A p1 right deletion

p1 right -> parent->Left = eL3 != p1 right

gparent->Left() = root left != p1->parent = p1,p3

first if condition not met on grandparent assignment.

if(gparent->Right() = p1, p3 == p1->parent = p1, p3)

then is true and
gparent = eL1 ->SetRight(p1->parent->Left() = eL3
)