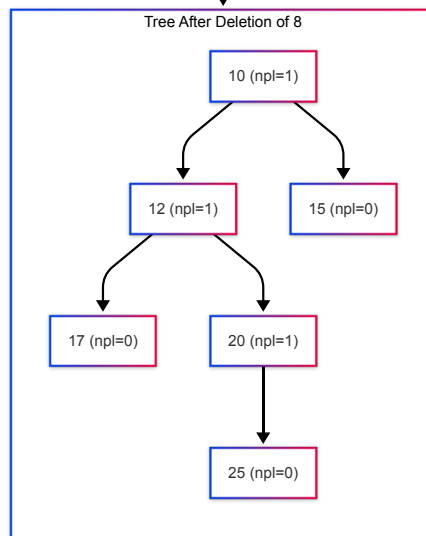


Delete root node 8 - merge(10, 12)



Merge Explanation:

Root 8 is deleted. We merge its left (10) and right (12) children.

10 < 12 - 10 becomes new root. We recursively merge 10.right (20) with 12.

12 < 20 - 12 becomes right child of 10. Now merge 12.right (25) with 20.

20 < 25 - 20 remains parent, 25 merged to its right. Since left is null, we swap.

Swap was required because $npl(left)=1$, $npl(right)=0$. Left subtree contains 12 \rightarrow (17, 20 \rightarrow 25). All npl values updated correctly.