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Task 7.1P (AVL Tree)

Question 1:

* AVL Tree :

A close up of a mans face

Description automatically generated

* Balance Degree : 3
* Rotations :
  + Rotation #1
    - Type: Single Right rotation
    - Element 🡪 3
    - When element 3 was being inserted, the subtree was left heavy.
  + Rotation #2
    - Type: Right Left rotation
    - Element 🡪 5
    - When element 5 was being inserted, the subtree was left heavy.
  + Rotation #3
    - Type: Left Right rotation
    - Element 🡪 8
    - When element 8 was being inserted, the subtree was left heavy.
  + Rotation #4
    - Type: Single Left rotation
    - Element 🡪 30
    - When element 30 was being inserted, the subtree was right heavy.
  + Rotation #5
    - Type: Right Left rotation
    - Element 🡪 15
    - When element 15 was being inserted, the subtree was right heavy.
  + Rotation #6
    - Type: Right Left rotation
    - Element 🡪 17
    - When element 17 was being inserted, the subtree was right heavy.

Question 2: