IKI10400 • Struktur Data & Algoritma: AVL Tree Example Operation

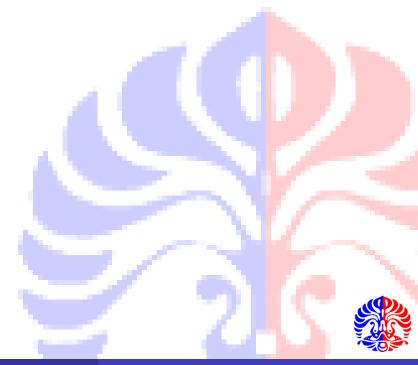
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Slide acknowledgments:

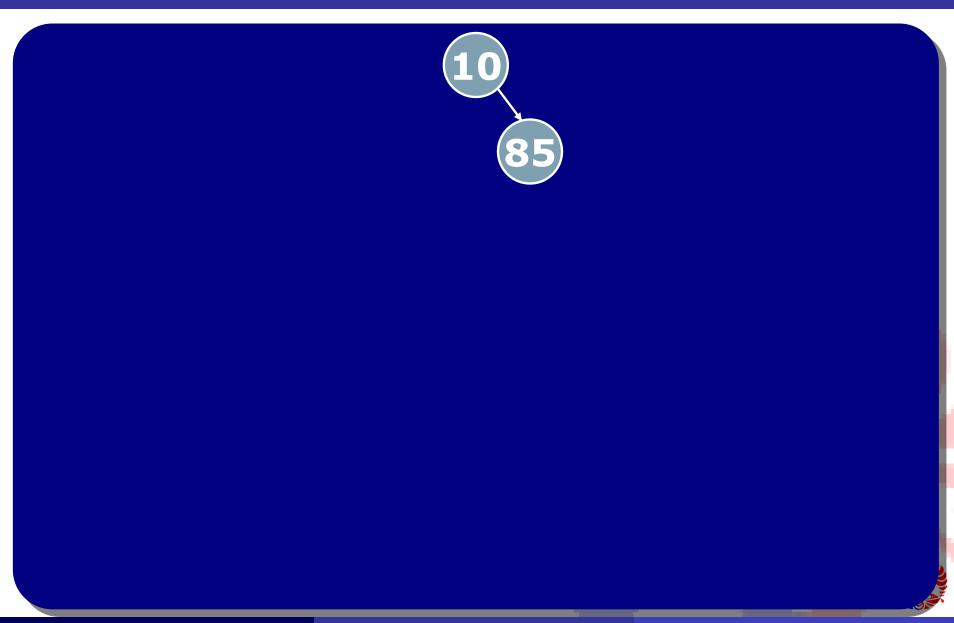
Bayu Distiawan

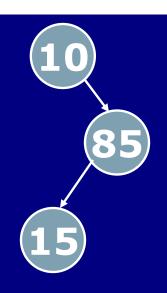


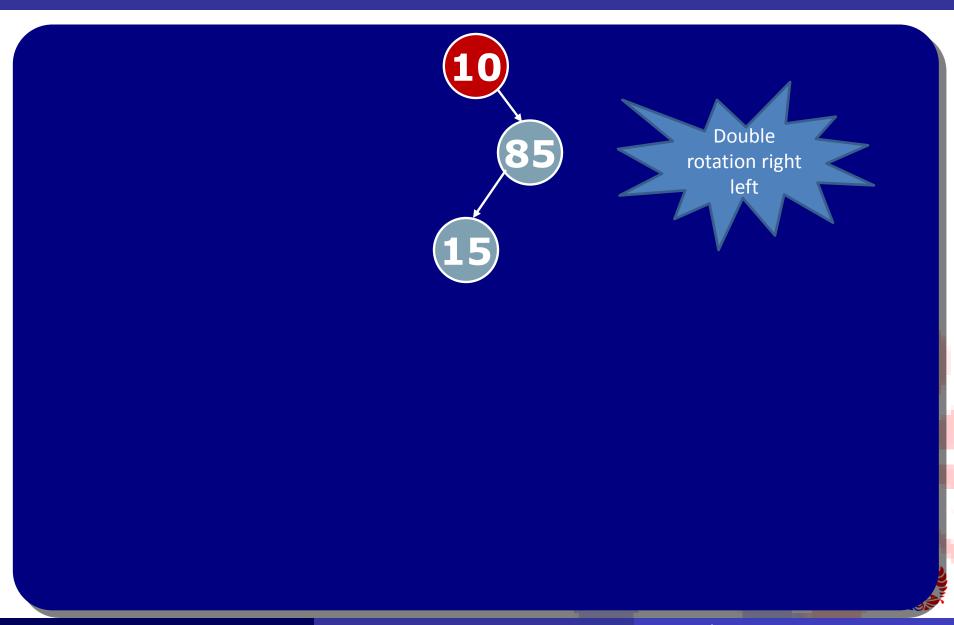
Gambarkan step by step hasil operasi berikut:

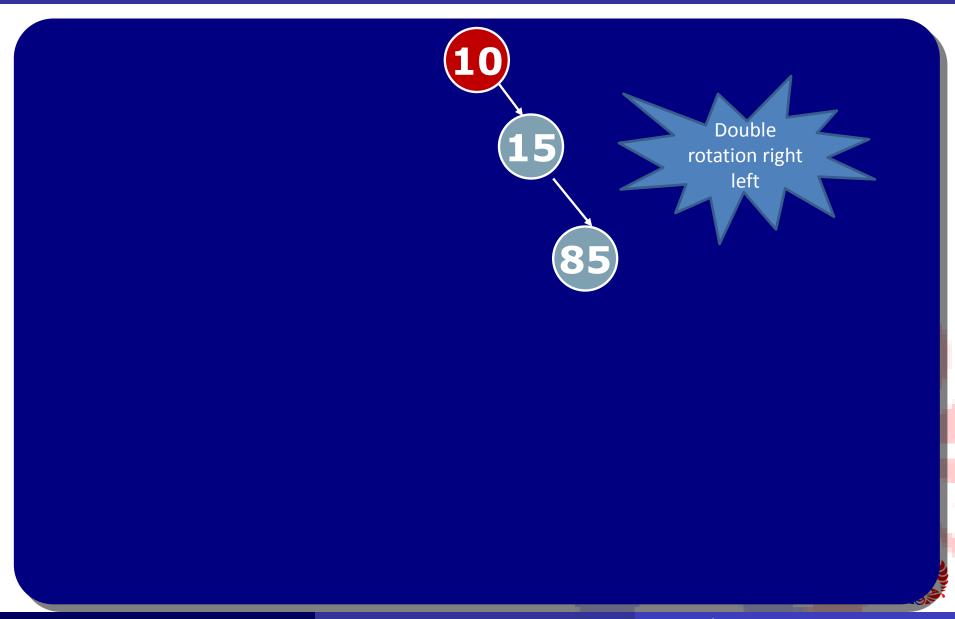


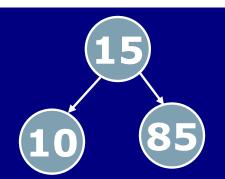


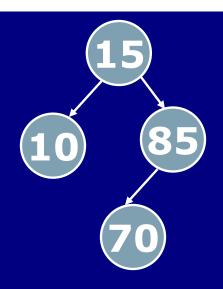


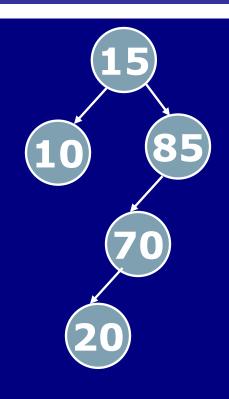


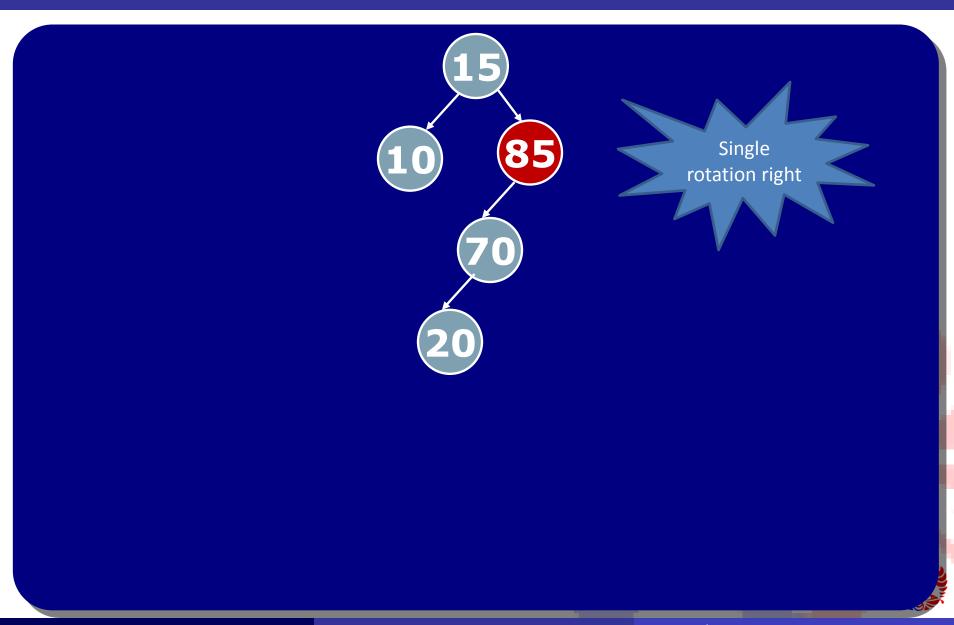


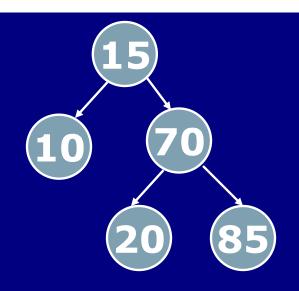


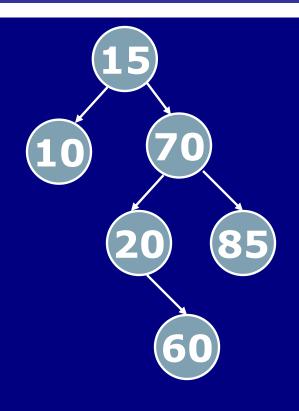


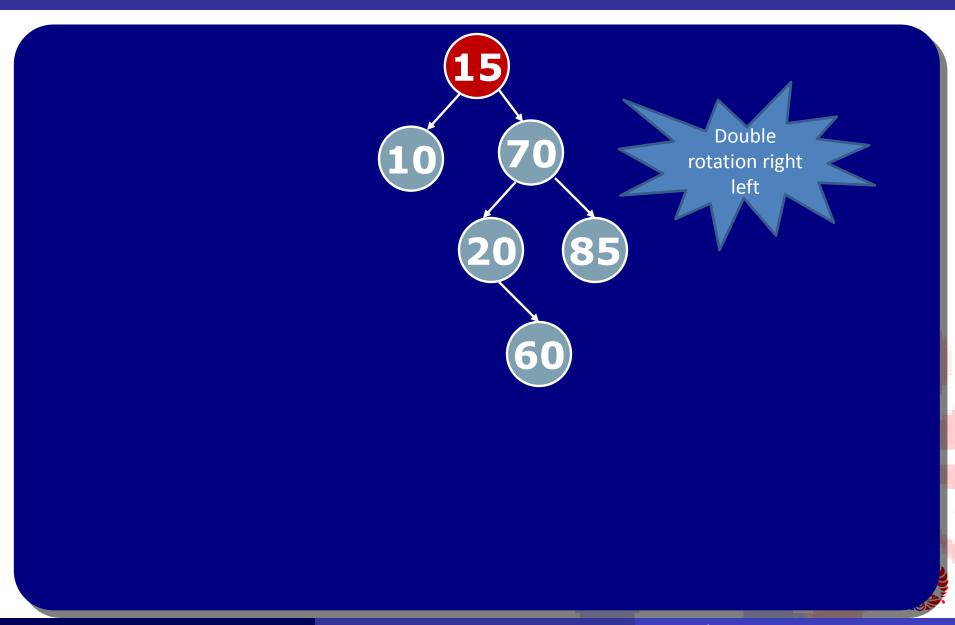


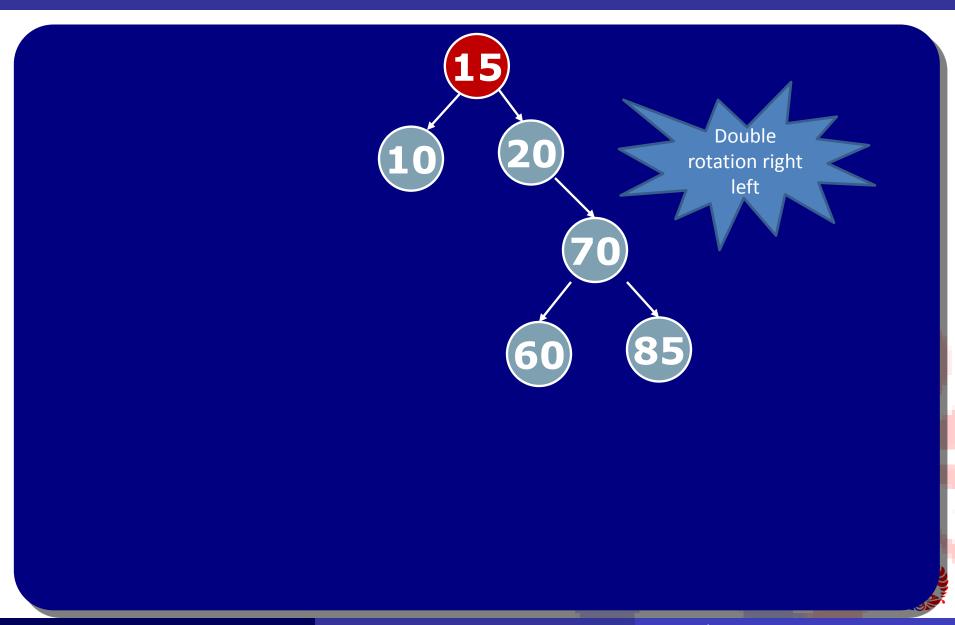


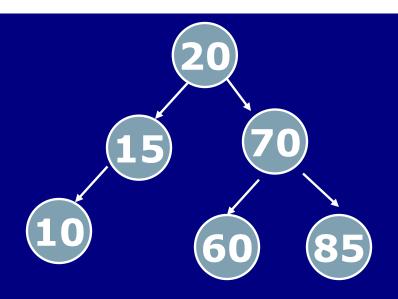


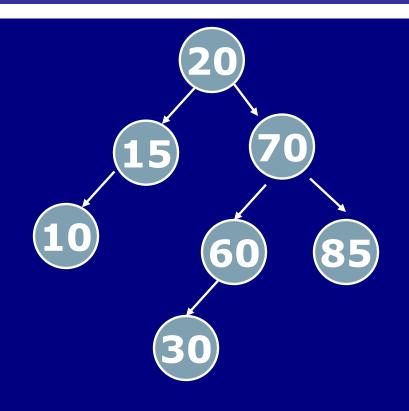


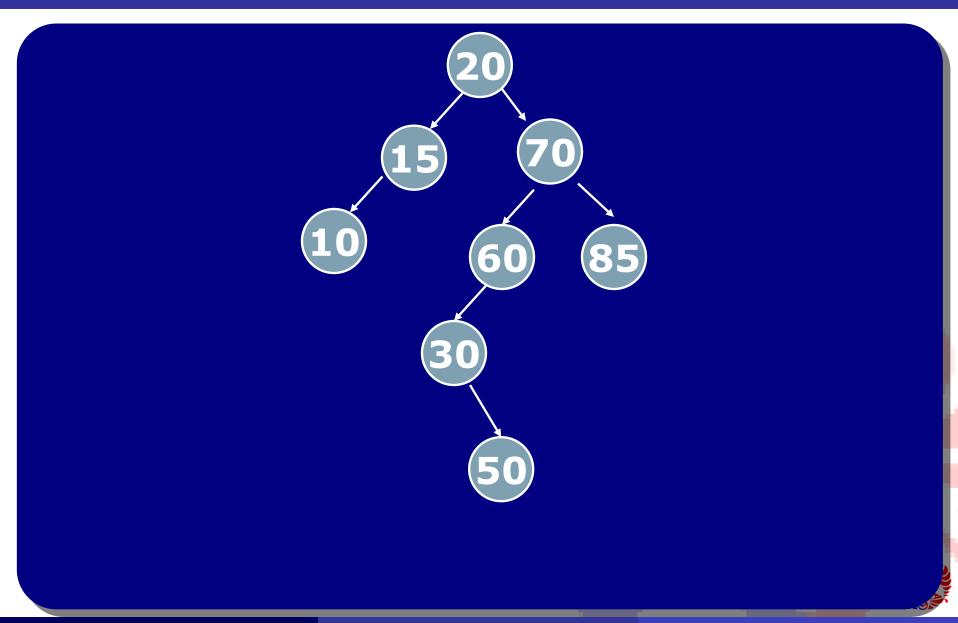


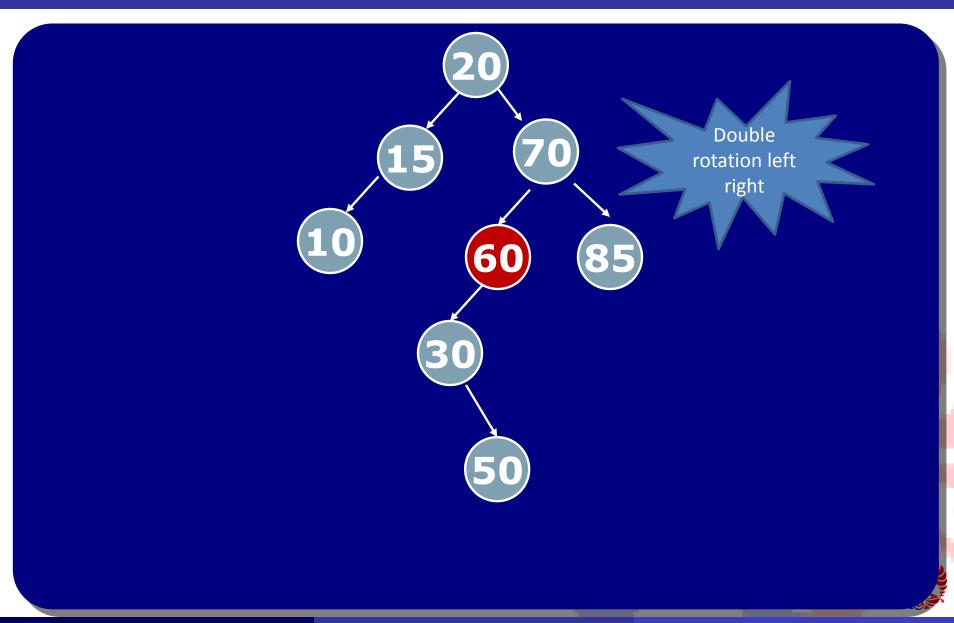


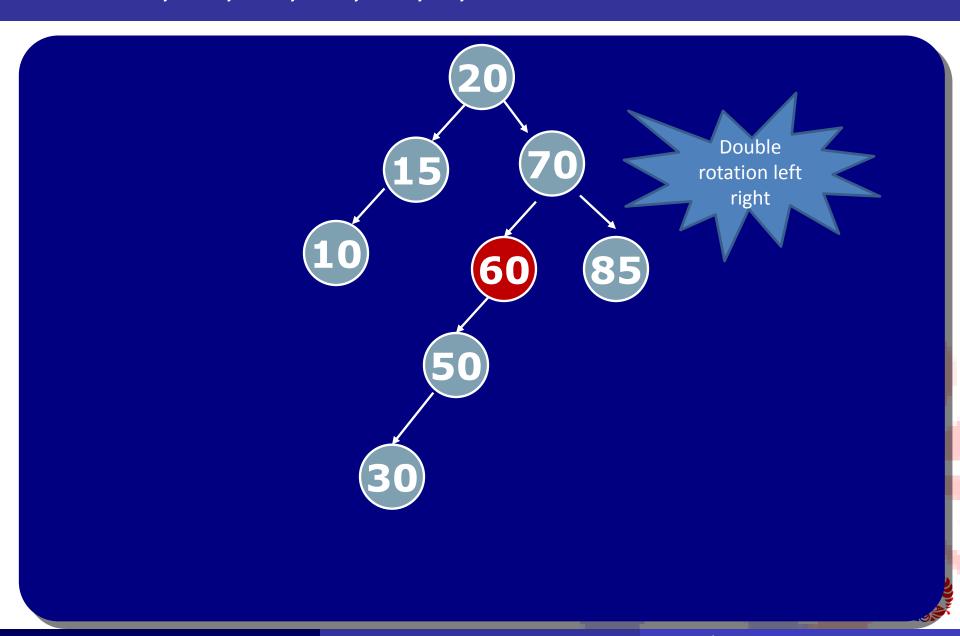


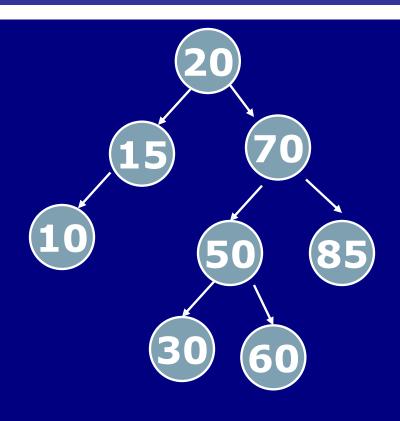


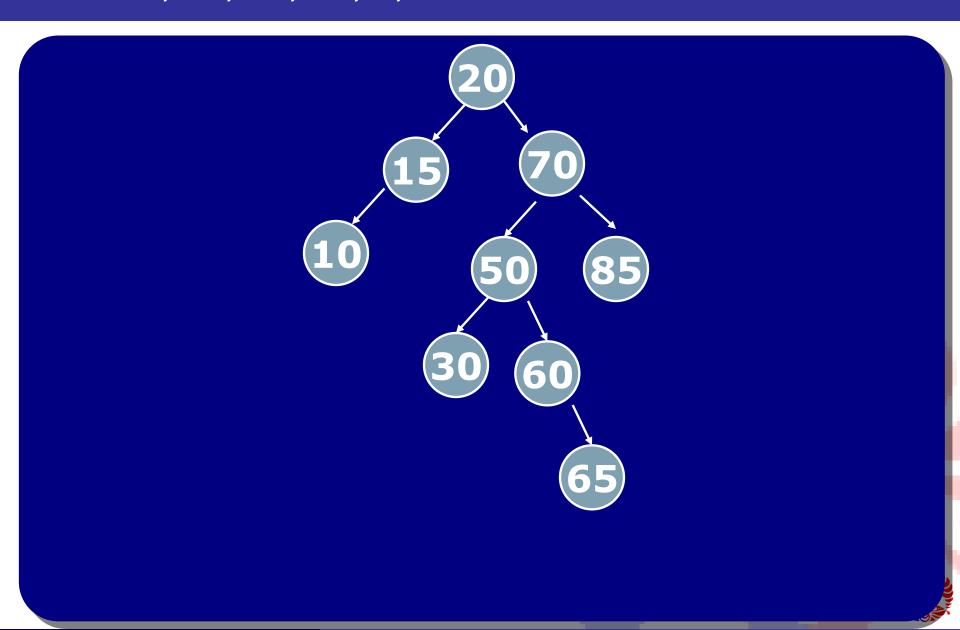


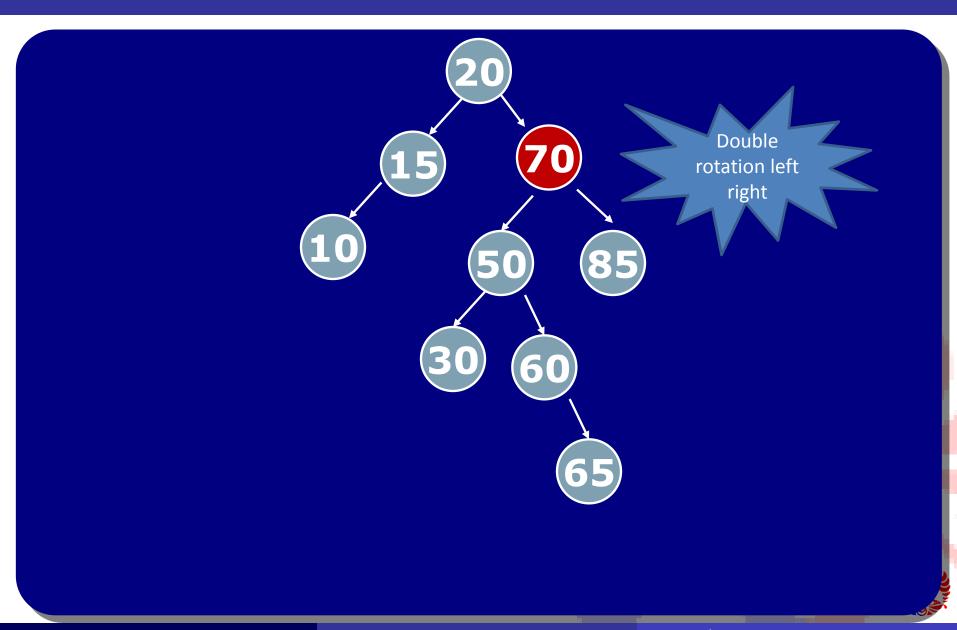


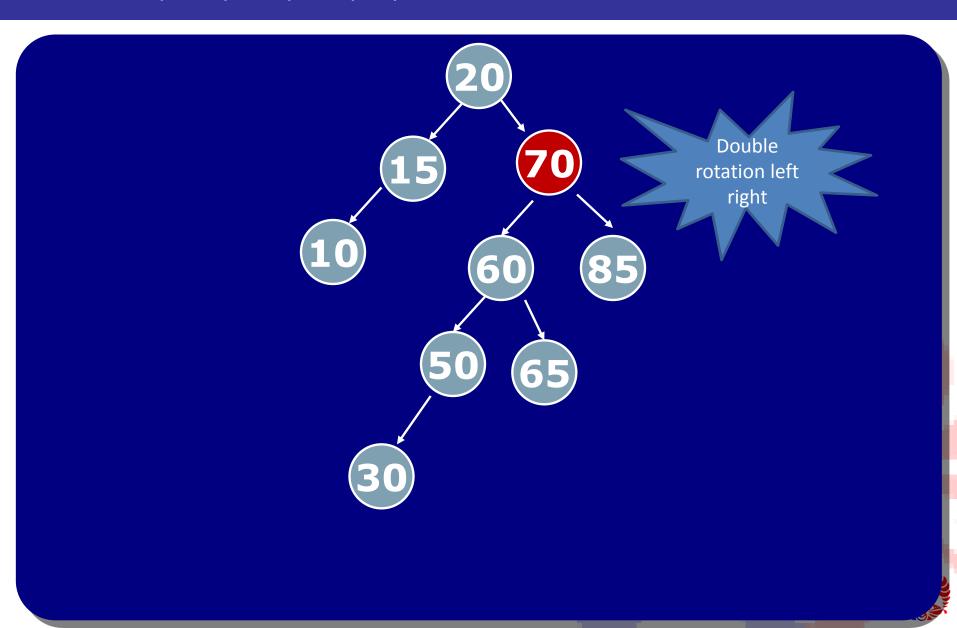


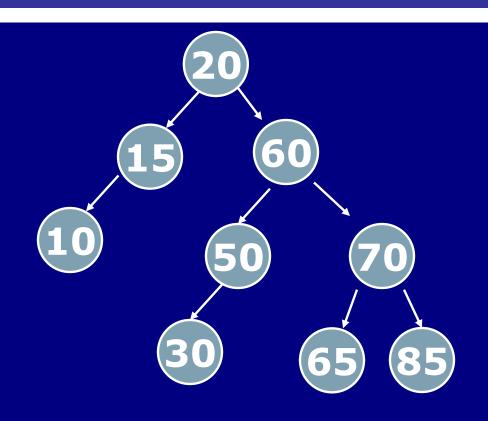


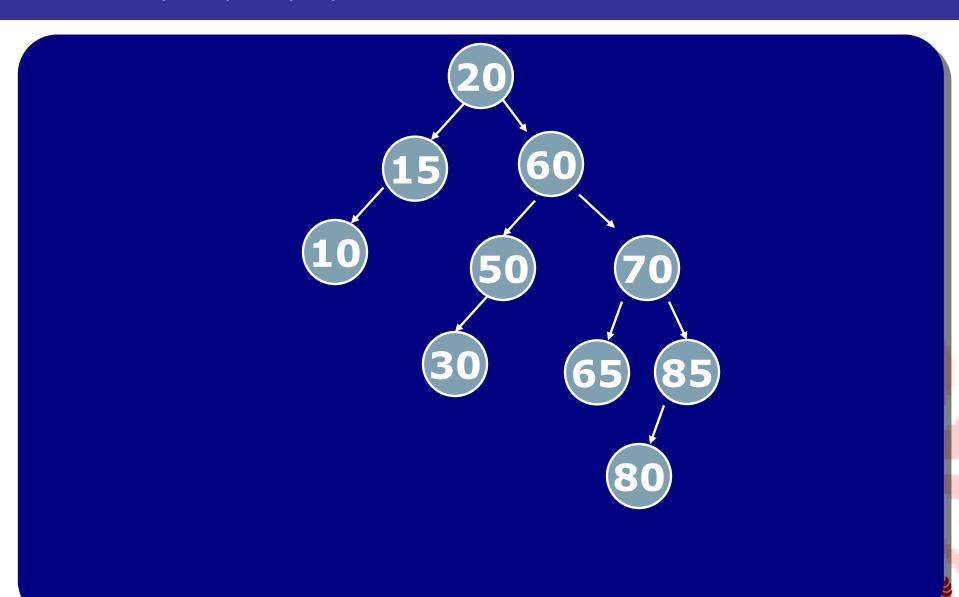


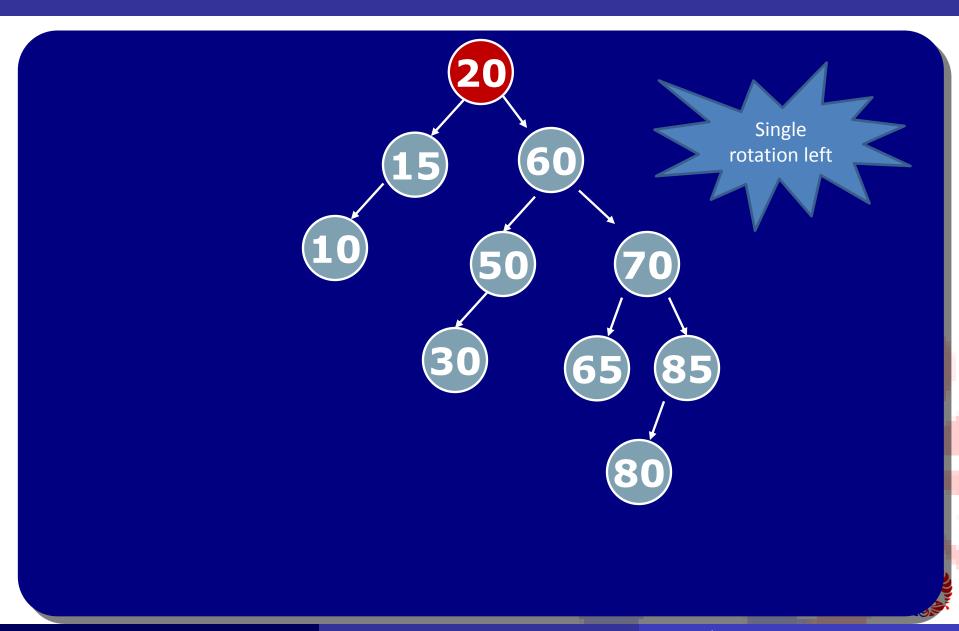


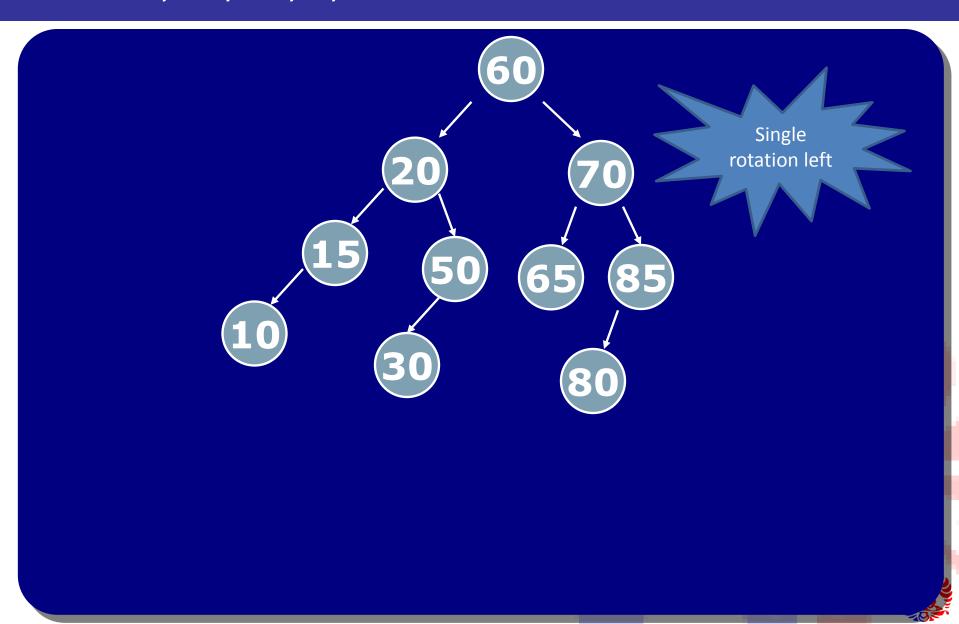




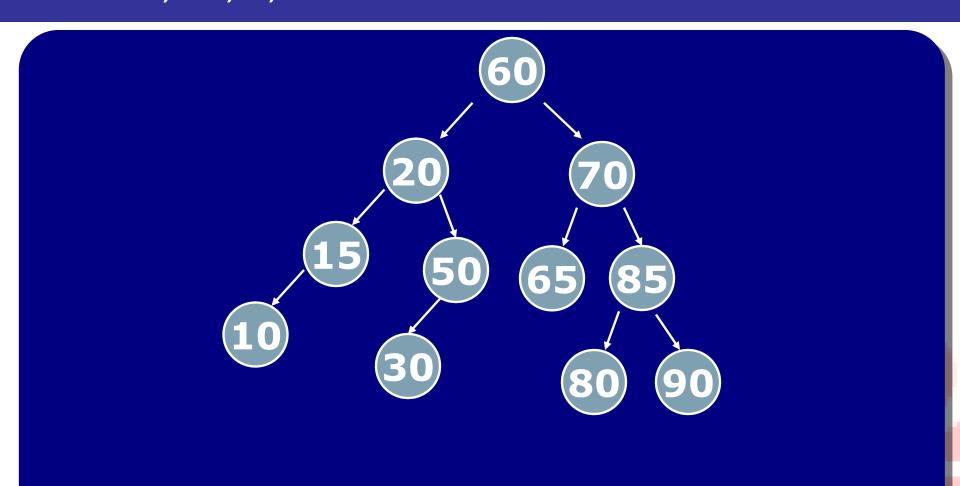


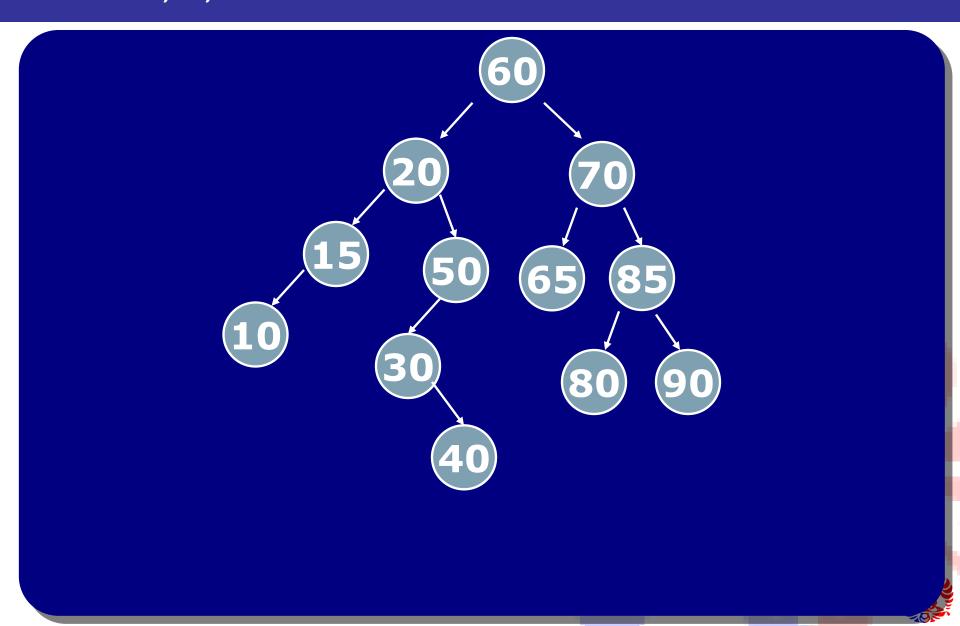


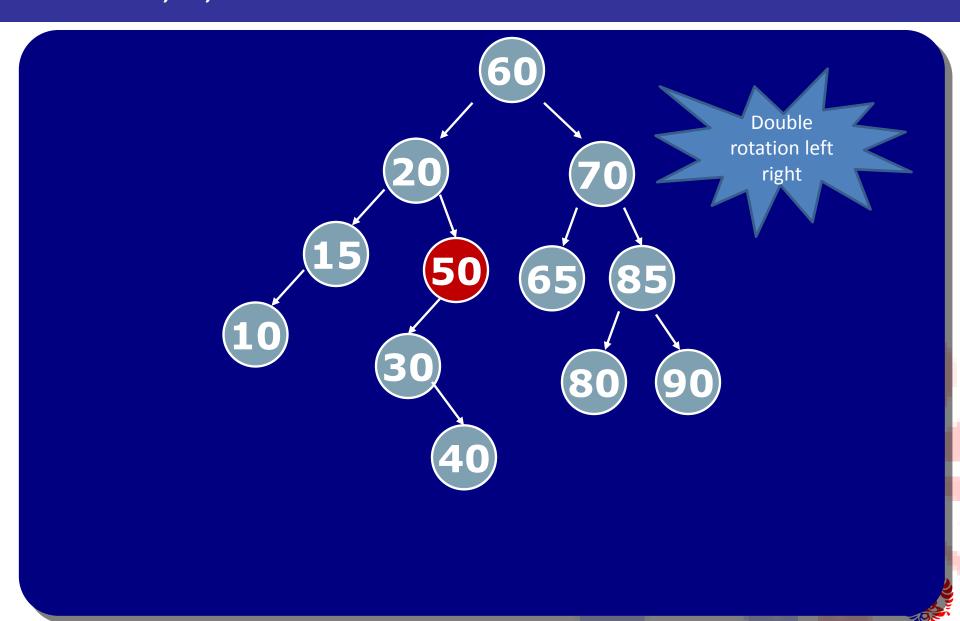


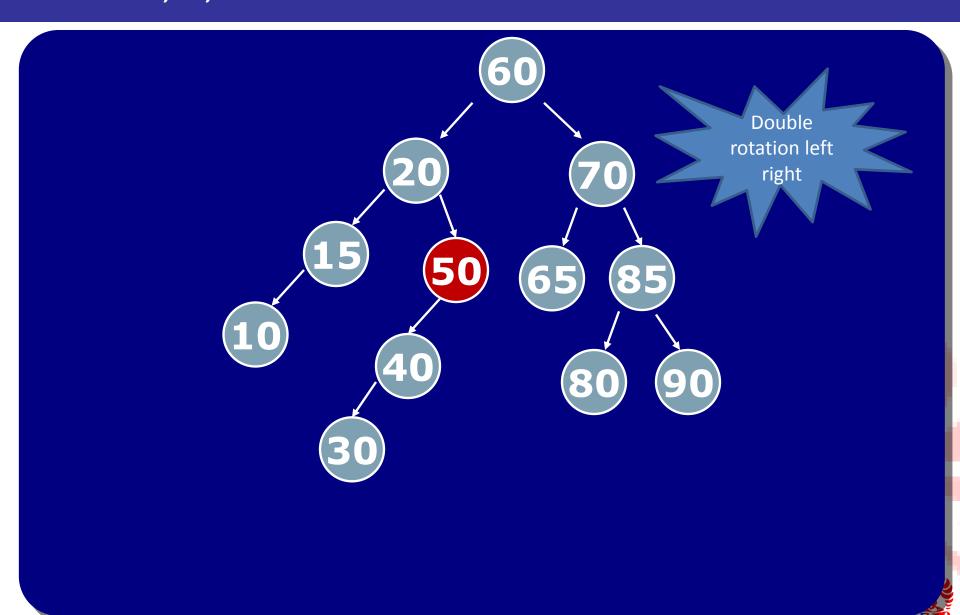


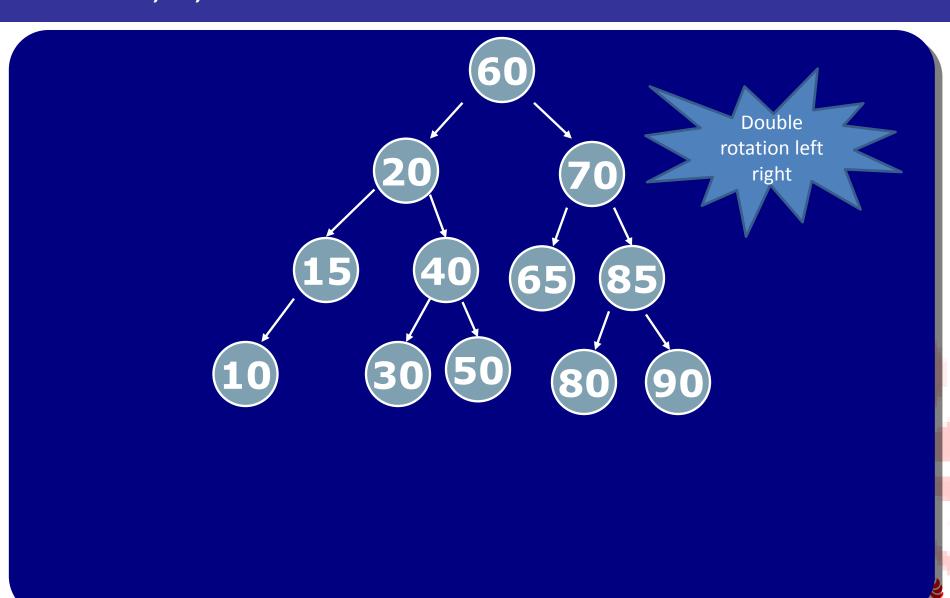
Insert 90, 40, 5, 55



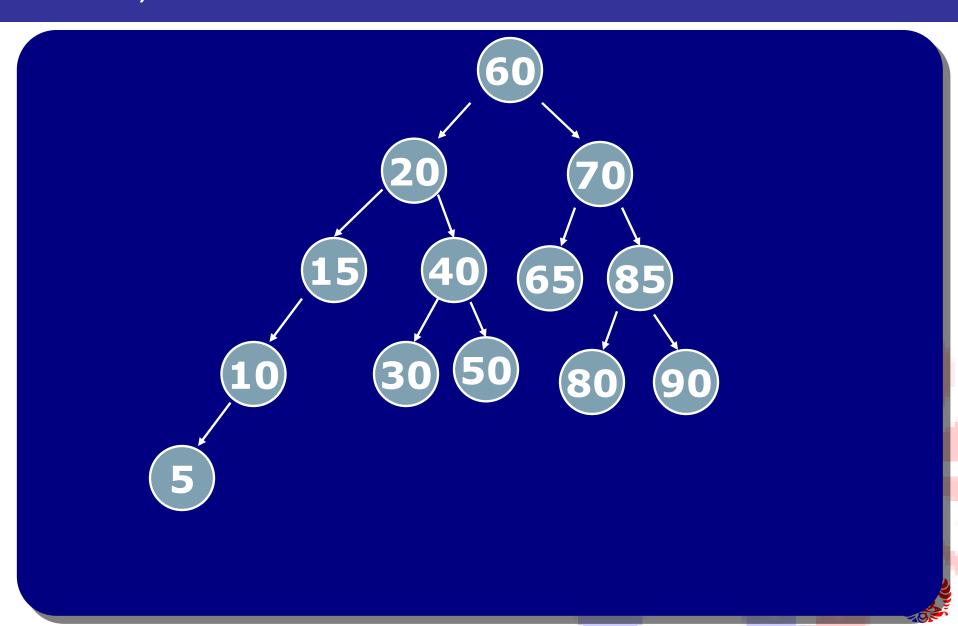




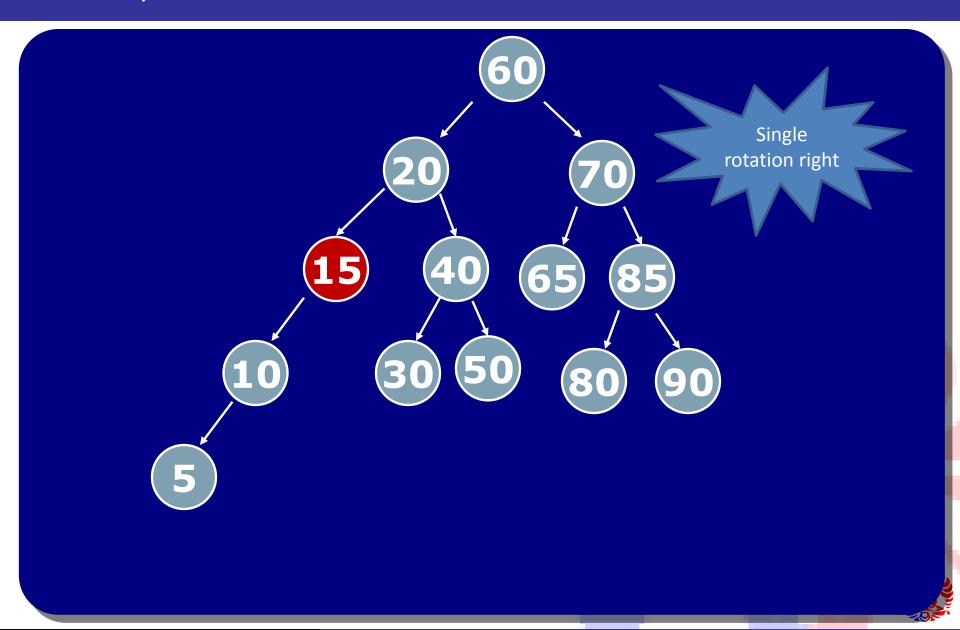




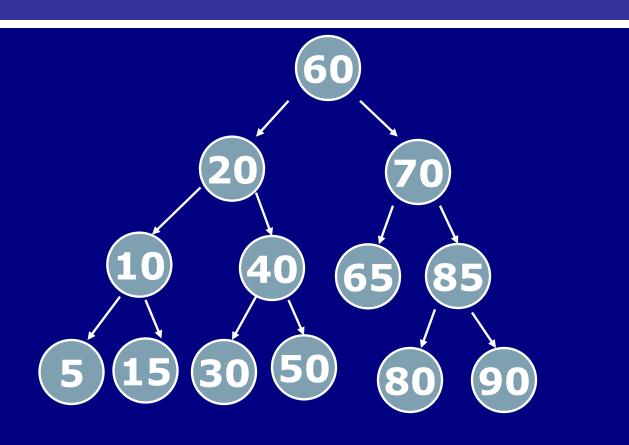
Insert **5**, 55



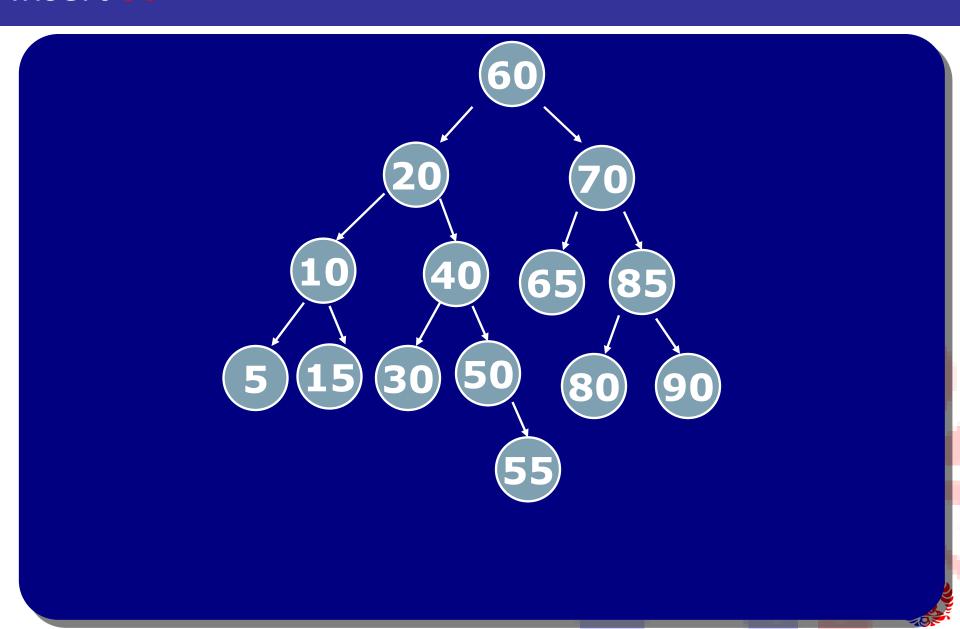
Insert **5**, 55



Insert **5**, <u>55</u>



Insert 55



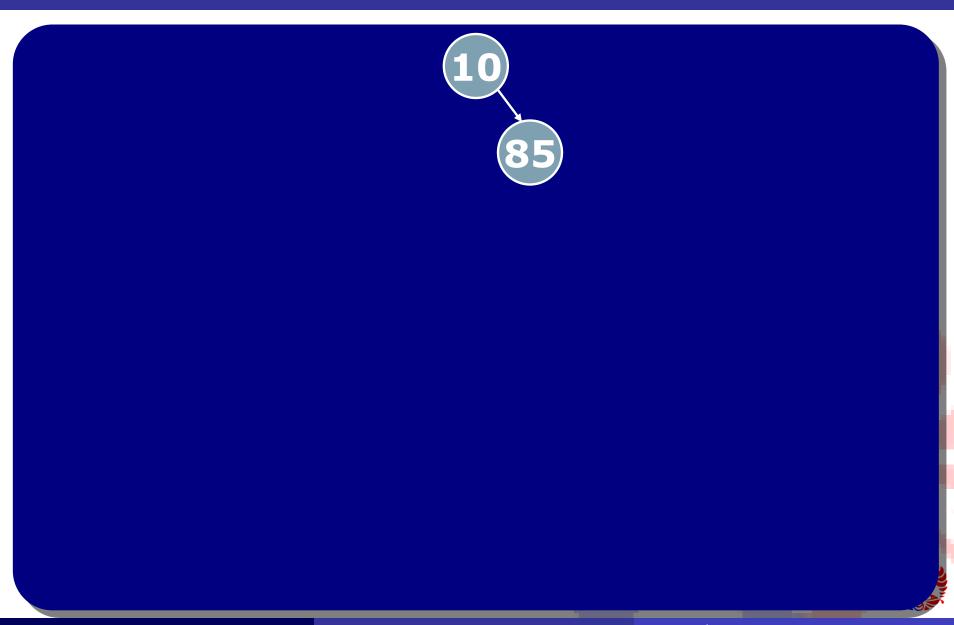
AVL Trees: Latihan

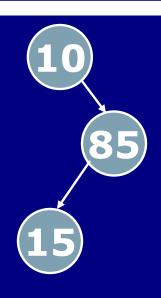
- Coba simulasikan urutan proses pada sebuah
 AVL Tree berikut ini
 - insert 10, 85, 15, 70, 20, 60, 30,
 - delete 15, 10,
 - insert 50, 65, 80,
 - delete 20, 60,
 - insert 90, 40, 5, 55
 - delete 70
- Gambarkan kondisi akhir dari AVL Tree tersebut.

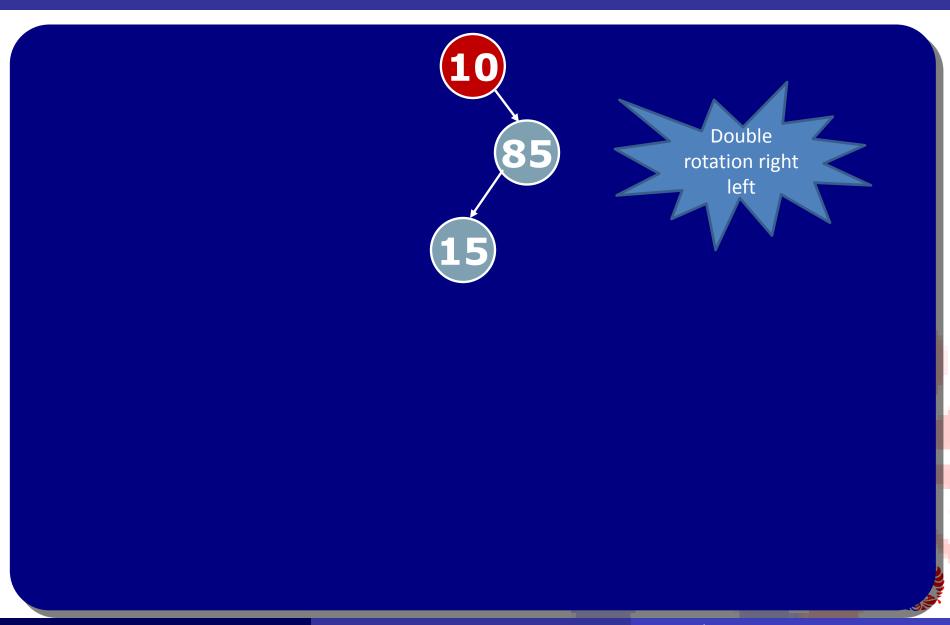


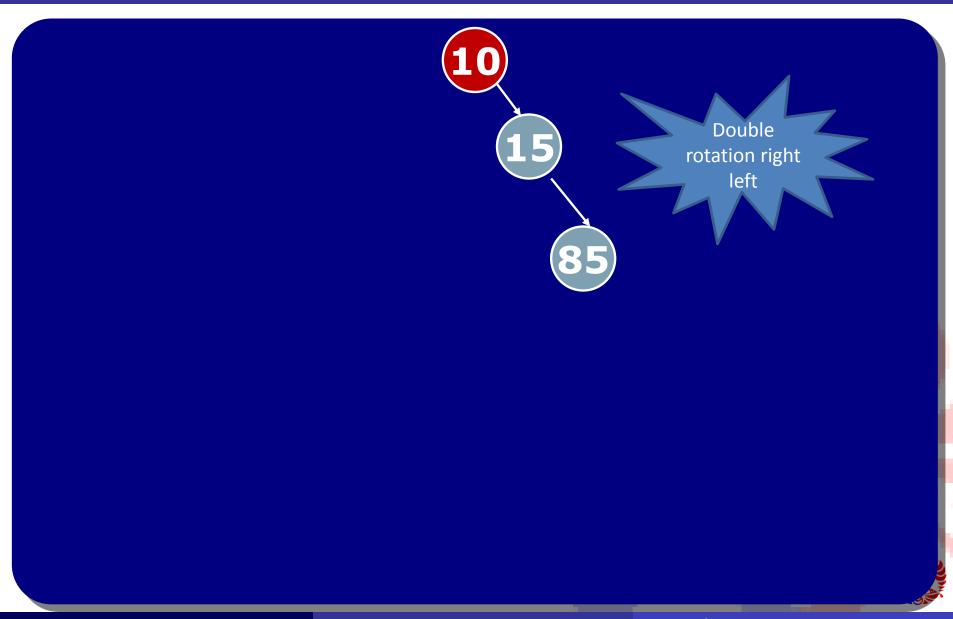
Insert 10, 85, 15, 70, 20, 60, 30

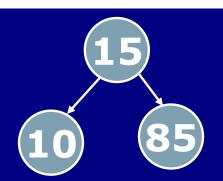




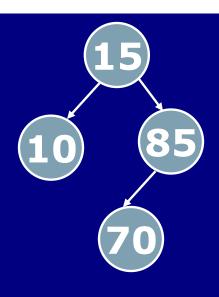




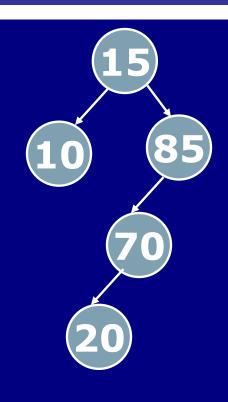




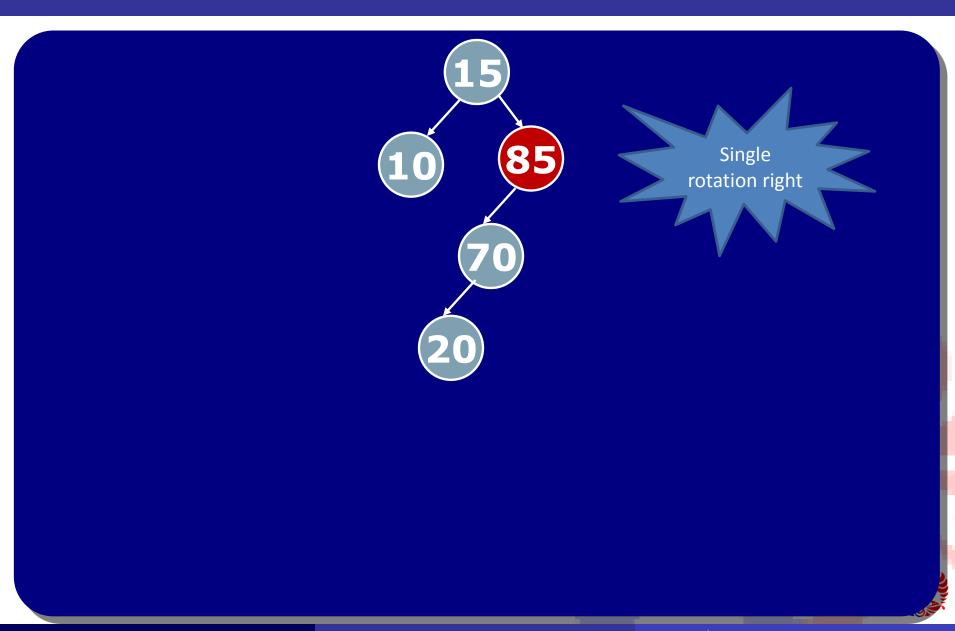
Insert **70**, 20, 60, 30



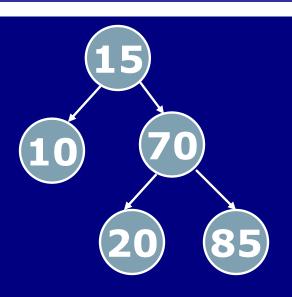
Insert **20**, 60, 30

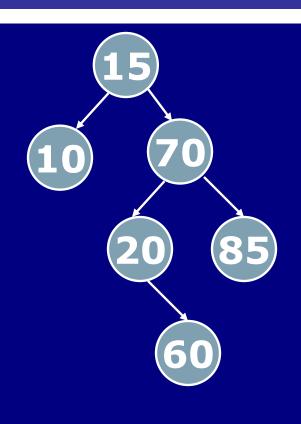


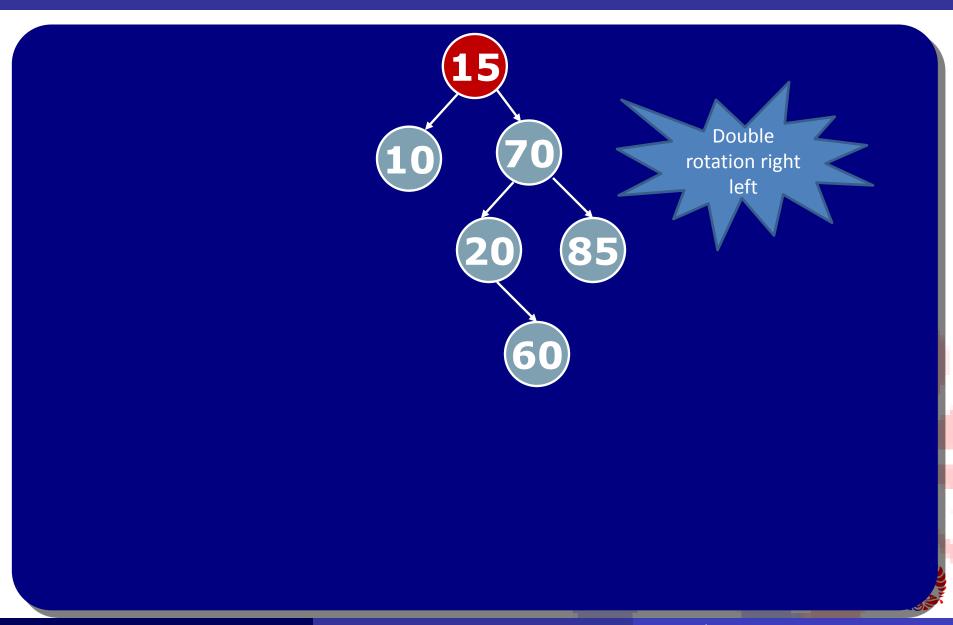
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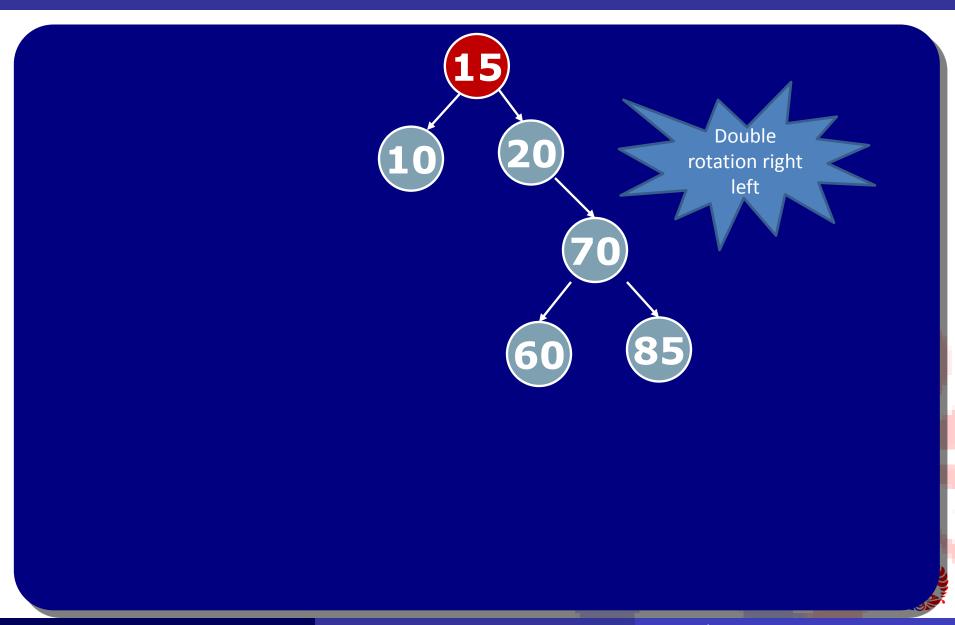


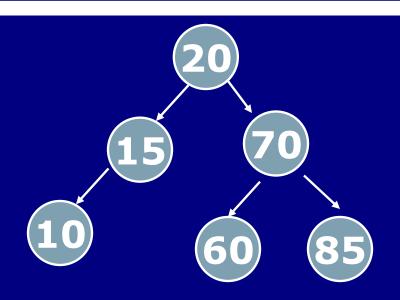
Insert **20**, 60, 30



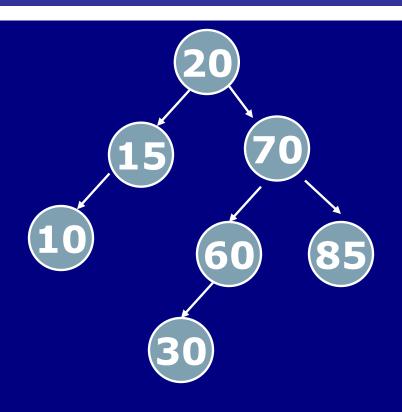


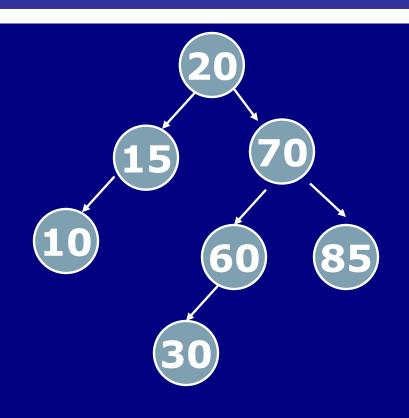


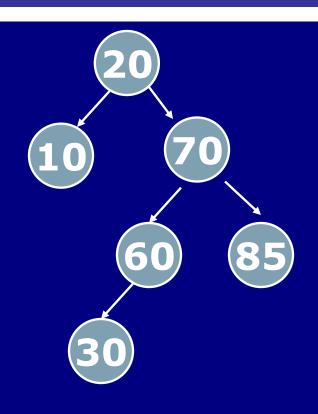


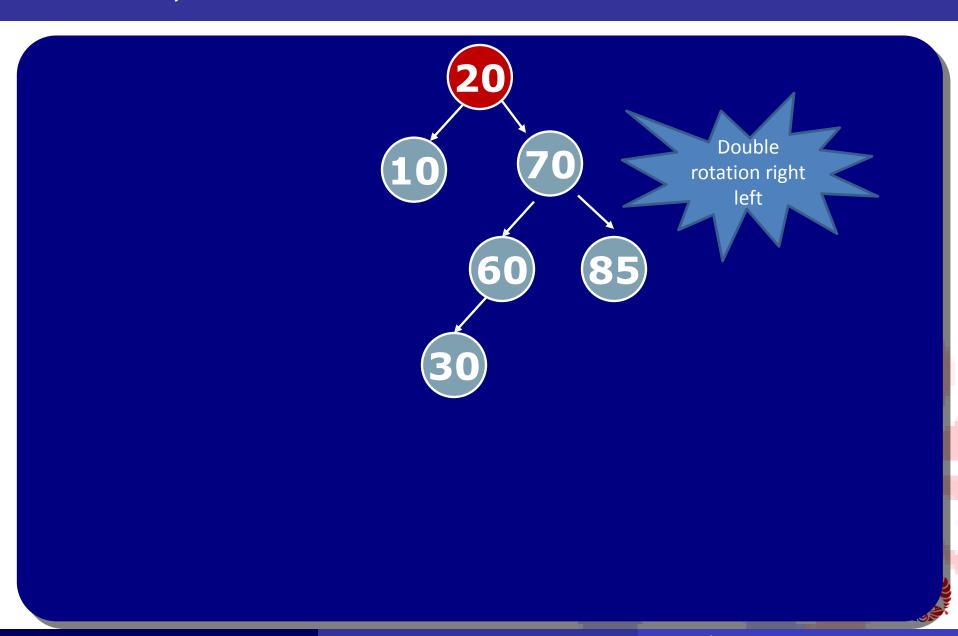


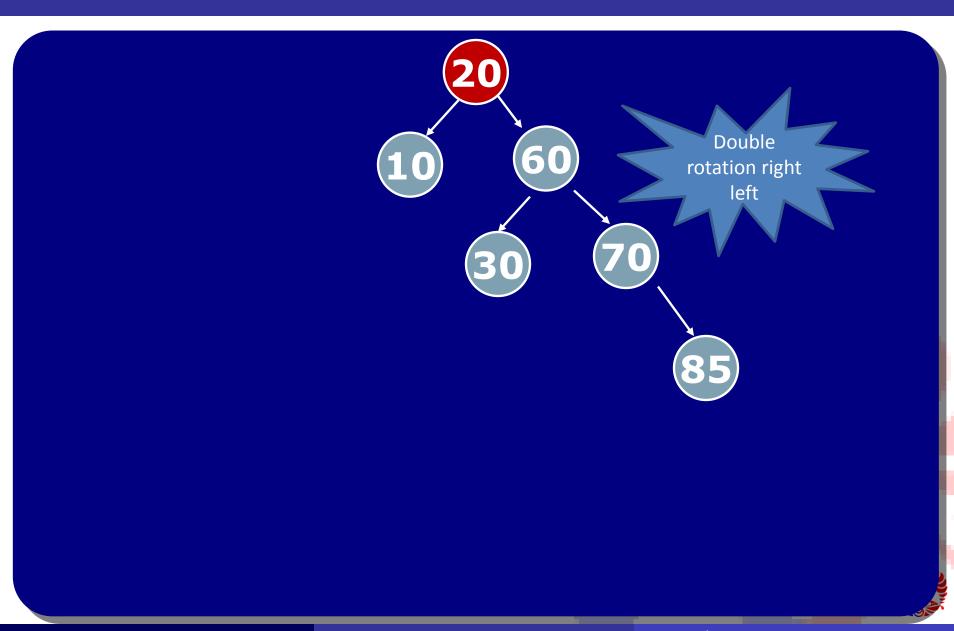
Insert 30

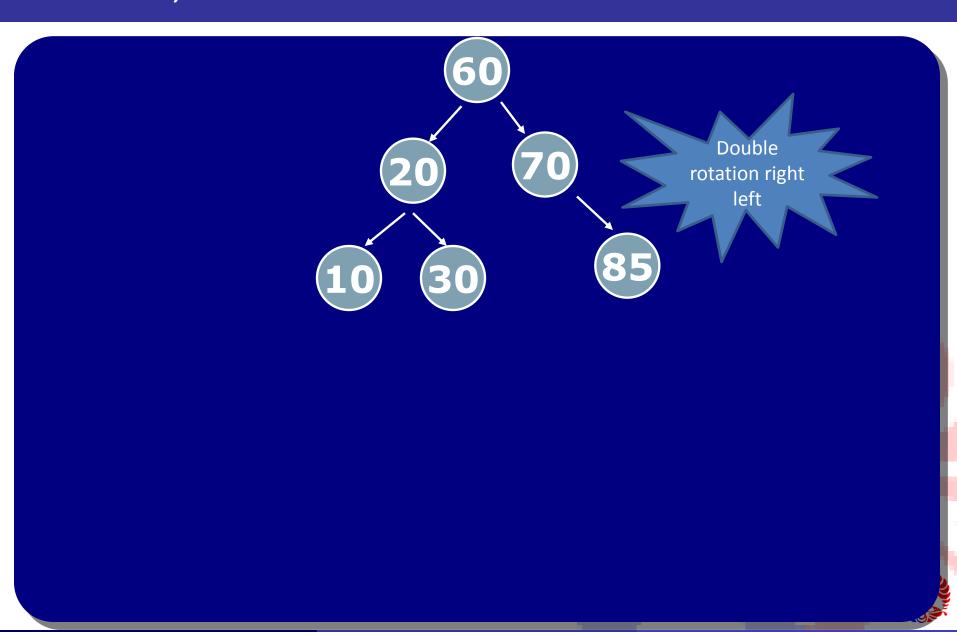


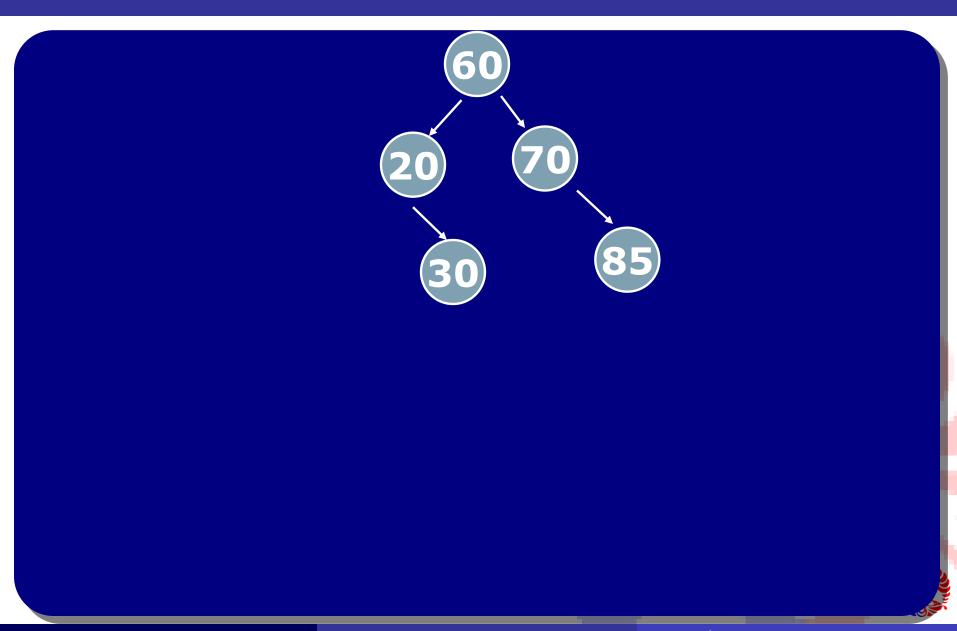


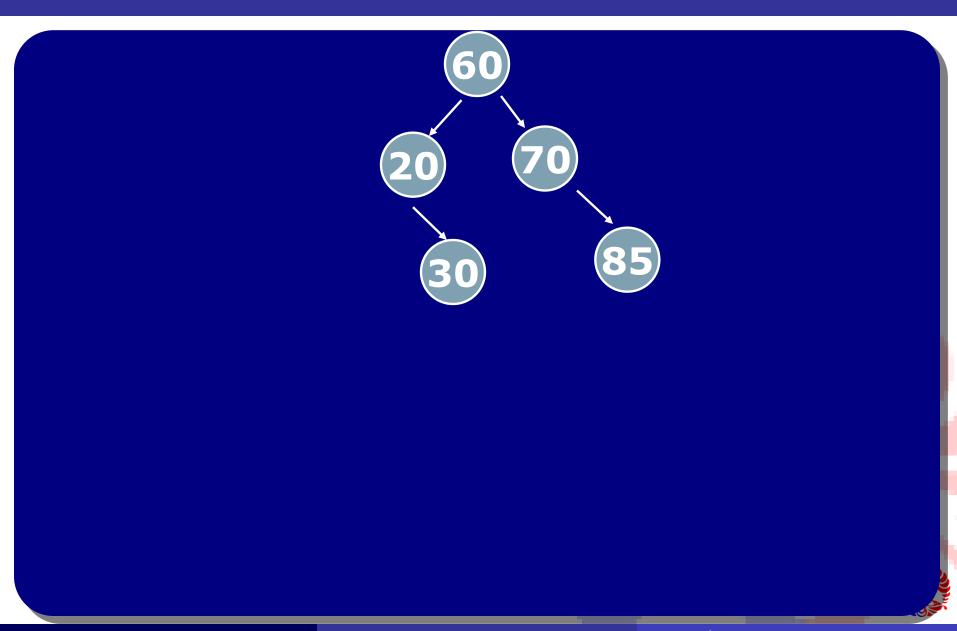


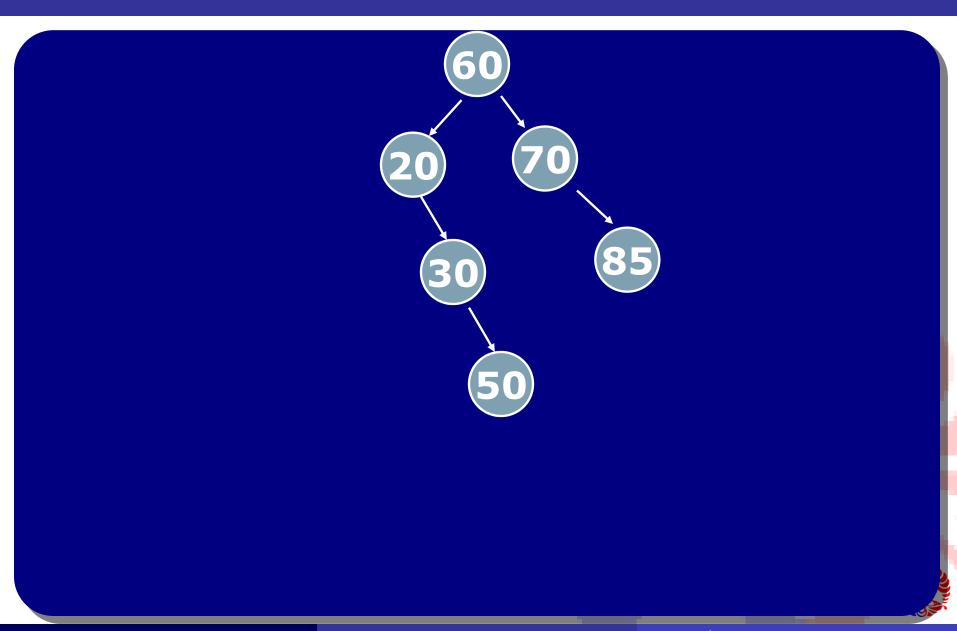


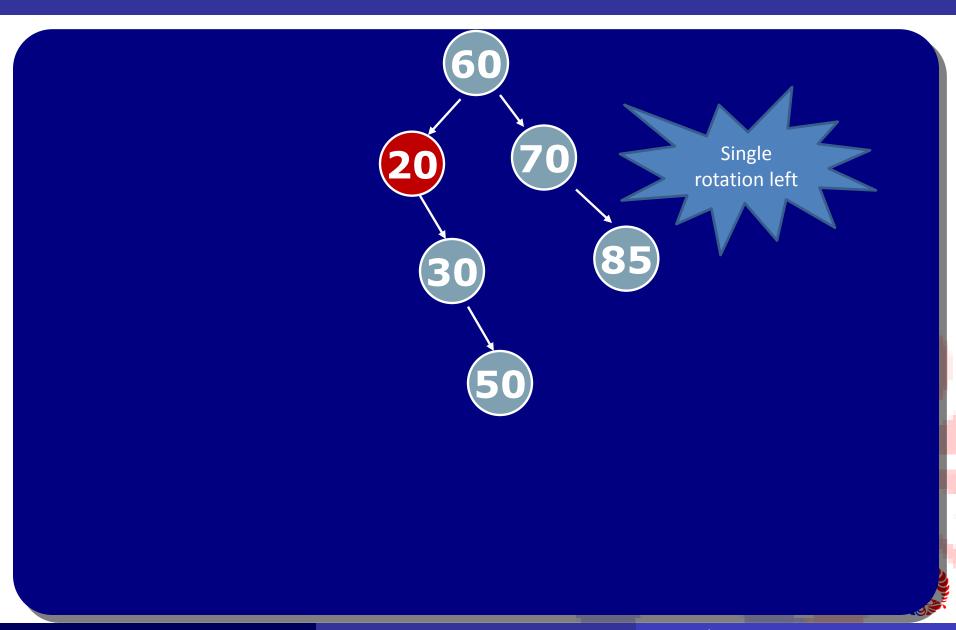


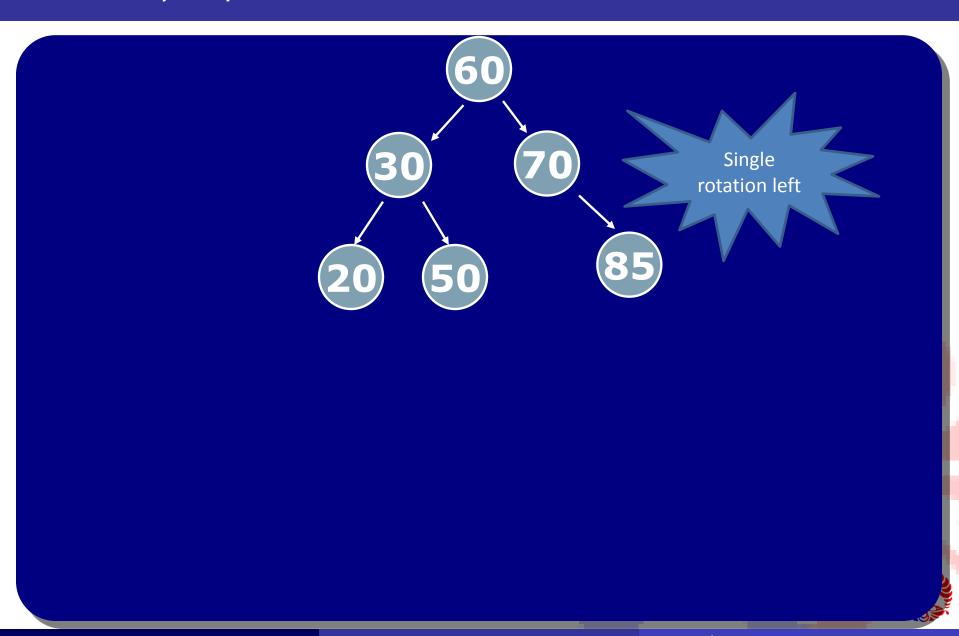




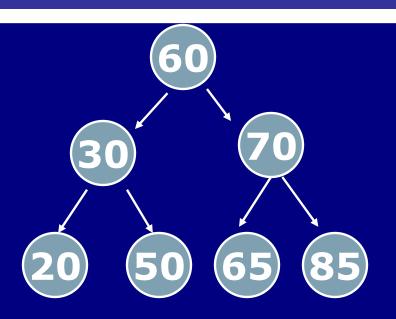




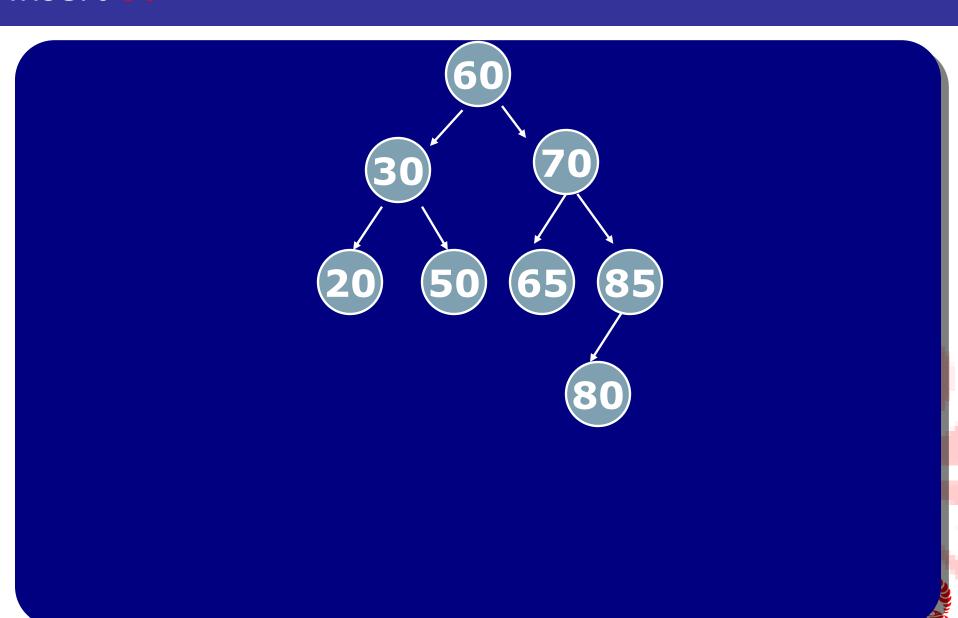




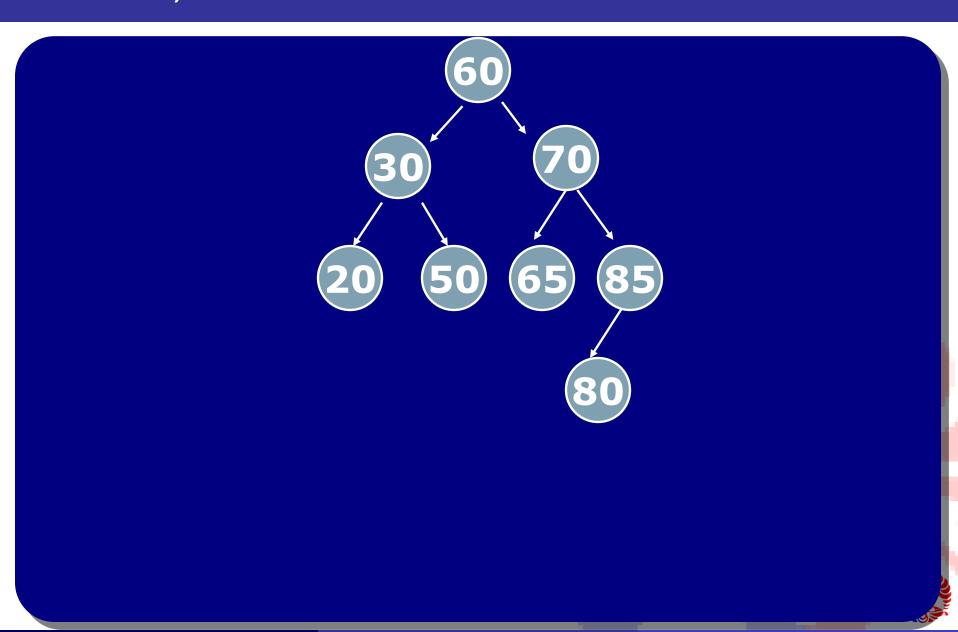
Insert 65, 80



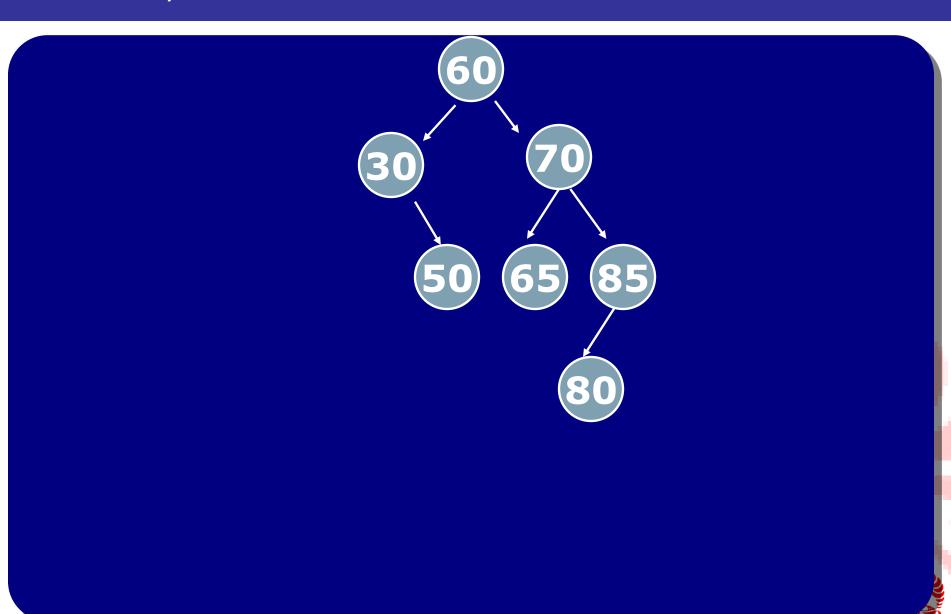
Insert 80

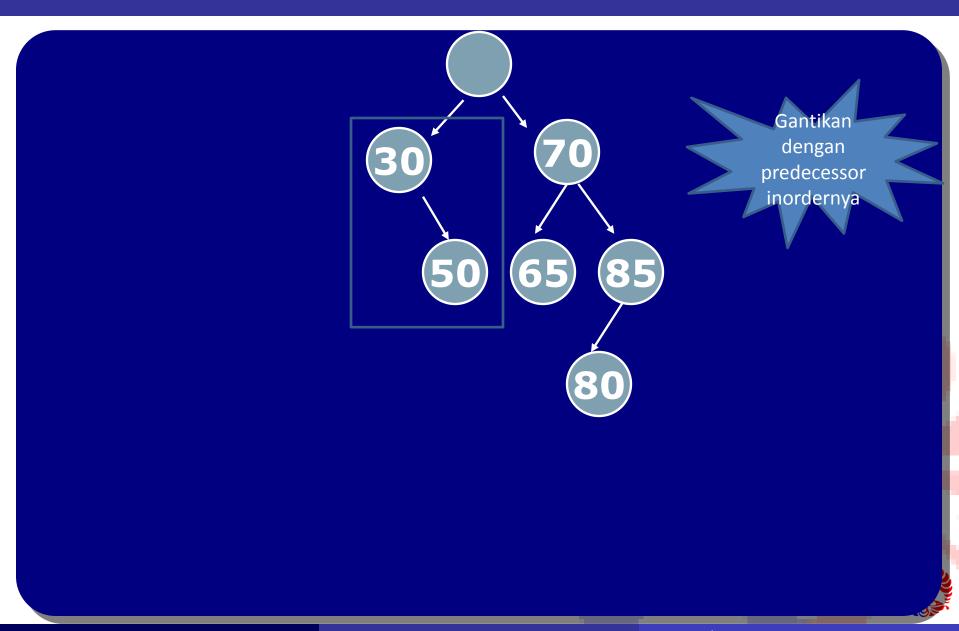


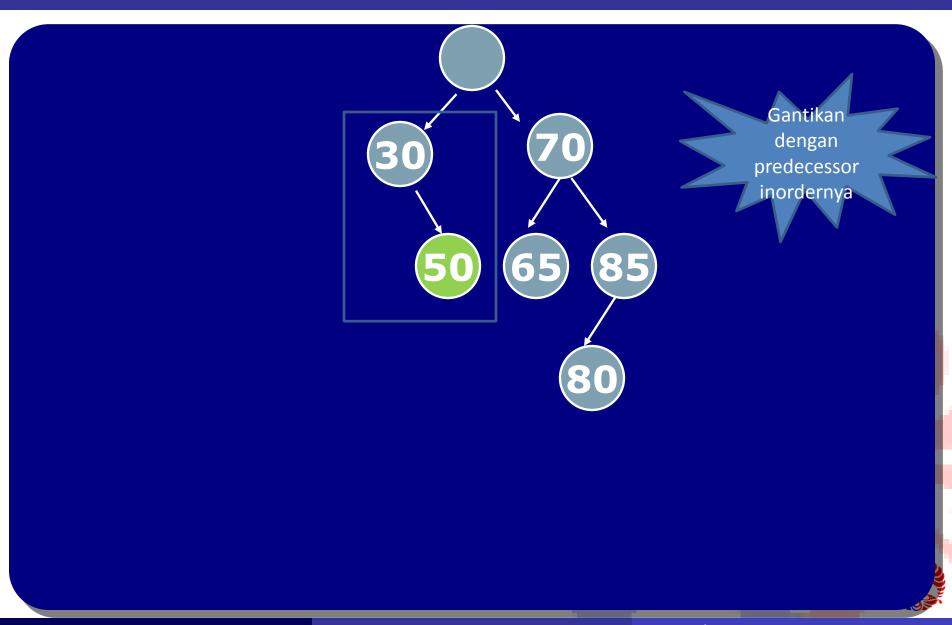
Delete 20, 60

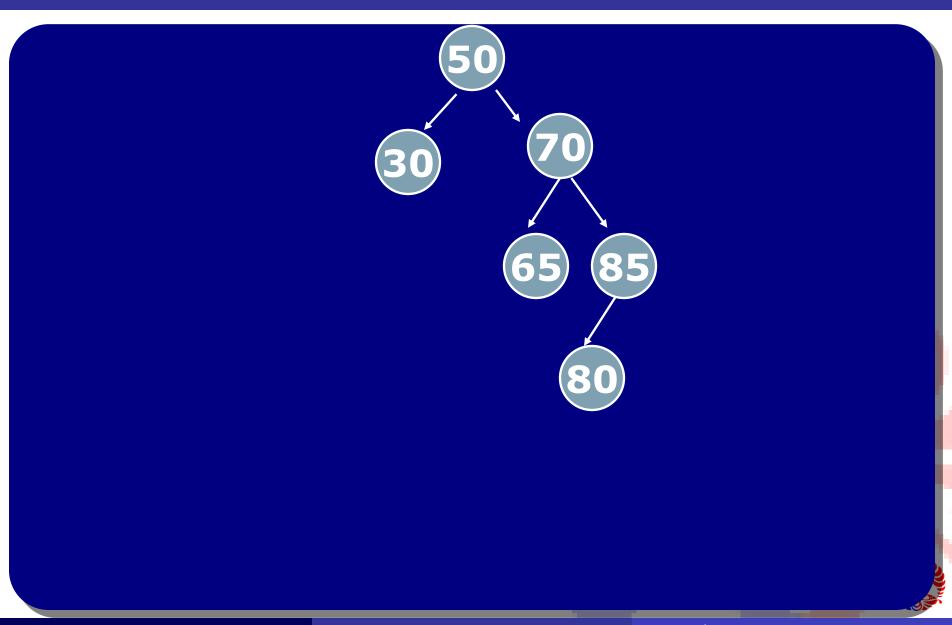


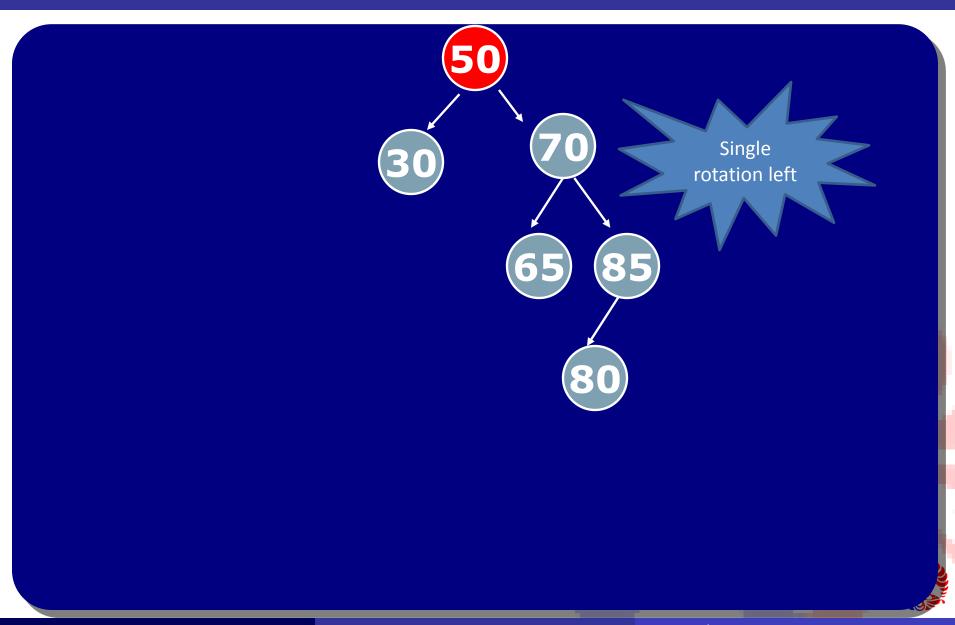
Delete 20, 60

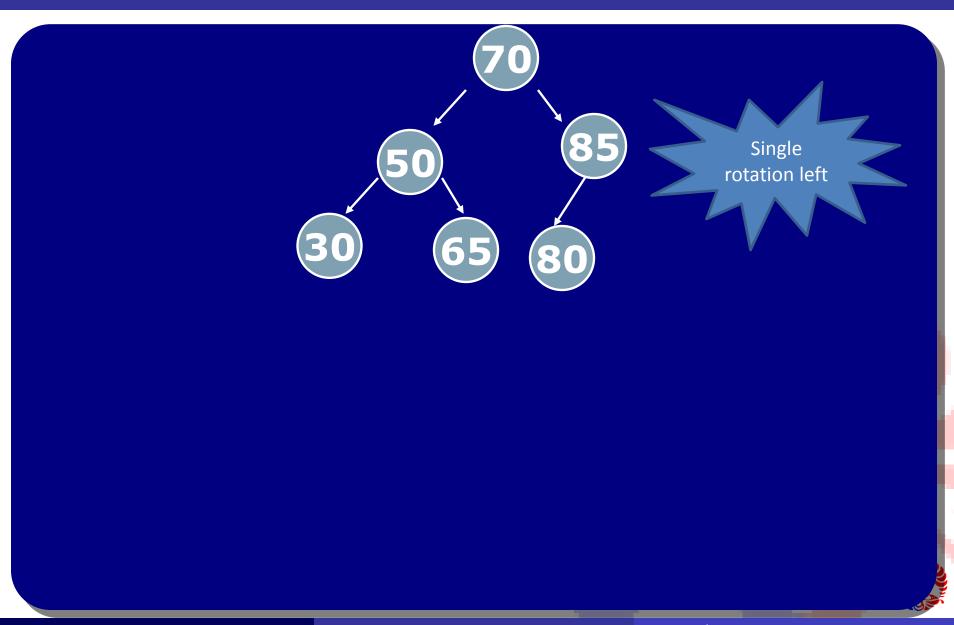




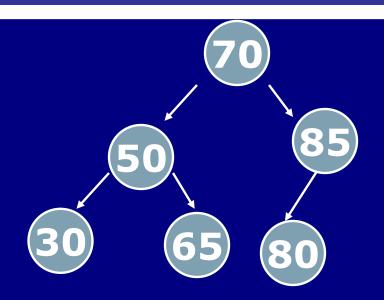




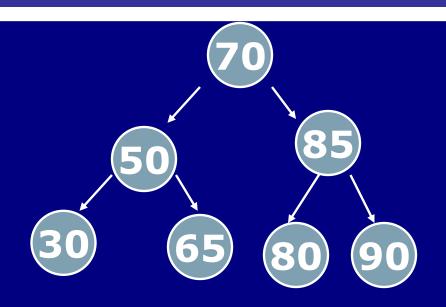




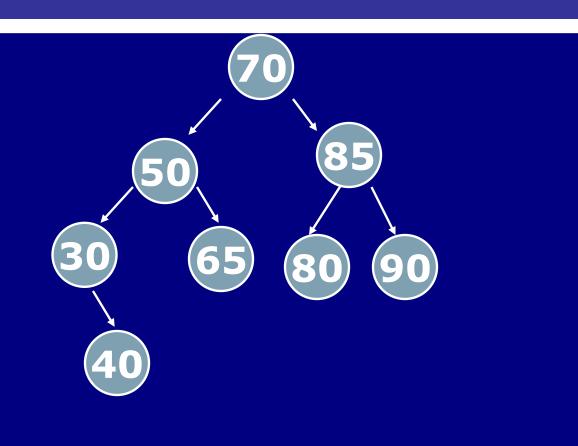
Insert 90, 40, 5, 55



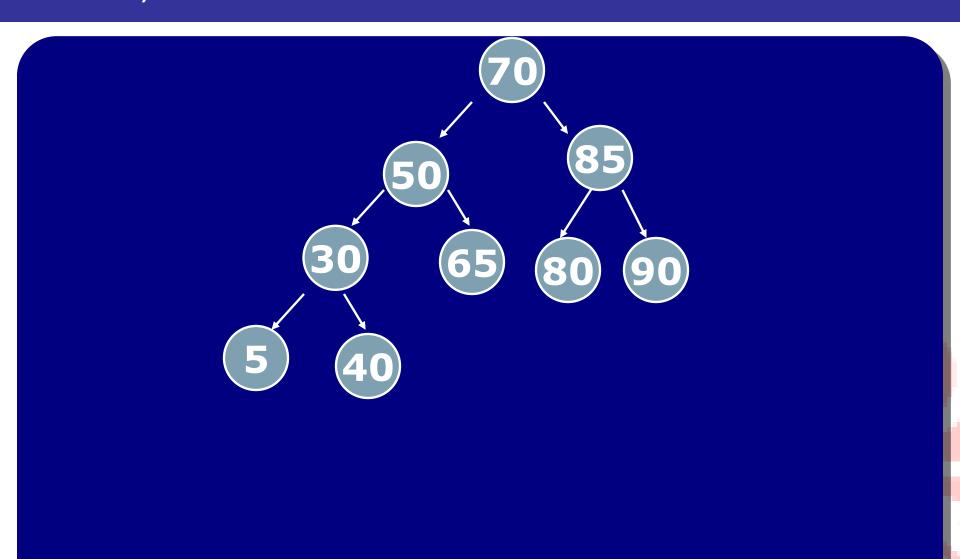
Insert 90, 40, 5, 55



Insert 40, 5, 55



Insert **5**, 55



Insert 55

