Double Rotations

You do a double rotation if
I'm right heavy &
my child is left heavy
- or -
I'm left heavy &
my child is right heavy

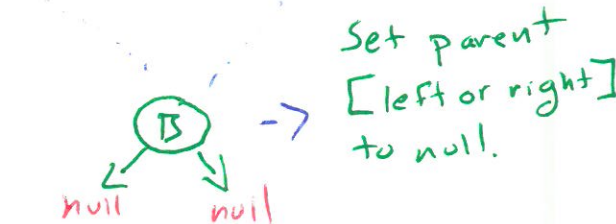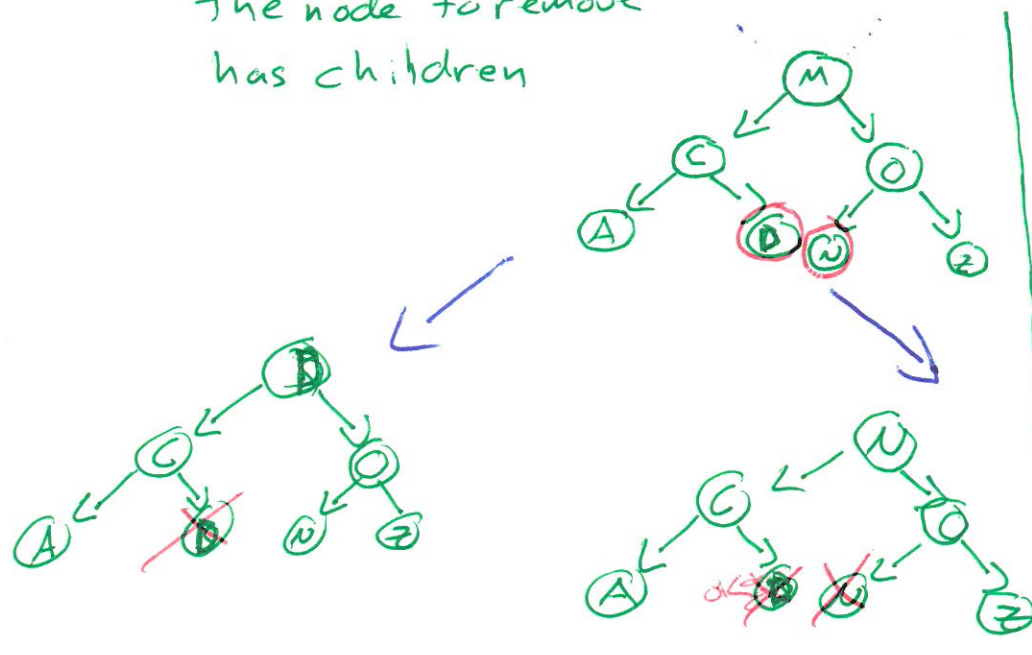# Deleting in a Binary Tree

Case #1
there is 1 node

root
↓
M
null ← → null

→ root
↓
null

Case #2
The node to remove has no children

B
null ← → null

→ Set parent [left or right] to null.

Case #3
The node to remove has children

M
C   O
A D N Z

Step #1: Pick a side.
If you pick left, find the right-most node (on the left)
if you pick right, find the left-most node (on the right)

Step #2: Replace deleted node with selected node

Step #3: Remove the node you moved.

D
C   O
A D N Z

N
C   O
A D N Z