

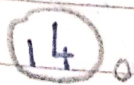
Quiz

Muhammad
Fahad
Fai9-BSSE-0014
AM
Date:

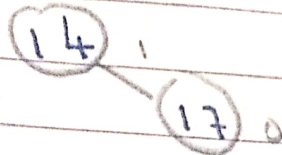
Insertion :

14, 17, 11, 7, 53, 4, 13, 12, 8, 60, 19, 16, 20

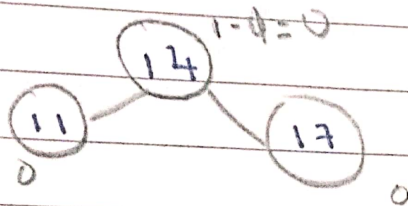
Step #1:-



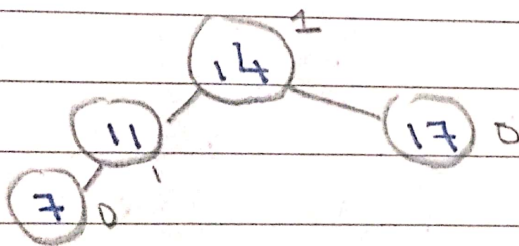
Step #2:-



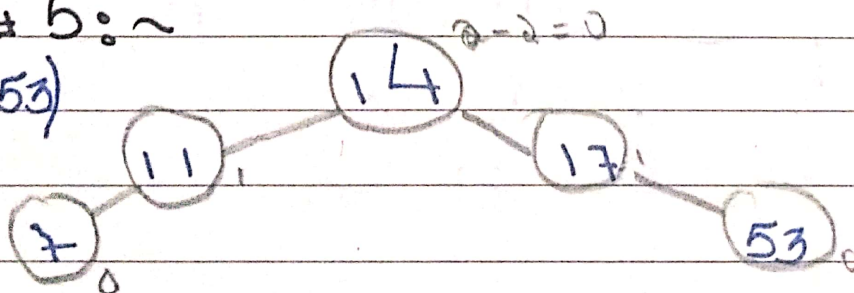
Step #3:-



Step #4 (insert 7)

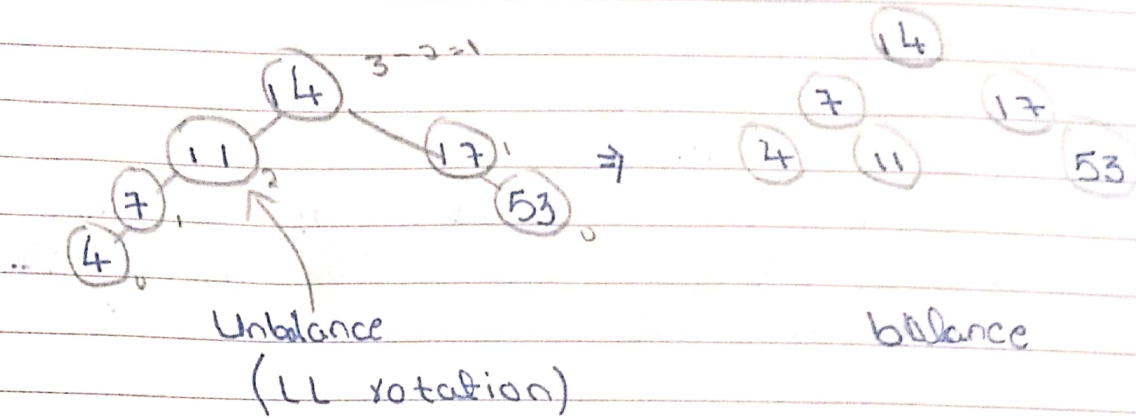


Step #5:-
(insert 53)

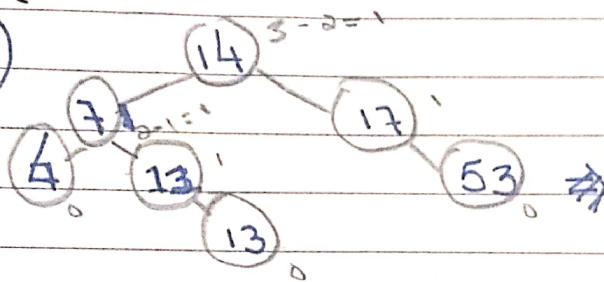


Date: _____

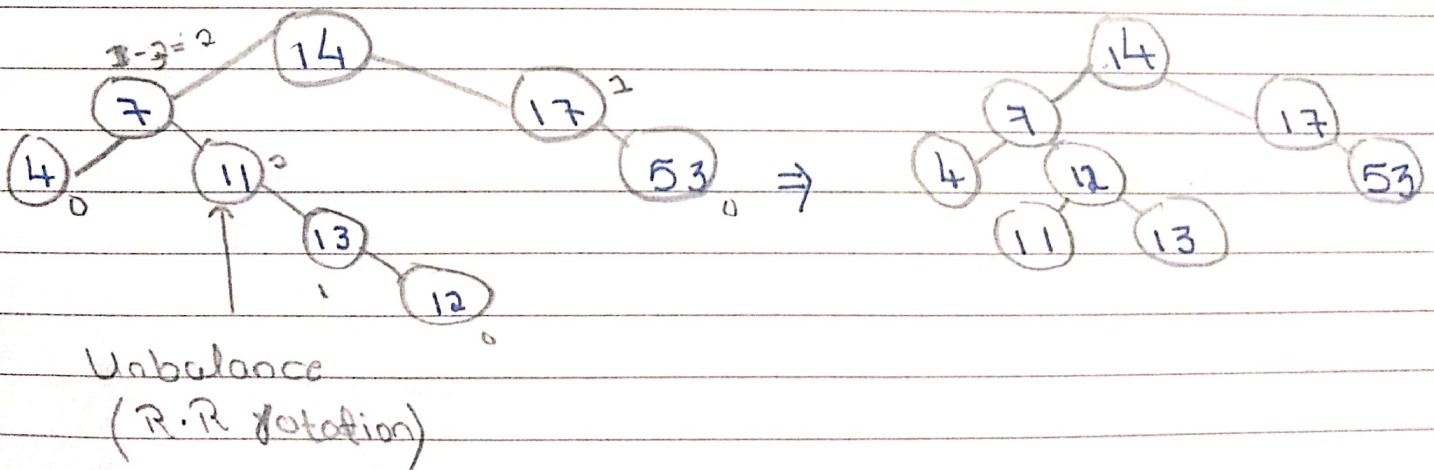
Step # 6:-
(insert 4)



Step # 7:-
(insert 13)

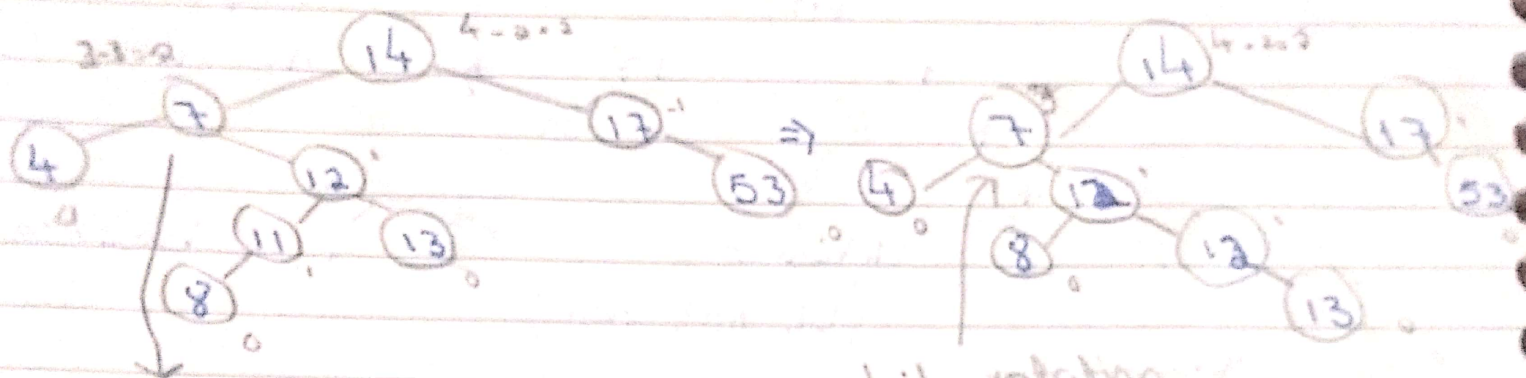


Step # 8:-
(insert 12)

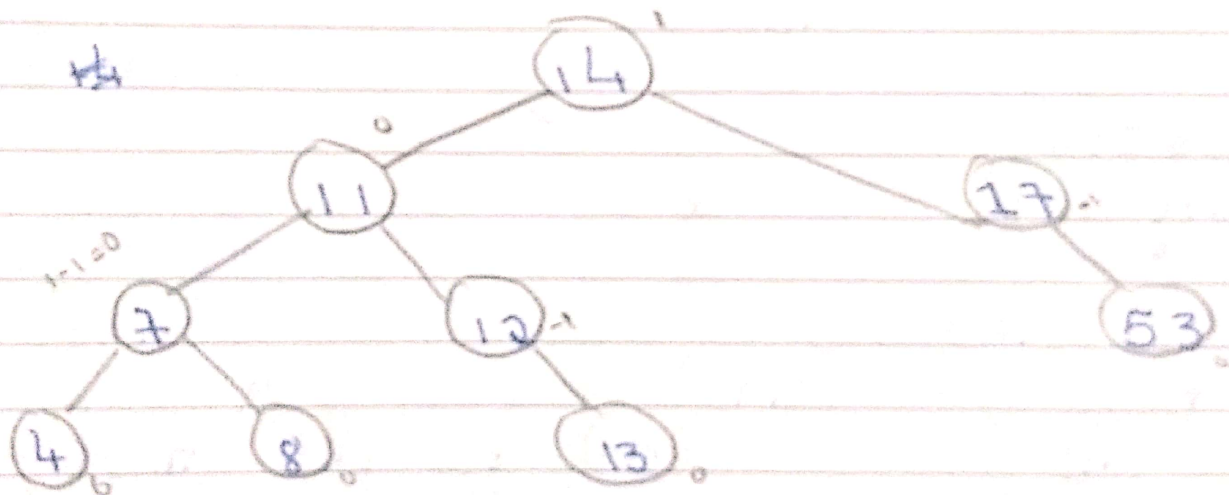


Date: _____

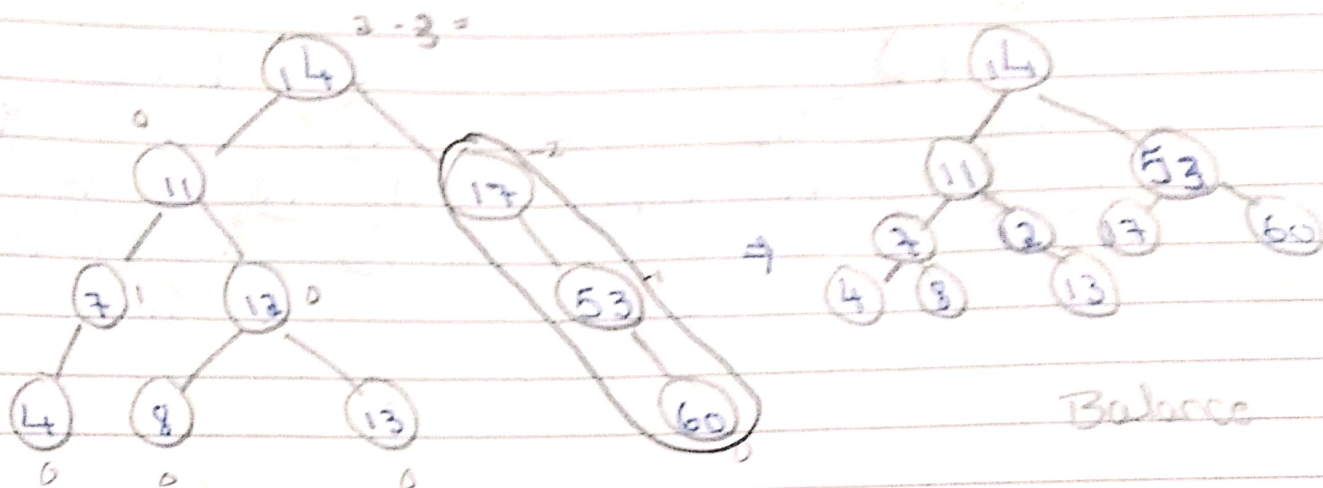
Step 9:-
(insert 8)



L.L. rotation
(unbalance)

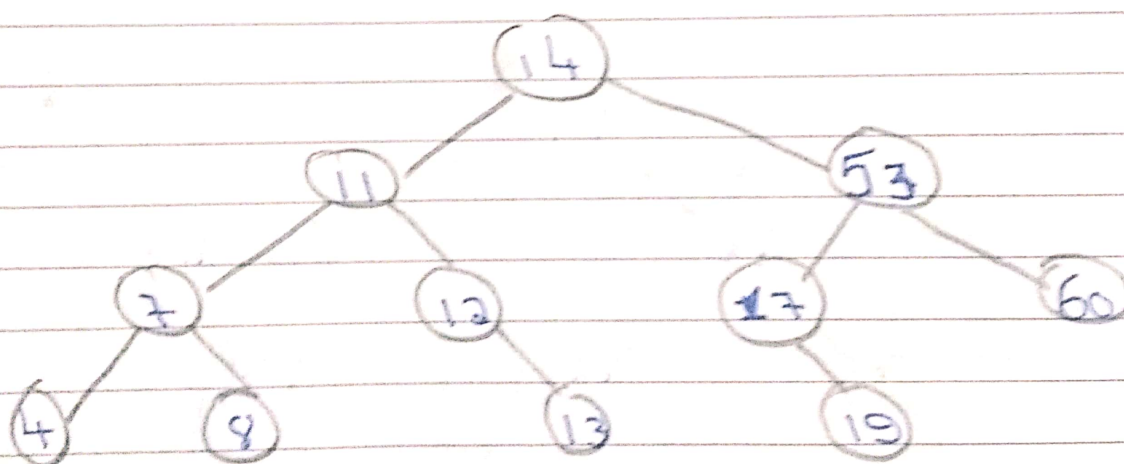


Step # 10
(insert 60)



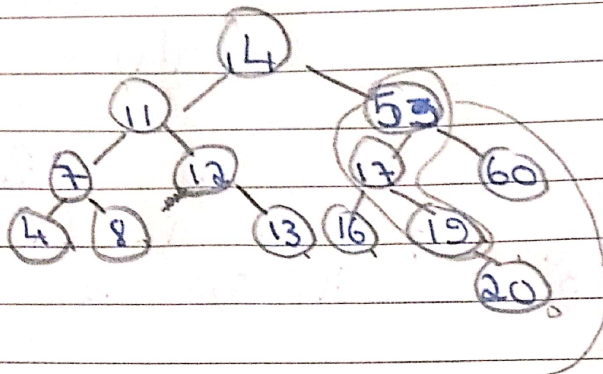
Balance

Step # 11
(insert 19)
(RR rotation)



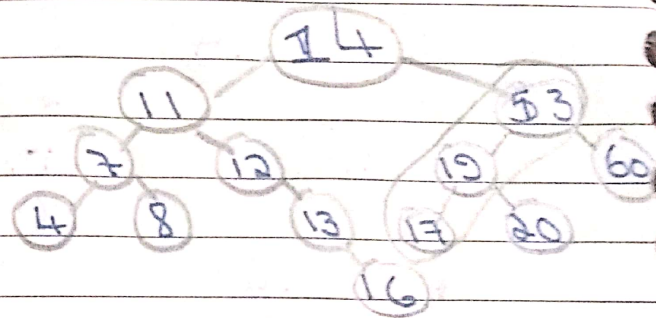
Date: _____

Step # 12
(insert 20)



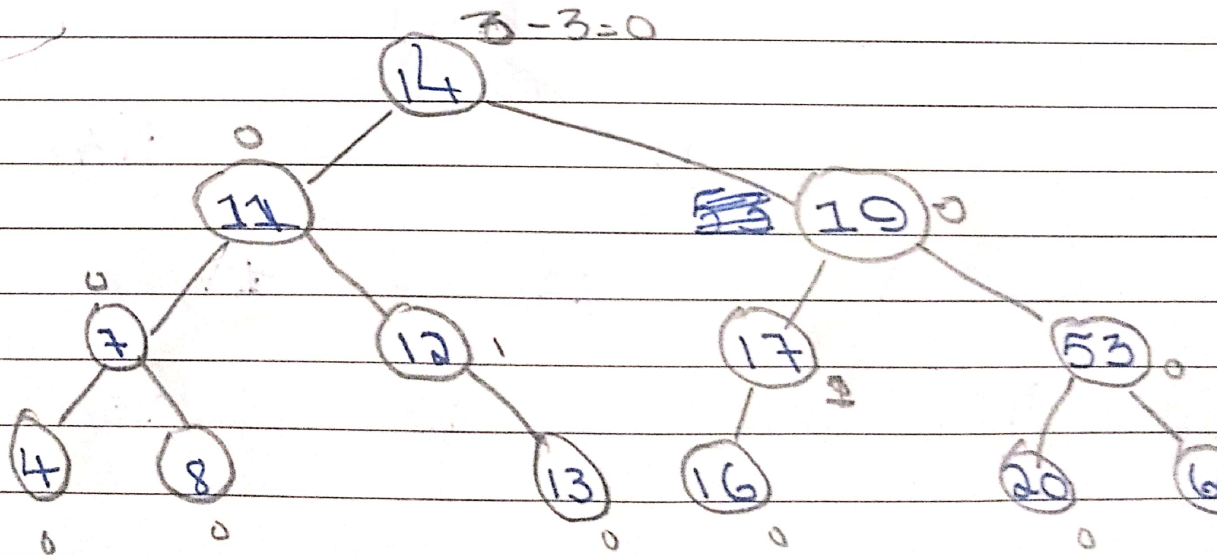
Unbalance
(R.L case)
(53, 17, 19)

\Rightarrow



unbalance
(LL case)
(53, 19, 17)

Now final product will be

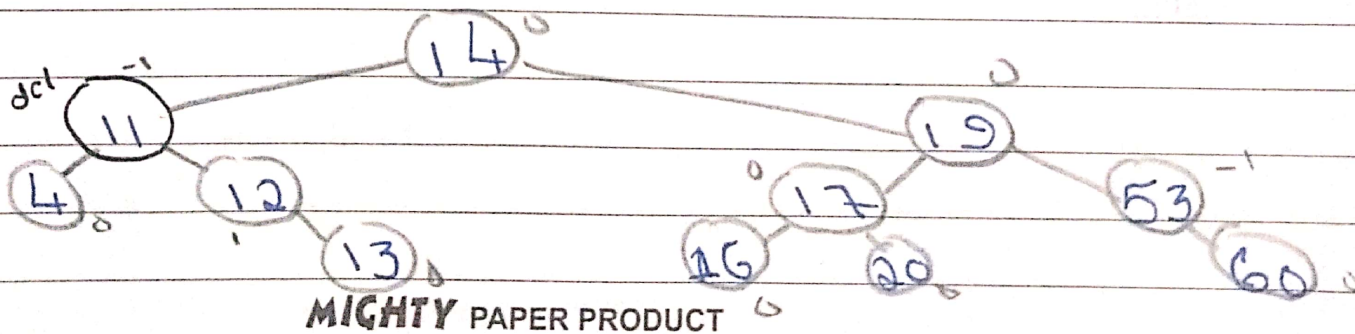
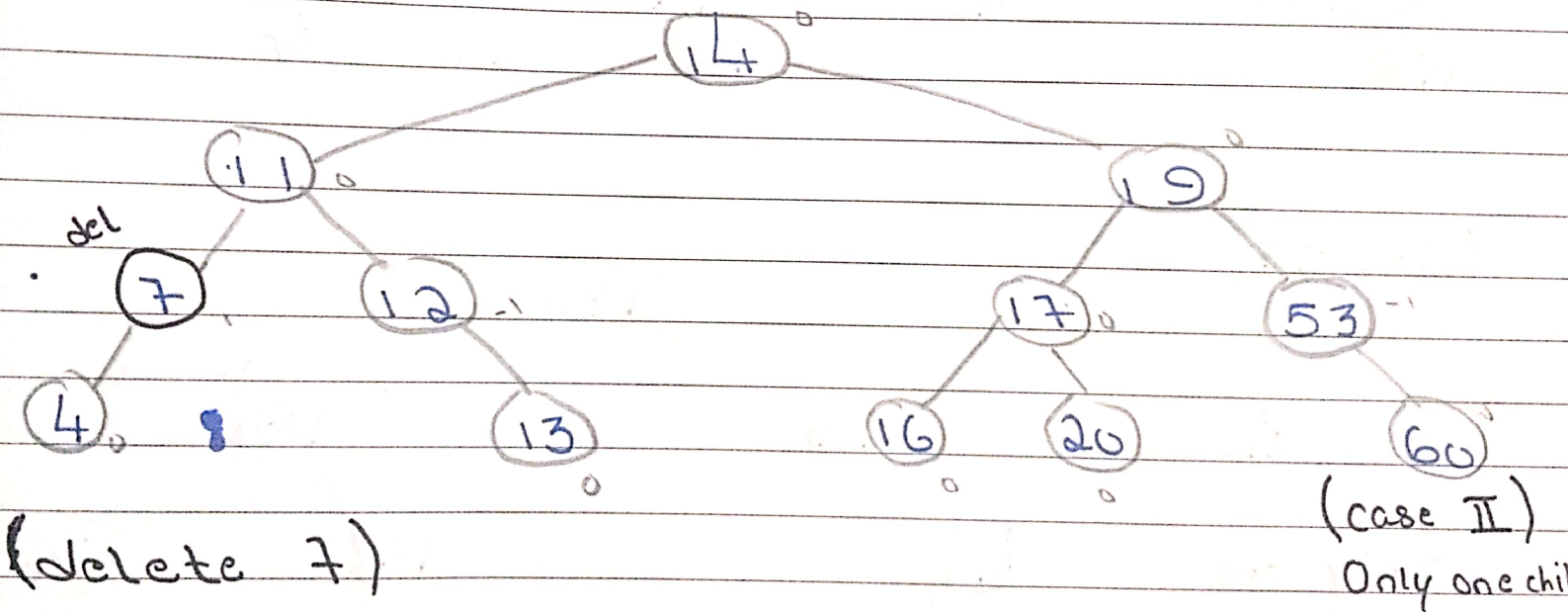
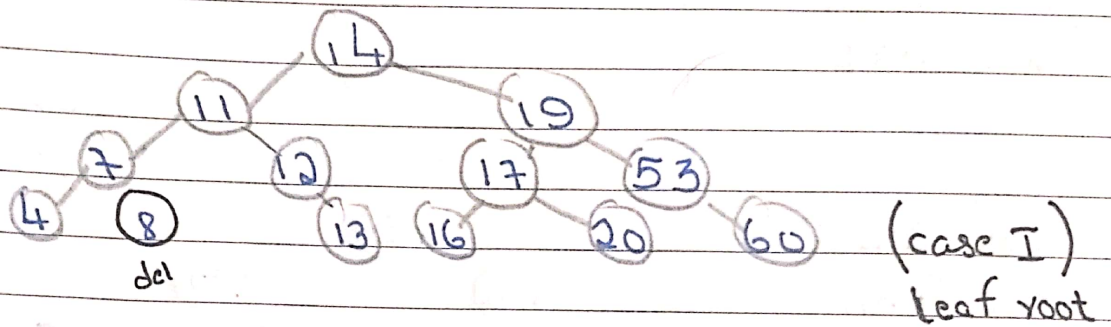


Date: _____

Delete:-

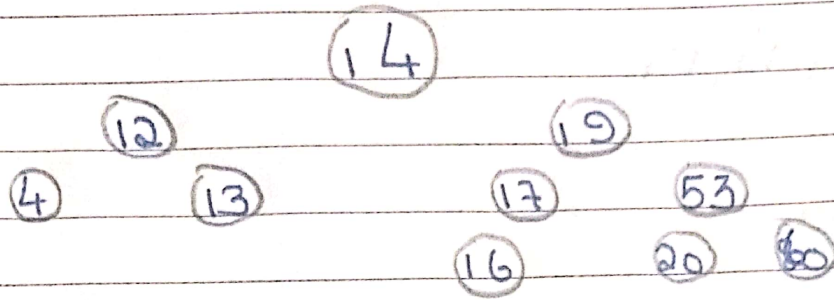
8, 7, 11, 14, 17

Step # 1
(delete 8)



Date: _____

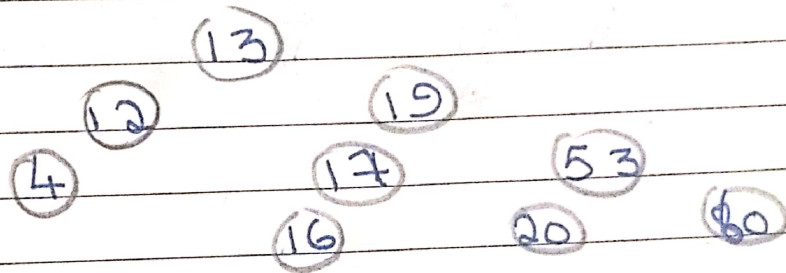
(delete 11)



(del 14)

(Case III)
two child
min of right

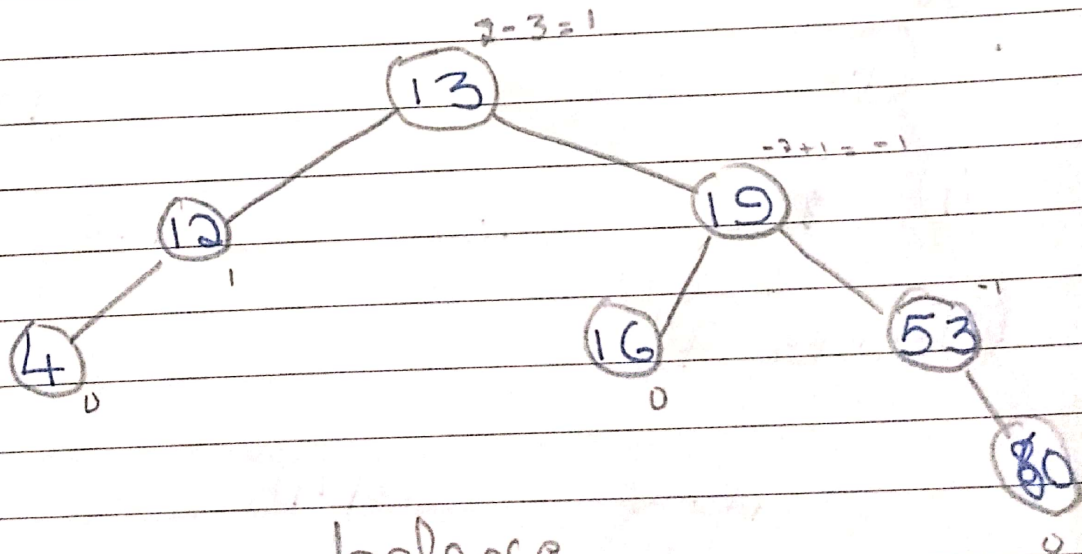
Case III
max from
left become
right.



(del 17)

Case II

Only one
child



balance