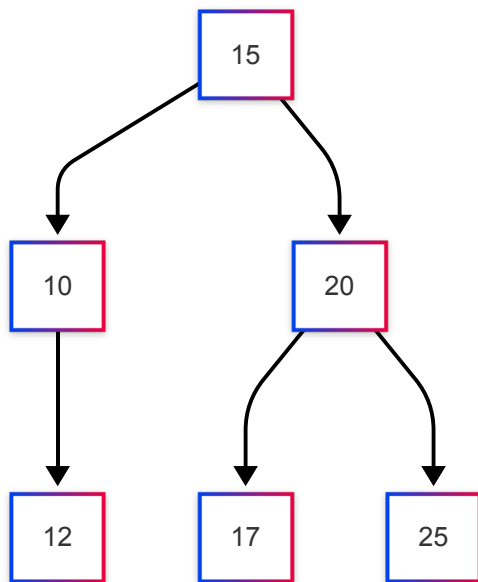


Step 1: Initial AVL Tree



Next step: delete node 10 with one child 12.

Step 2: Replace node 10 with its child 12

Replace node 10 with its child node 12

Check on balance: leafs 12, 17, 25: height diff = 0

node 20: height diff = 1 - 1 = 0

node 15: height diff = 1 - 2 = -1

balanced

