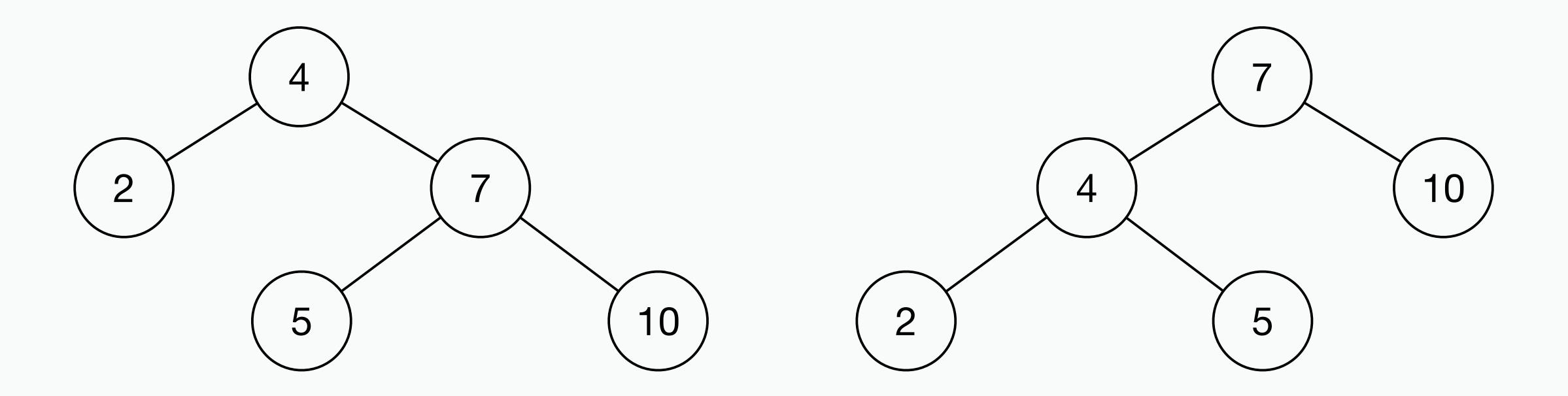
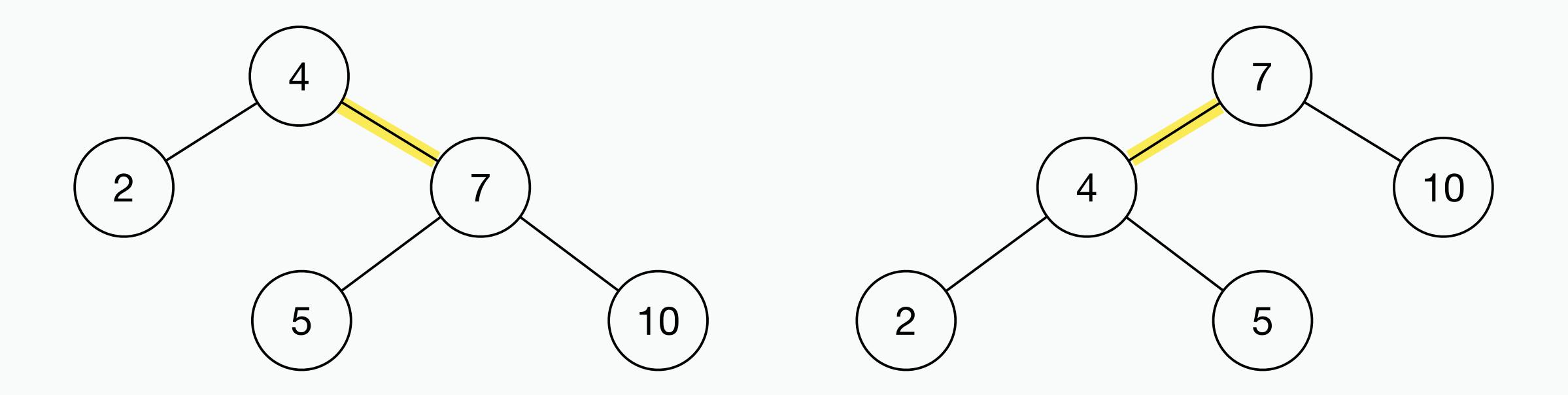


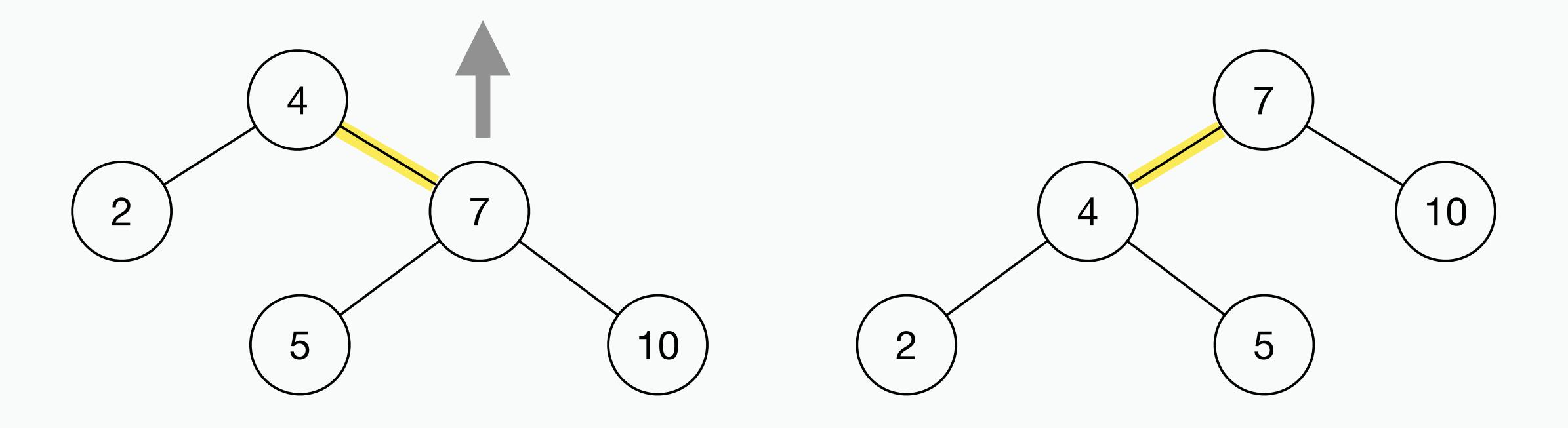
CS 124 / D a C S

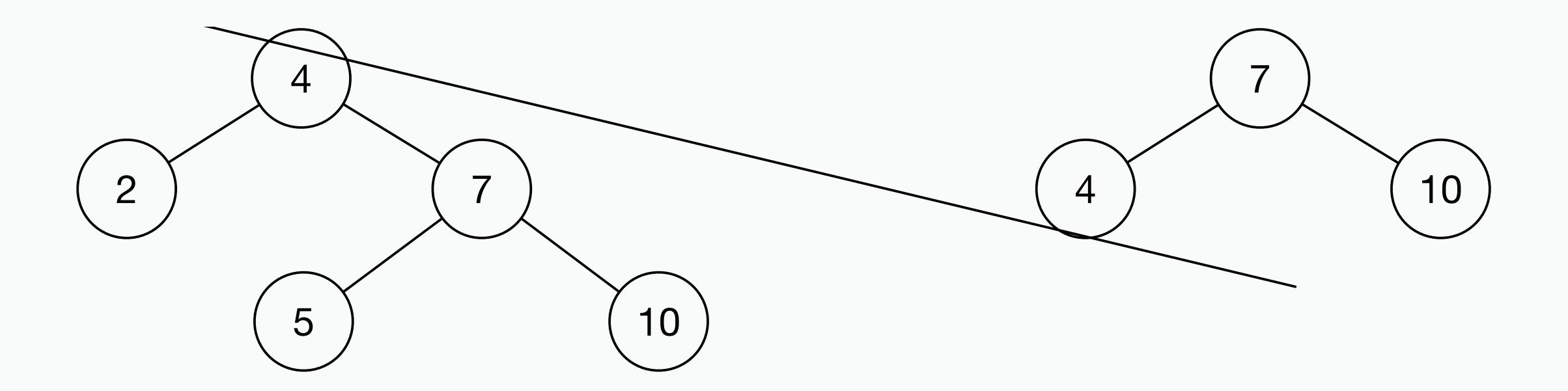
W a I a T R a ? ... a ! a ?

- Tree rotations are modifications of a tree that preserve the order of elements while changing the structure.
- Tree rotations are used in AVL trees (this module) and splay trees (next module) to balance a tree and to move a node to the root.
- This operation can be used on binary search trees without violating the BST properties.
- Subtrees can be rotated too.
- Inorder traversal order remains invariant.

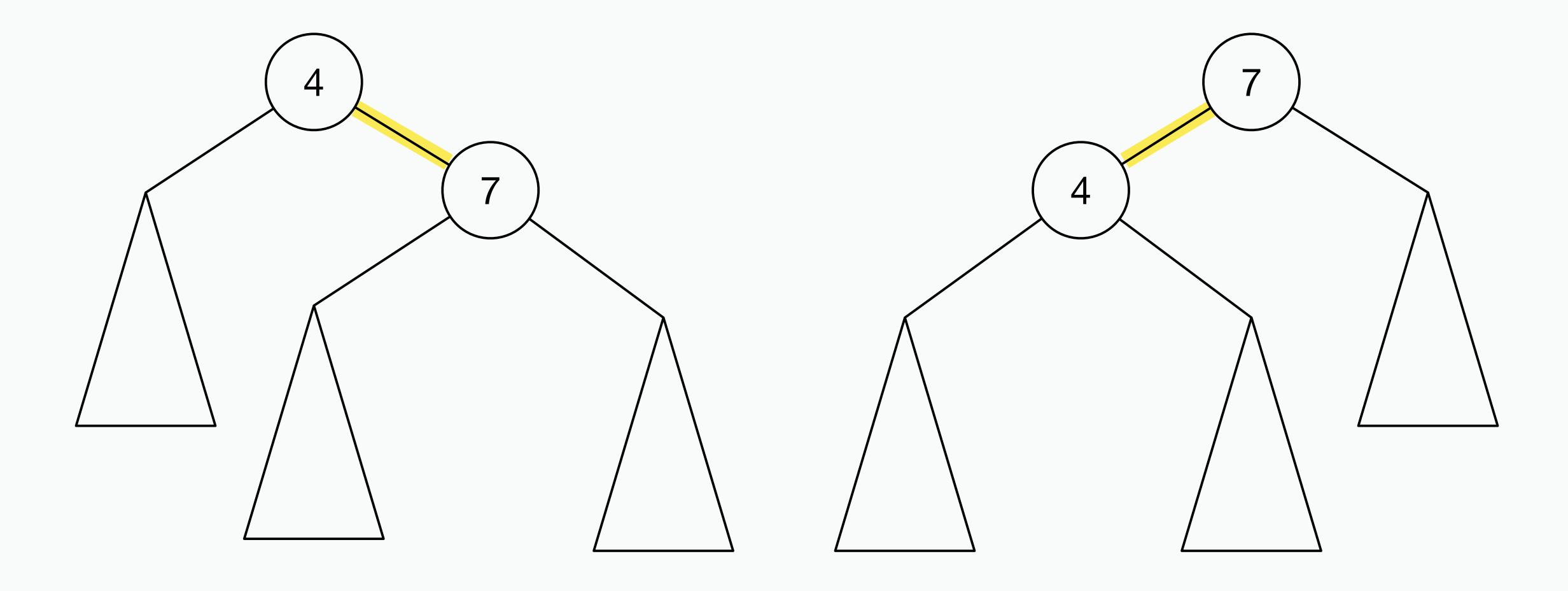




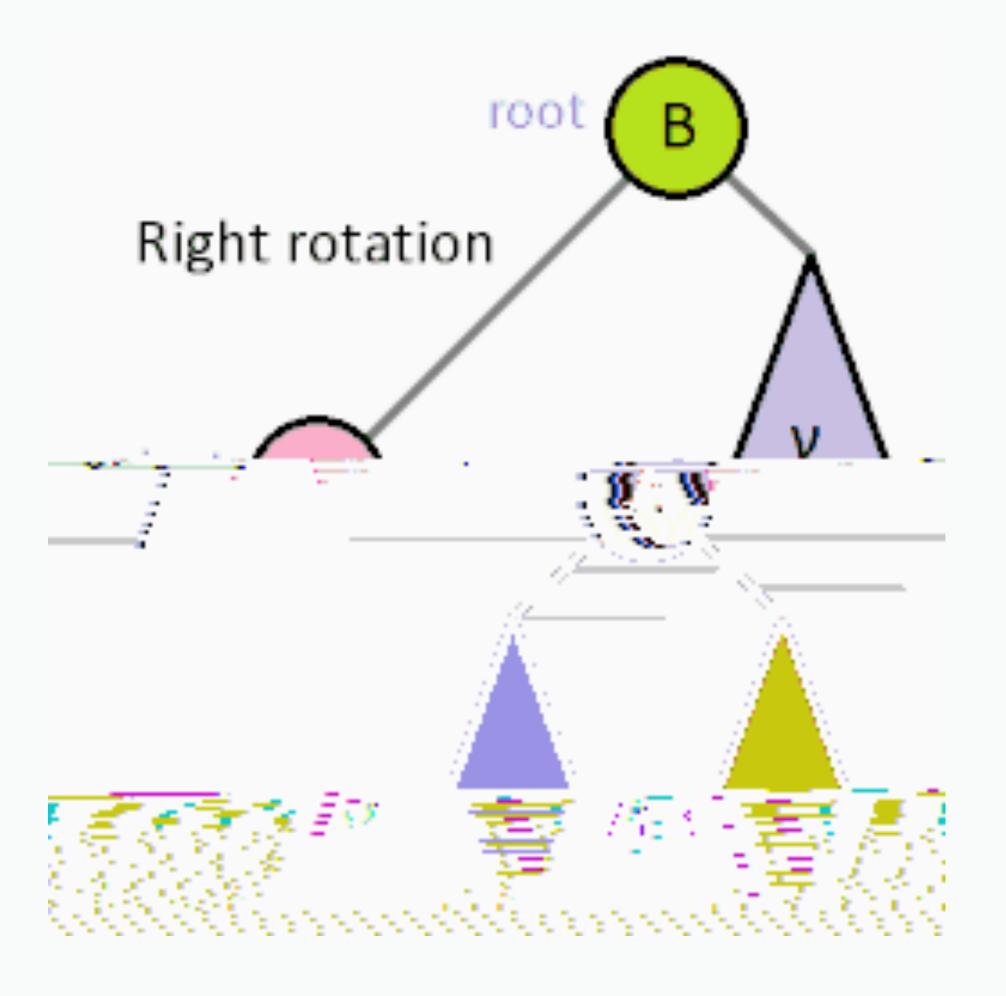




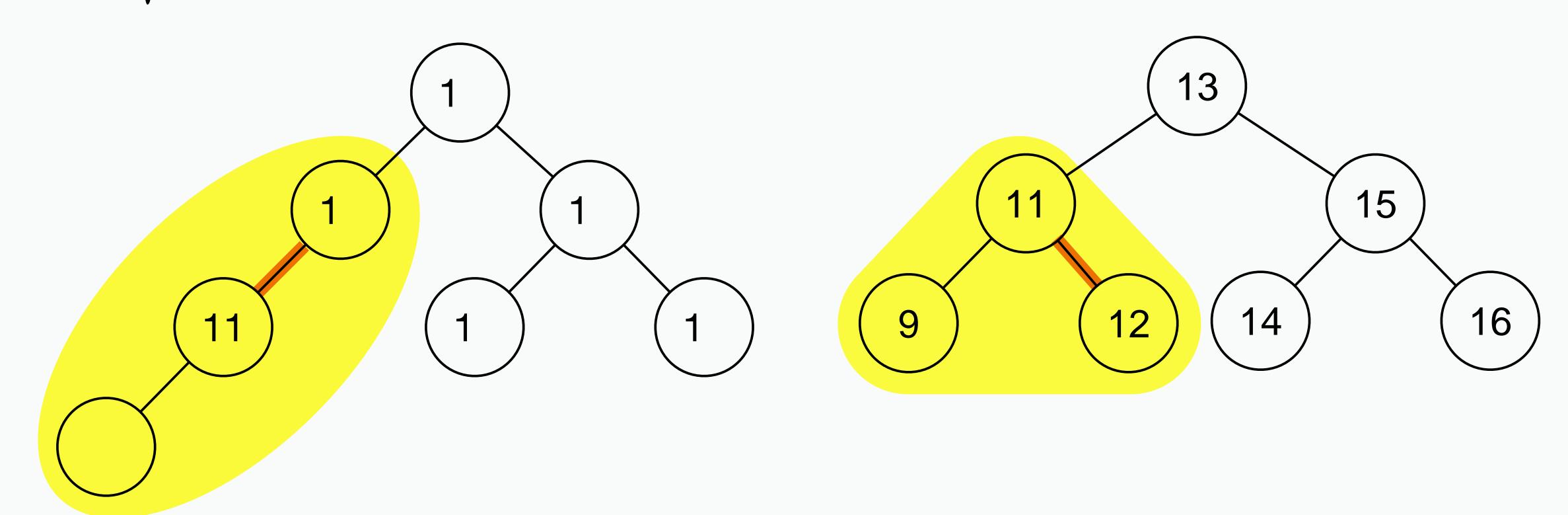
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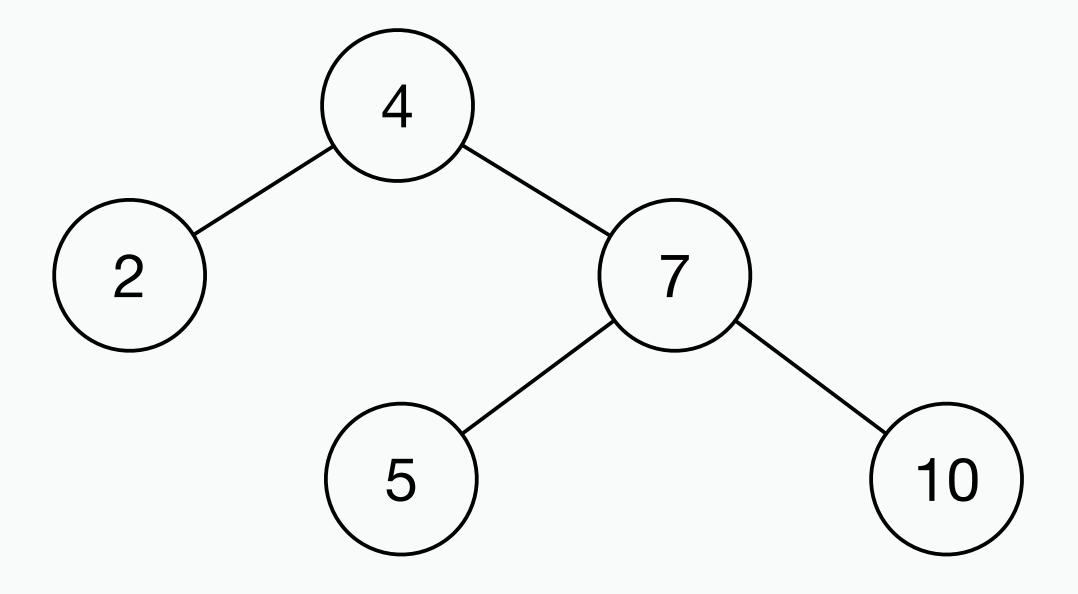


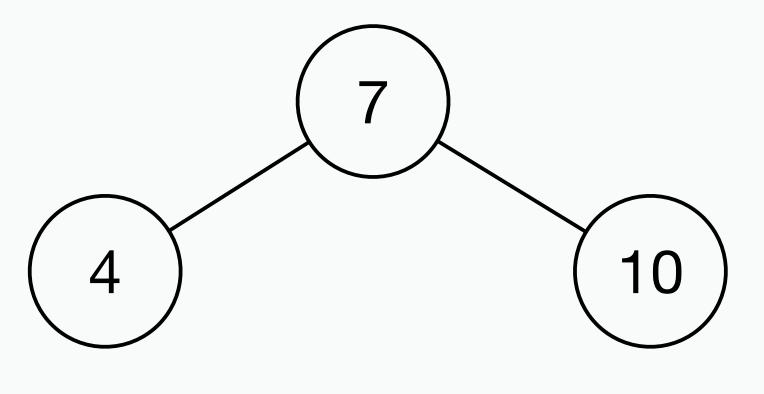
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Source: https://en.wikipedia.org/wiki/Tree_rotation#/media/File:Tree_rotation_animation_250x250.gif

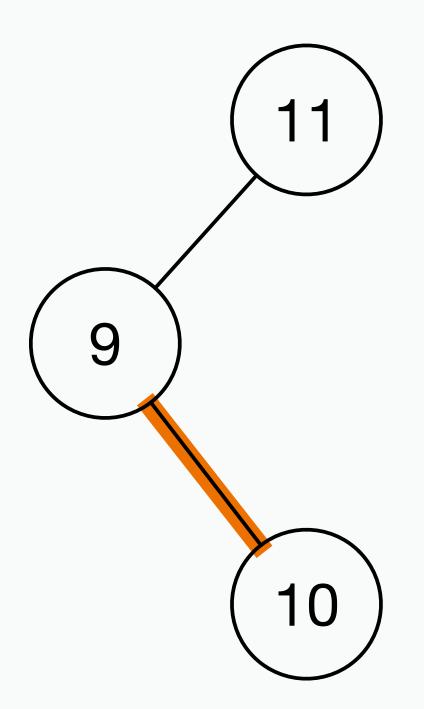






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