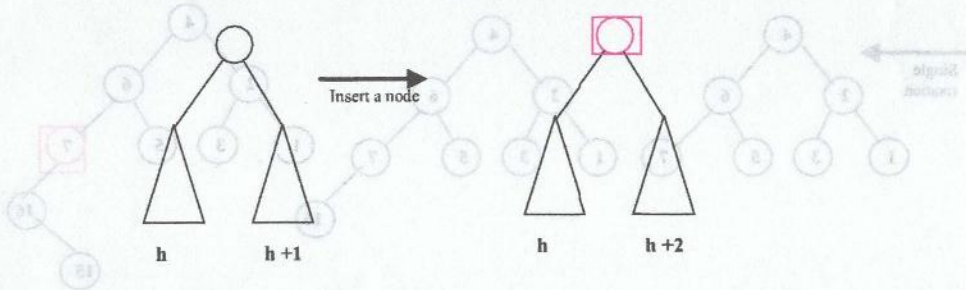
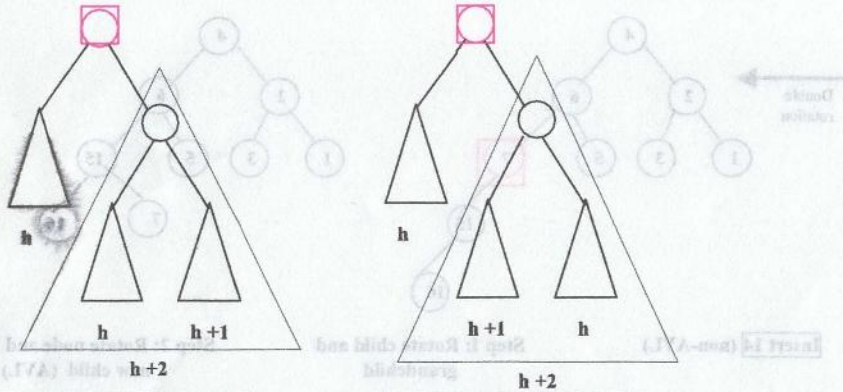


AVL Tree

No longer AVL, must rebalance



Two ways to expand subtree of height $h+2$:

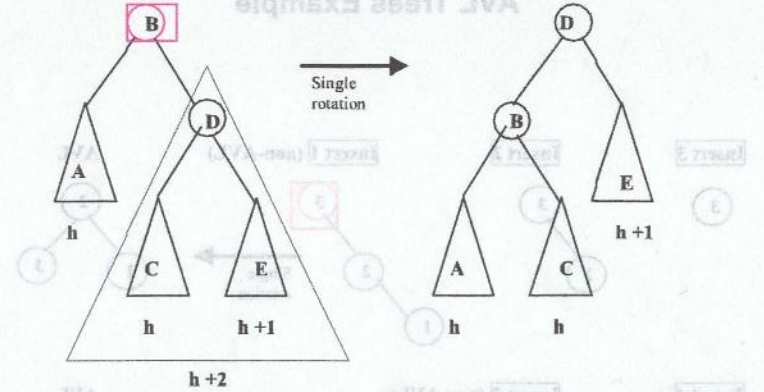


Apply a Single Rotation

Apply a Double Rotation

Note: the symmetrical case is handled identically (i.e. mirror image)

Single Rotation:



Double Rotation:

