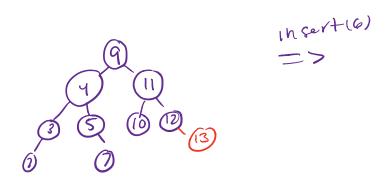


- 1. Cheek children (60)
- 2. leaf node.
- 3. get parent (10).
- 4. Set parent = left to woll 5. relet 10

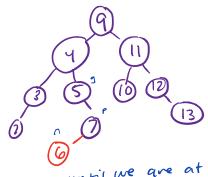


- 1. Insert 13 @ 12 > right value
- 2. set all pointers and uplate Balane & parent and 13.
- 3. Insert Fix (12,13)
- insert Fix (11, 12)

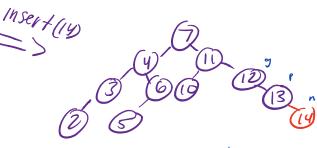




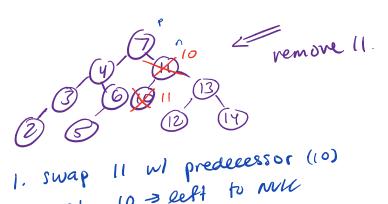
- 1. Check how many children 1 has. 2. 9 has 2 children, so swap w
- predecessor. (7) 3. Set the root to 7.
- 4. Set 6 -> right to and auter
- 9. 5. Remove Fix (6, -1)
- 6. Set Balance (6) = -1 dure!



- 1. go until we are at a leaf, 7's left child
- z. update all pointers and balances of 6 and 7.
- 3. Insert Fix (7,6)
- 4. 11 Right Left case rotate right (7) rotate lift (5)
 - 5. done, no recursing



- 1. Insert 14 @ 13 Right
- 2. Set 13's balance to 1.
- 3. Insert FIX (13, 14)
- 4. // left case rotate left (12) set Balane of 13 30 set Balane 12 30.



- 2. set lo = left to mic
- 3. derete 11.
- y. remove Fix (10, 1)
- 5. ndiff = -1
- G. 11 219 213 cage rotateleft (10) Set Balance (10) = 1 8(+ balance (13) = -) done!

