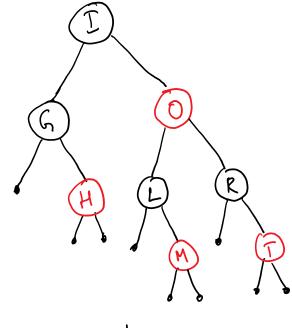


No Sibling We can remove black token at root.



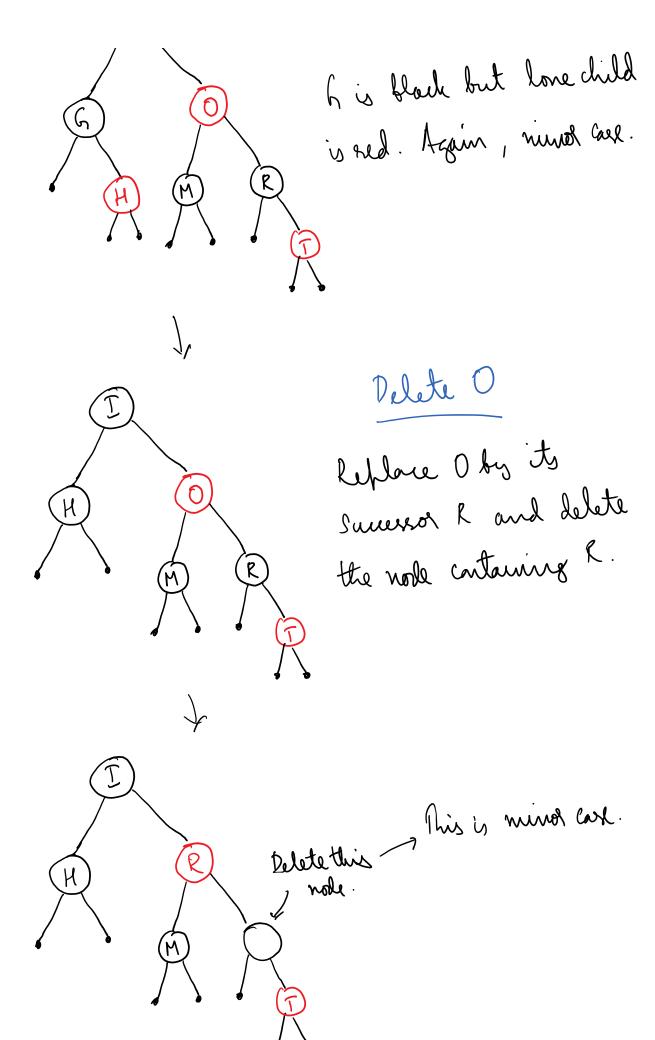
## DeleteL

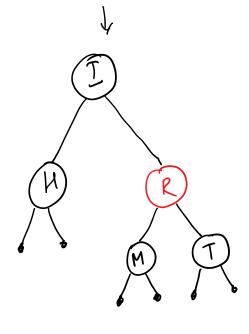
Lis Hack but child Mis red. So this is mirror care.

(I)

Delete G

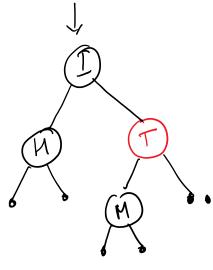
( .. black but lone child



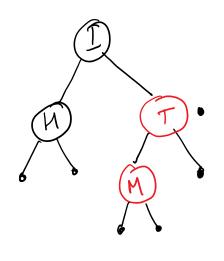


## Delete R

leblace R with its successor T and delete node containing T.



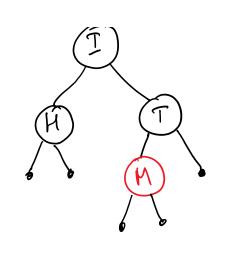
Case 2: Sibling (M) is black with two black children.



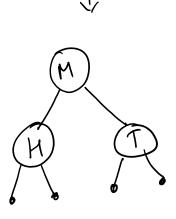
Tabrolos the black tohen

Delete I

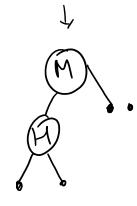
+ + 1 0....als



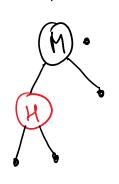
Replace I with successor M, and delete node centaining M. Trivial Care.



Delete T



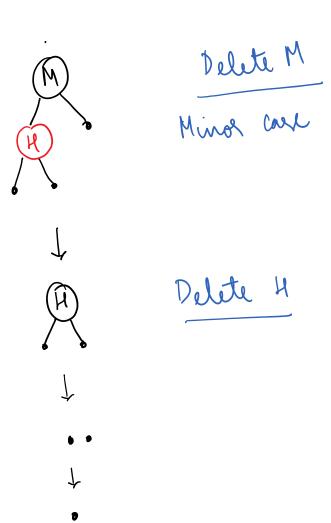
Case 2: Sibling M and children black.

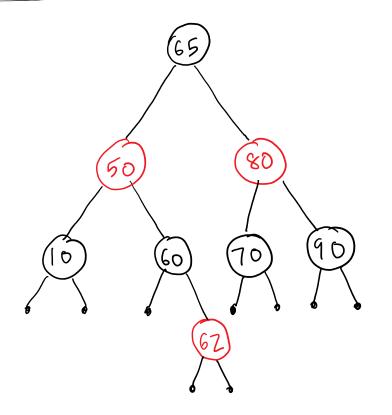


Renone bluk token from root.

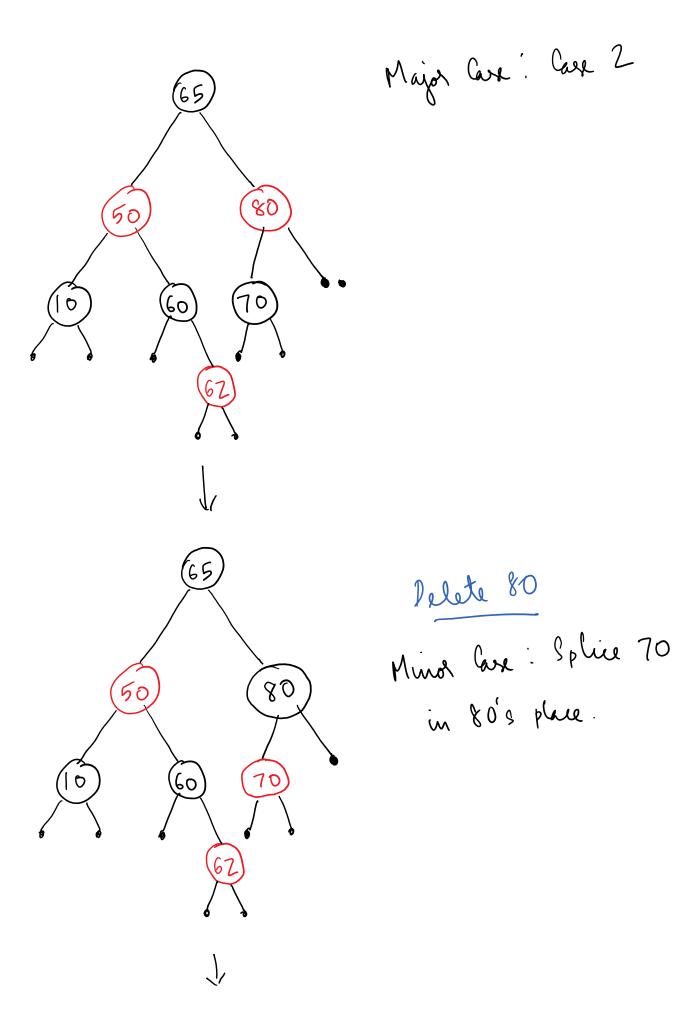
(M)

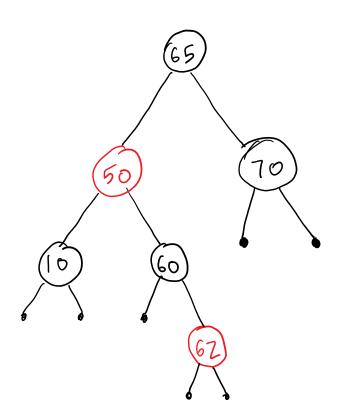
Delete M\_



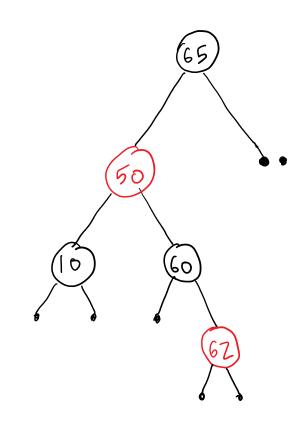


## Pelete 90





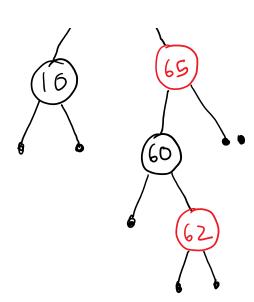
Delete 70



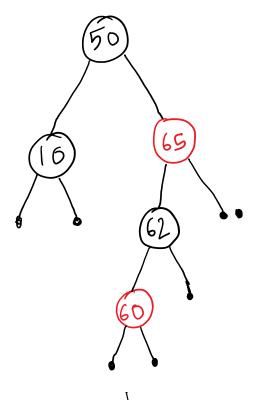
Case 1: Silling is red.
Rotate at parent
and recolor



Now in Case 3 (Missor I mage of Case 3). Por rotate at sibling

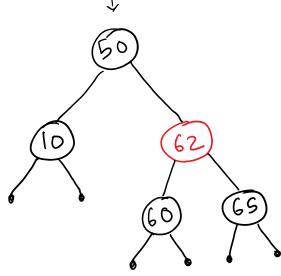


So rotate at sibling

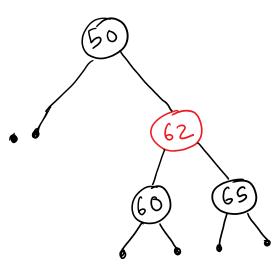


Noon Case 4.

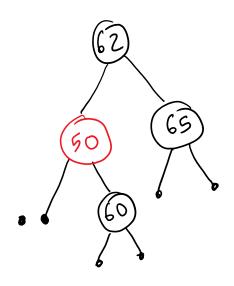
Revolor 60 to black.
62 gets parents color
Parent gets black volor.
Rotate right at parent.



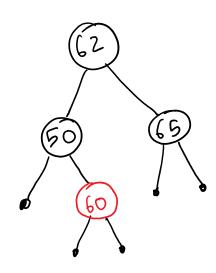
Pelete 10



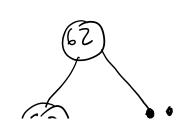
Case 1
Revolve sibling and
parent. Left notate about
parent



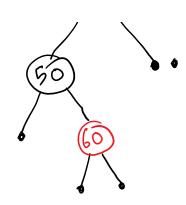
Case 2 Push up blackners.



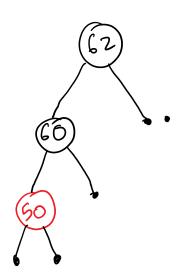
Delete 65



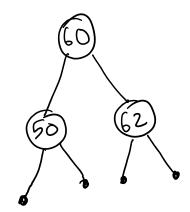
Care 3
Revolor 50 260.



Left state at 90



Case 4
Color 50 and posent black.
Sibling gets color of parent.
Potate at parent.



Done!