Start



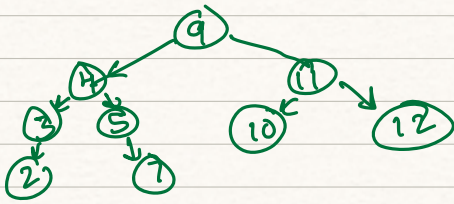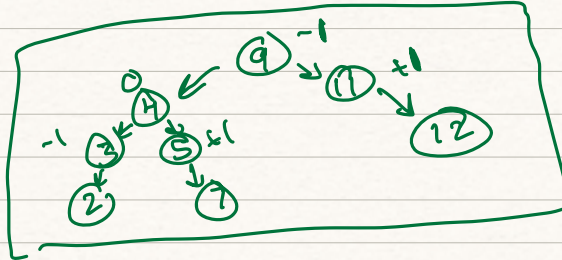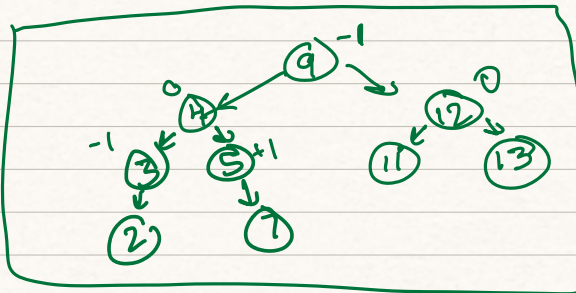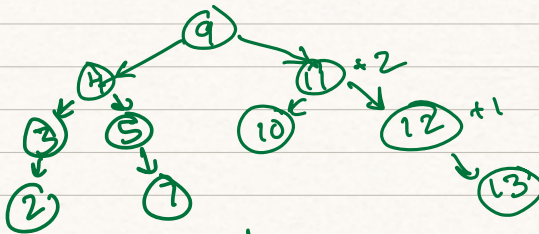## Remove 12

10 node gone, does
not upset balance
(Lead so -2)



## Insert 13
- goes in rights of 12, does not ruin balance but shifts #s slightly
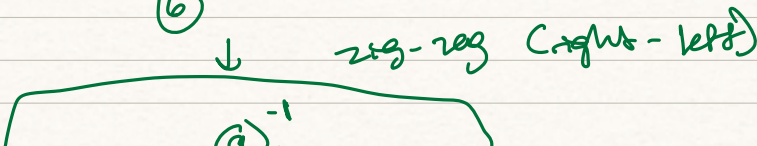


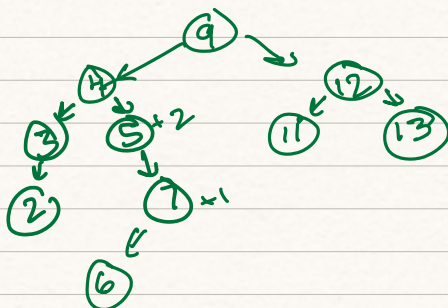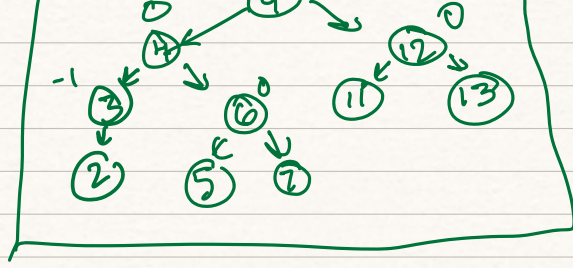zig-zig (right - right) so rotate 11 left

→ good

## Insert 6
- goes left of 7 → now some imbalances



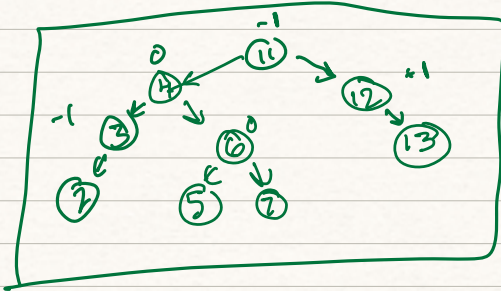↓   zig-zag (right - left)   so rotate 7 right, & then
                                        5 left
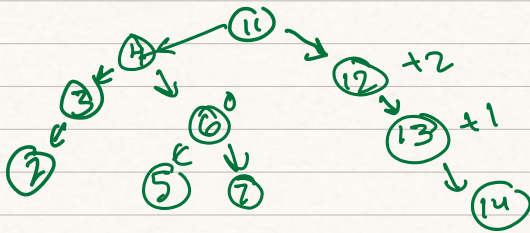
## Remove 9

→ move up successor (leftmost of right → 11)



• balanced ✓

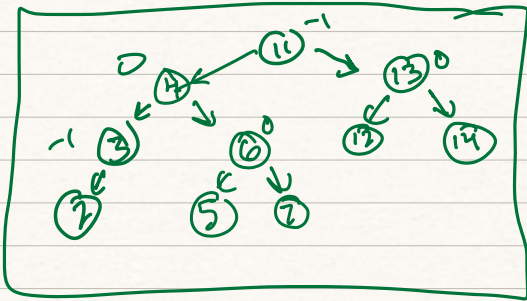## Insert 14
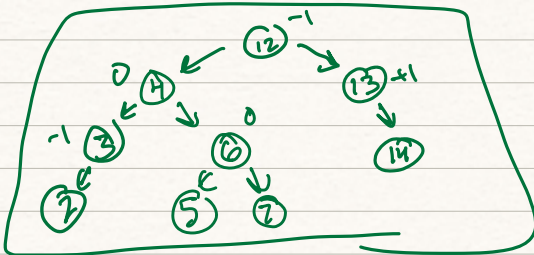
- goes to right of 13



↳ zig-zig (right right) so rotate 12 left



good ✓

## Remove 11

- swap 11 w/ successor (13) & then remove it



• good ✓