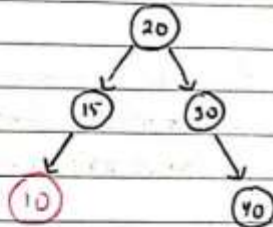
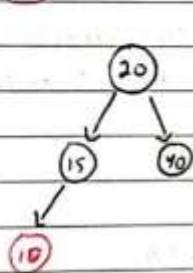


Deletion 30

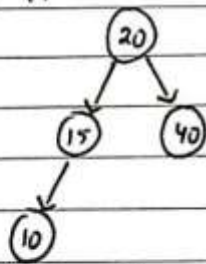


if the Successor is Red
we change the successor to black

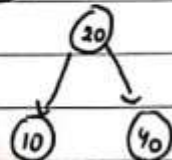


Replace
then delete the node

Deletion 15



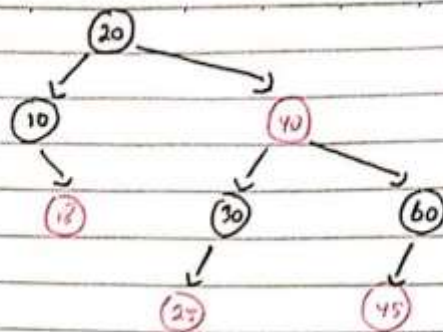
if the successor is Red
we change the successor to black



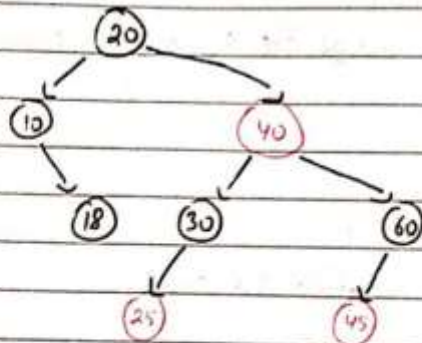
Replace
then delete the node

No.

Date

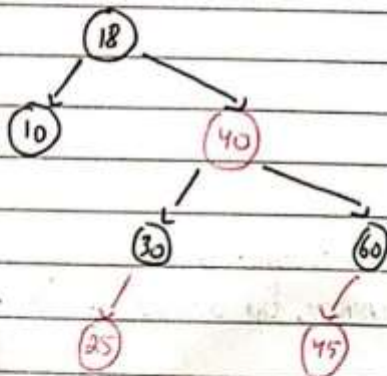


Delete 20



find the Successor
(biggest node in sub-tree left
or smallest node in sub-tree right)

if the successor is Red
we change the successor to black

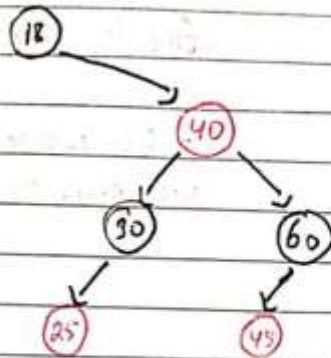


Replace
then delete the node

No.

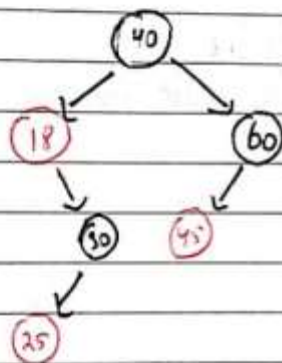
Date

Delete 10



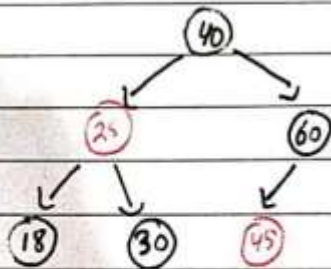
find the Successor
If none, delete the node

note : do left Rotation
to stabilize the RB-Tree



Change the root to Black
change 18 to ~~black~~ Red
to stabilize the RB-tree

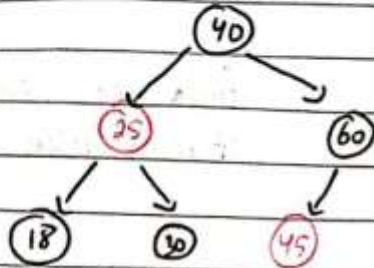
note : do Right-left Rotation
to stabilize the RB-tree



No.

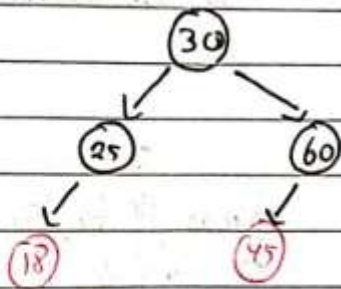
Date

Delete 40



find the successor

if the successor is Red
we change the successor to Black



Replace
then delete the node

