

Luis Lopez

Building Red-Black Tree using my

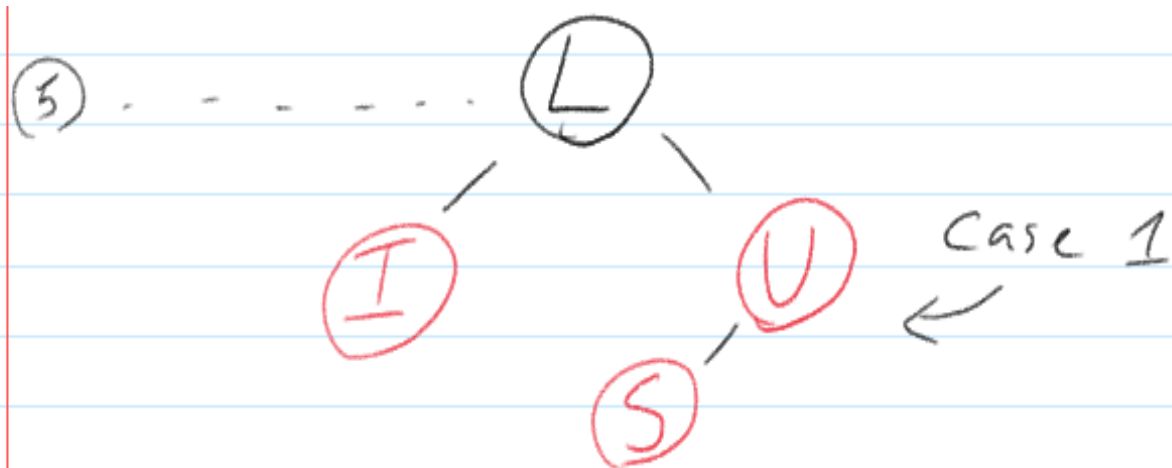
name: ~~L~~~~U~~~~I~~~~S~~~~F~~~~L~~~~O~~~~P~~~~E~~~~Z~~ total 10 char.

① - - - - - (L) violation
color root black

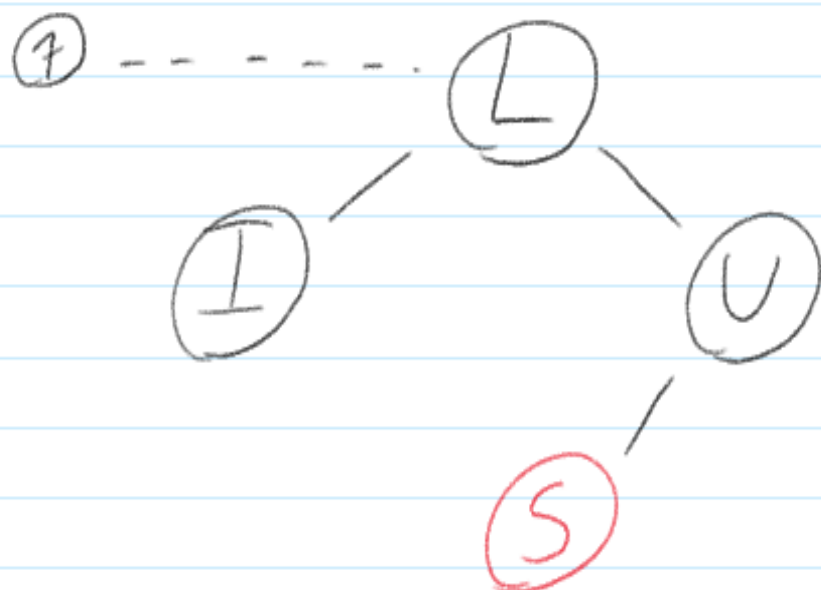
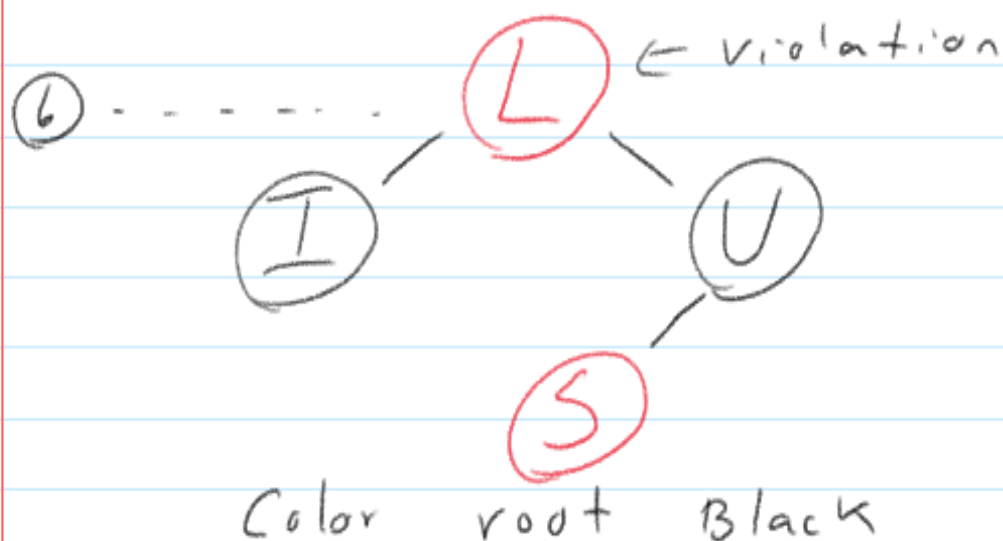
② - - - - - (L)

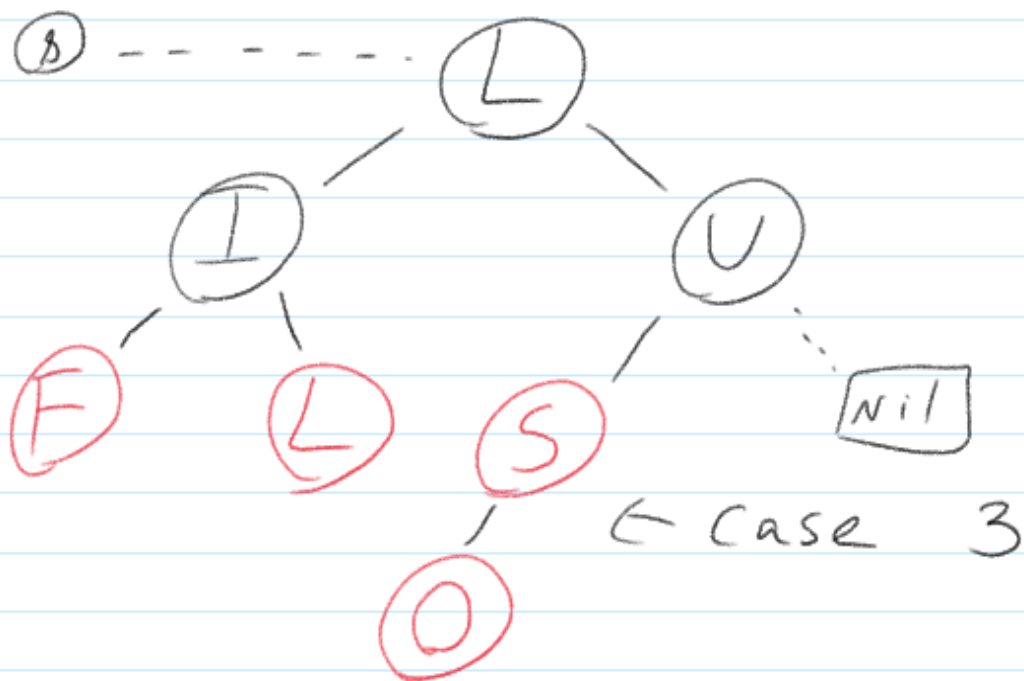
③ - - - - - (L)
 |
 (U)

④ - - - - - (L)
 / \
 (I) (U)

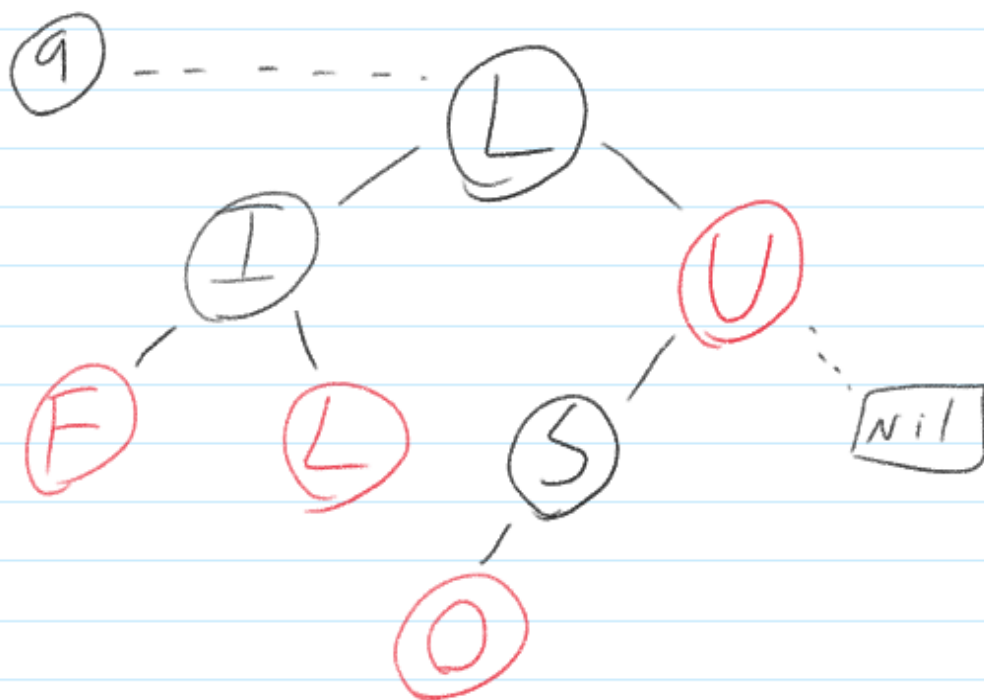


Color parent and uncle black, grandparent Red and make grandparent new X.

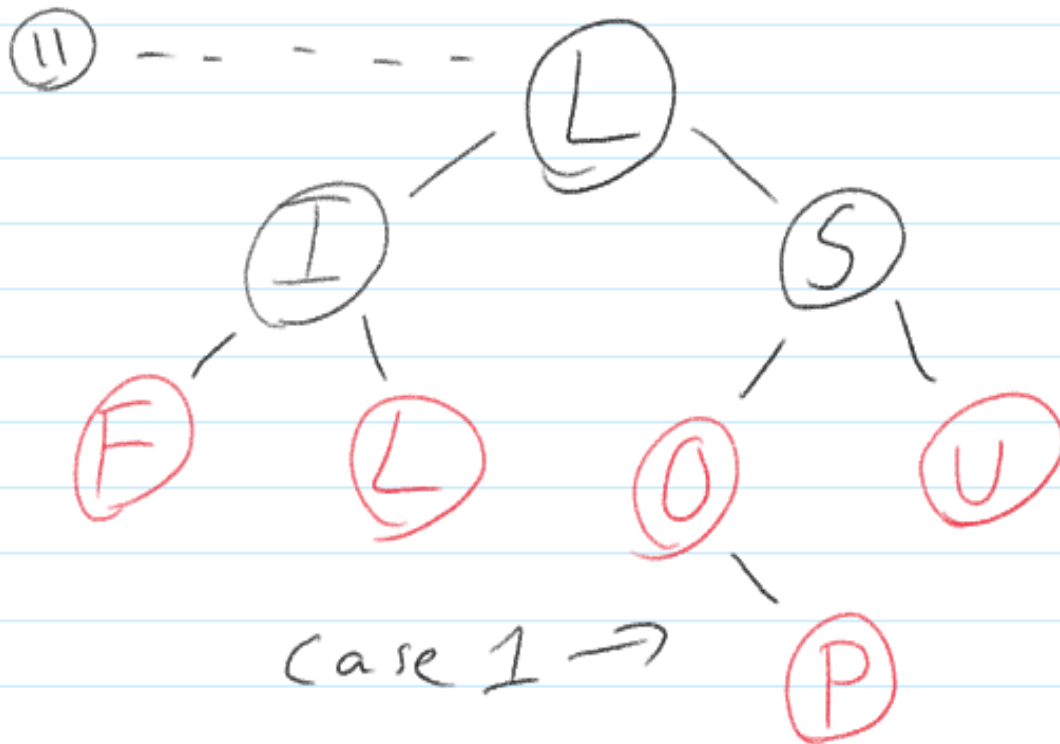
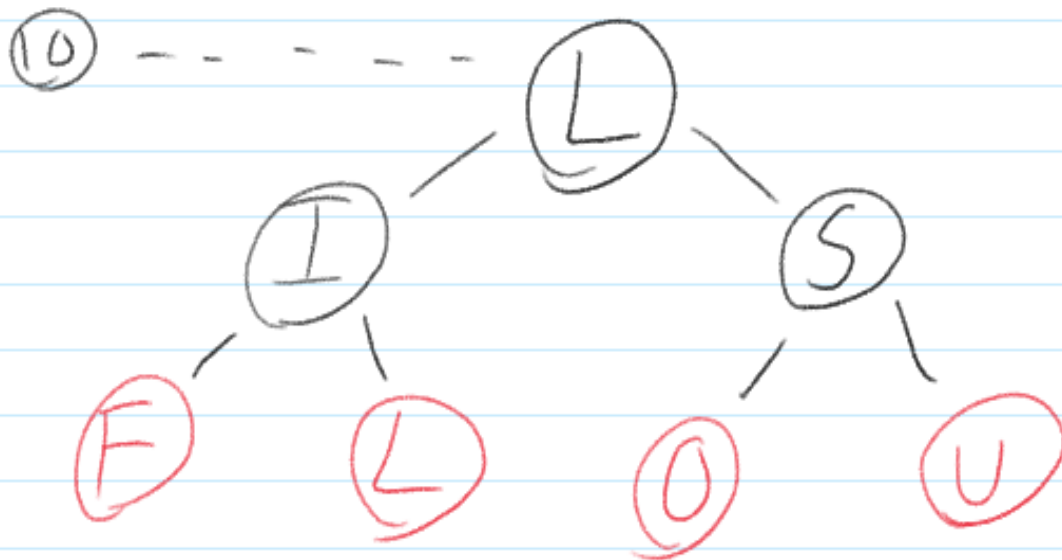




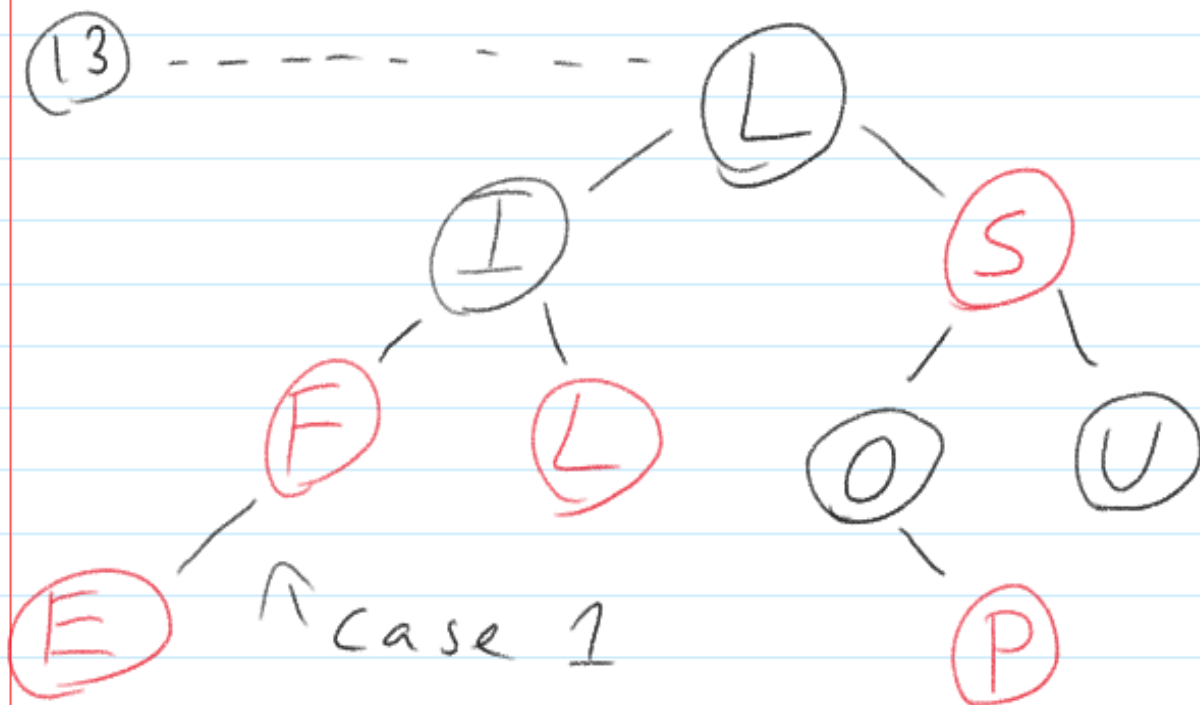
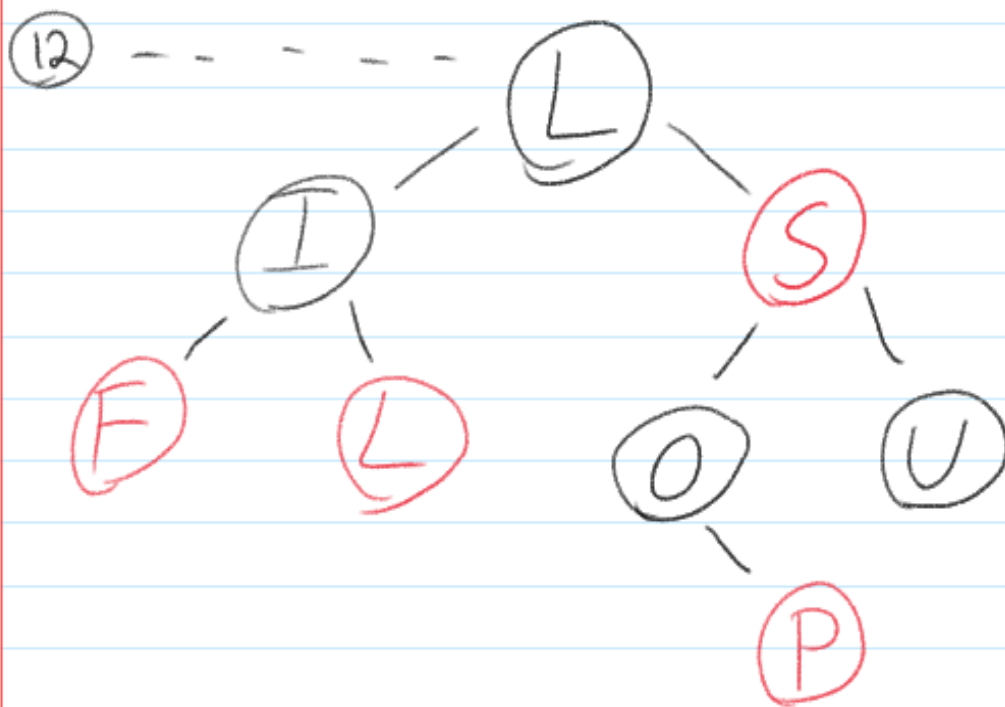
Color parent black. Color Grandparent red, then right rotate the grandparent



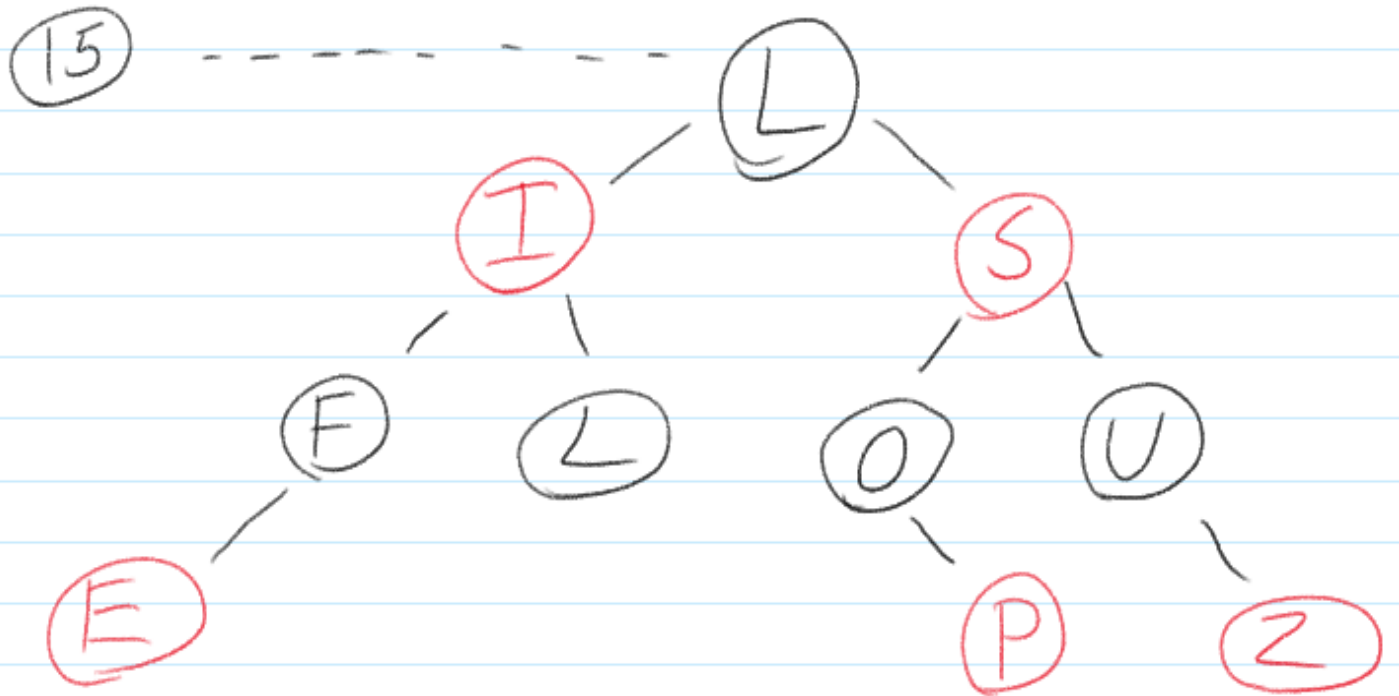
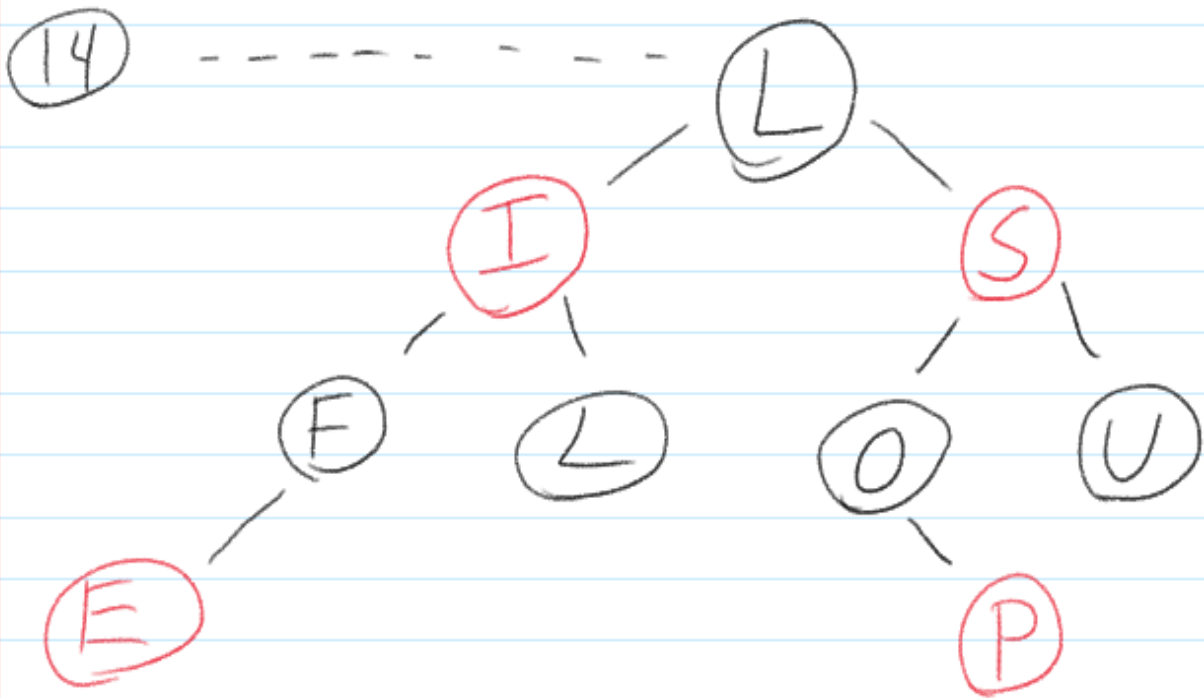
Right rotate grandparent



Color parent and uncle black, grandparent Red and make grandparent new X.



Color parent and uncle black, grandparent Red and make grandparent new X.



(16) Final RB Tree after inserting
and fixing my name:

LUISFLOPEZ

