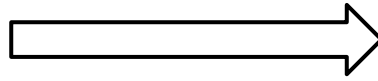


A p1 left deletion



$p1 \text{ left} \rightarrow \text{parent} \rightarrow \text{Left} = p1 == p1 \text{ left}$



$\text{gparent} \rightarrow \text{Left}() = eL3 == p1 \text{ left} \rightarrow \text{parent} = eL3$

first if condition met on grandparent assignment.
 $\text{gparent} = p1, p3 \rightarrow \text{SetLeft} (p1 \rightarrow \text{parent} = eL3 - \rightarrow \text{Right}() = p3)$

$\text{if}(\text{gparent} \rightarrow \text{Right}() = p1 != p1 \rightarrow \text{parent} = eL3)$

is second condition not met.

