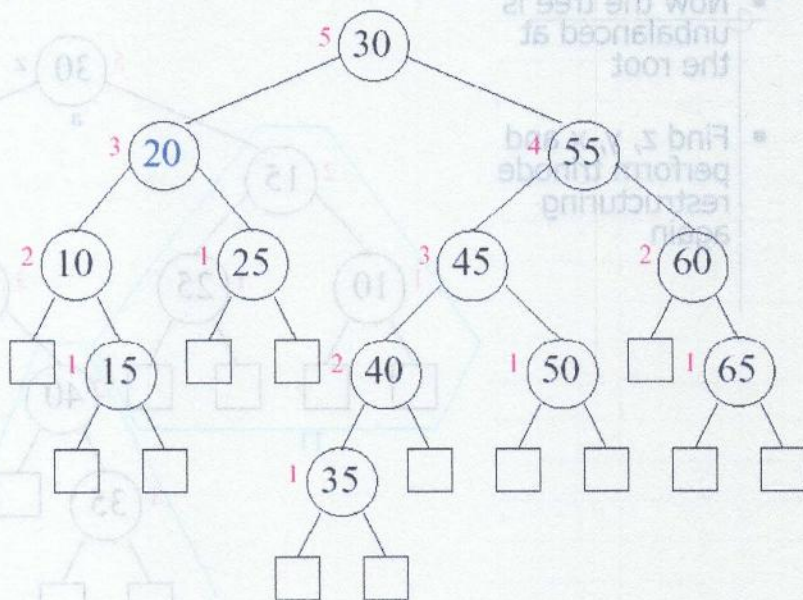




①

Deletion from AVL Tree Example

- Heights for each node are in red
- To delete key 20:
 - Move entry with key 25 to the position occupied by 20
 - Delete node where key 25 used to be

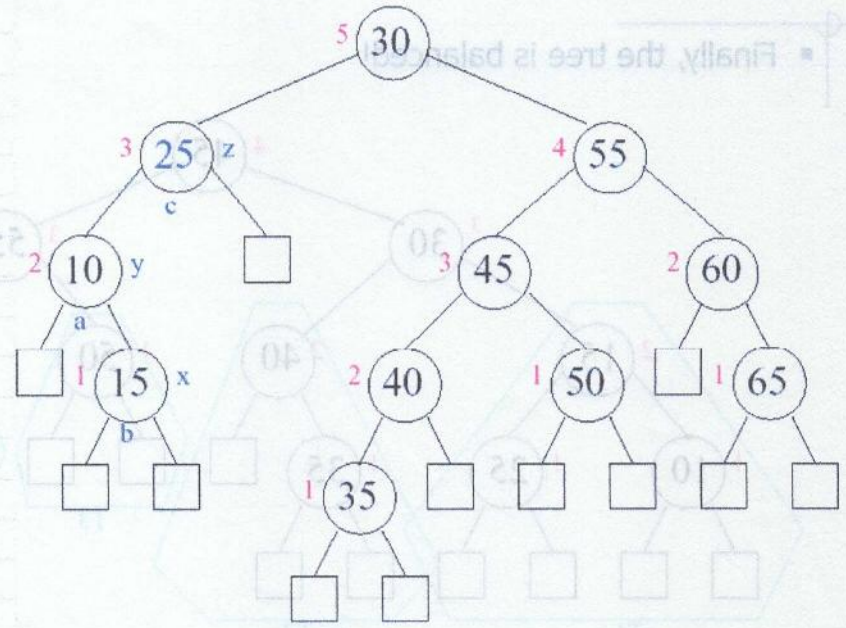


Over

2

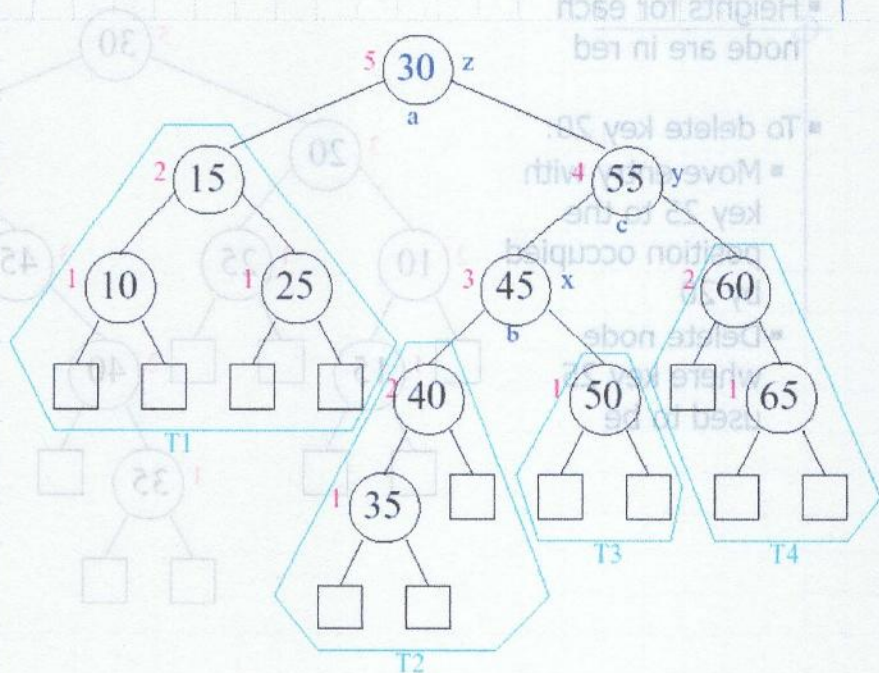
Deletion from AVL Tree Example

- Node with 25 unbalanced
- Find z, y, x according to our rules
- Tri-node restructuring



Deletion from AVL Tree Example

- Now the tree is unbalanced at the root
- Find z, y, x and perform trinode restructuring again



3

Deletion from AVL Tree Example

- Finally, the tree is balanced!

