

- Inserting 3, 2, 1, and then 4 to 7 sequentially into empty AVL tree

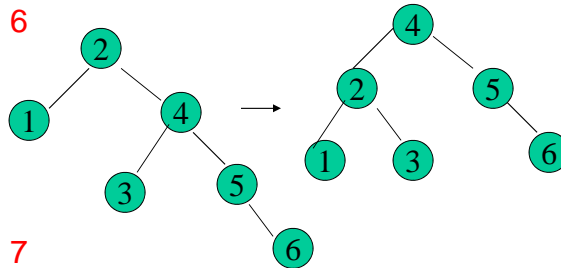


- Inserting 4

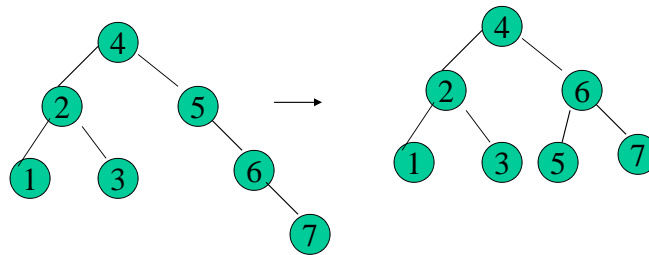


Example (Cont' d)

- Inserting 6



- Inserting 7



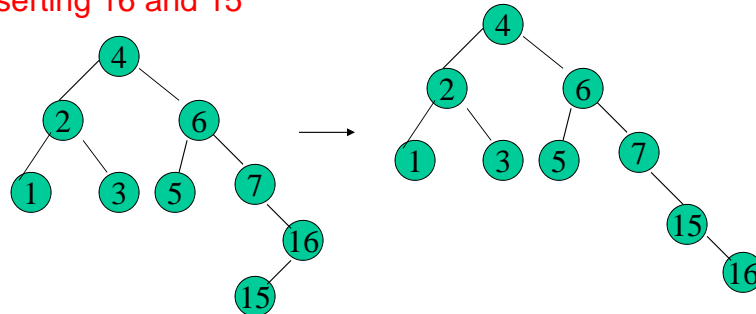
3

(Double Rotation)

4

Example

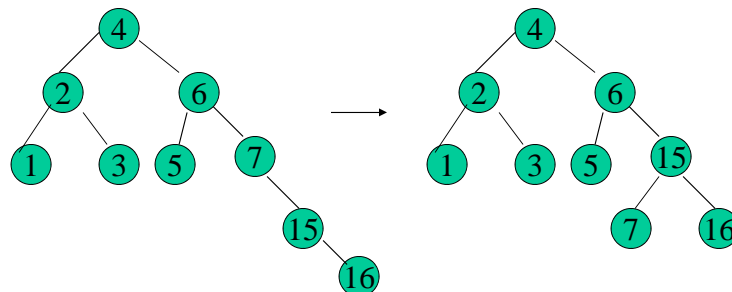
- Continuing the previous example by inserting
 - 16 down to 10, and then 8 and 9
- Inserting 16 and 15



5

Example

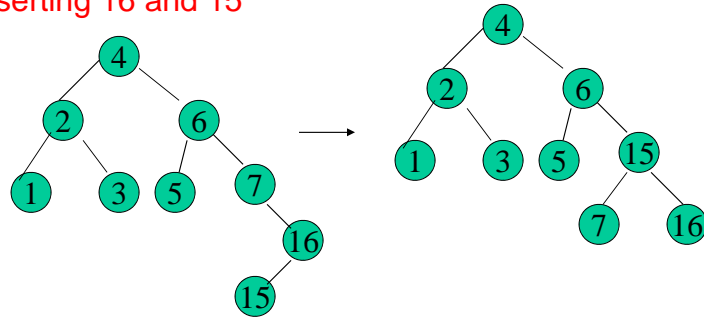
- Continuing the previous example by inserting
 - 16 down to 10, and then 8 and 9
- Inserting 16 and 15



6

Example (in 1 step?)

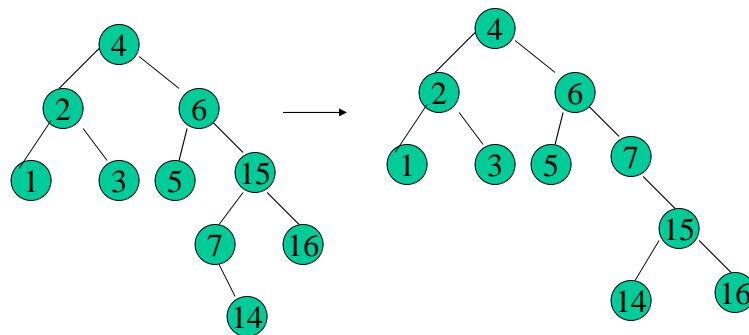
- Continuing the previous example by inserting
 - 16 down to 10, and then 8 and 9
- Inserting 16 and 15



7

Example (Cont' d)

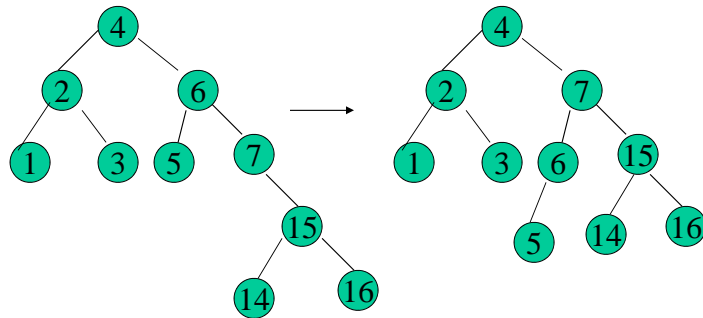
- Inserting 14



8

Example (Cont' d)

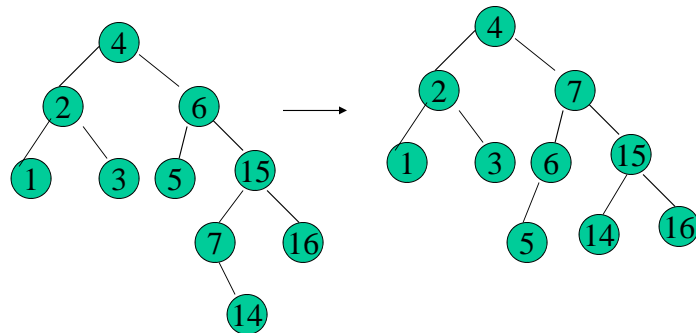
- Inserting 14



9

Example (Cont' d) – in 1 step

- Inserting 14



10