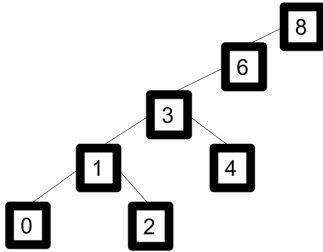


Balancing Trees

We are given the following extremely unbalanced search tree.



Select the minimum number of rotations in the correct order required to balance this tree. *Hint:* The resulting tree should have two layers of nodes below the root.

- Rotate left on 8
- Rotate right on 8
- Rotate left on 6
- Rotate right on 6
- Rotate left on 4
- Rotate right on 4
- Rotate left on 3
- Rotate right on 3
- Rotate left on 2
- Rotate right on 2
- Rotate left on 1
- Rotate right on 1
- Rotate left on 0
- Rotate right on 0