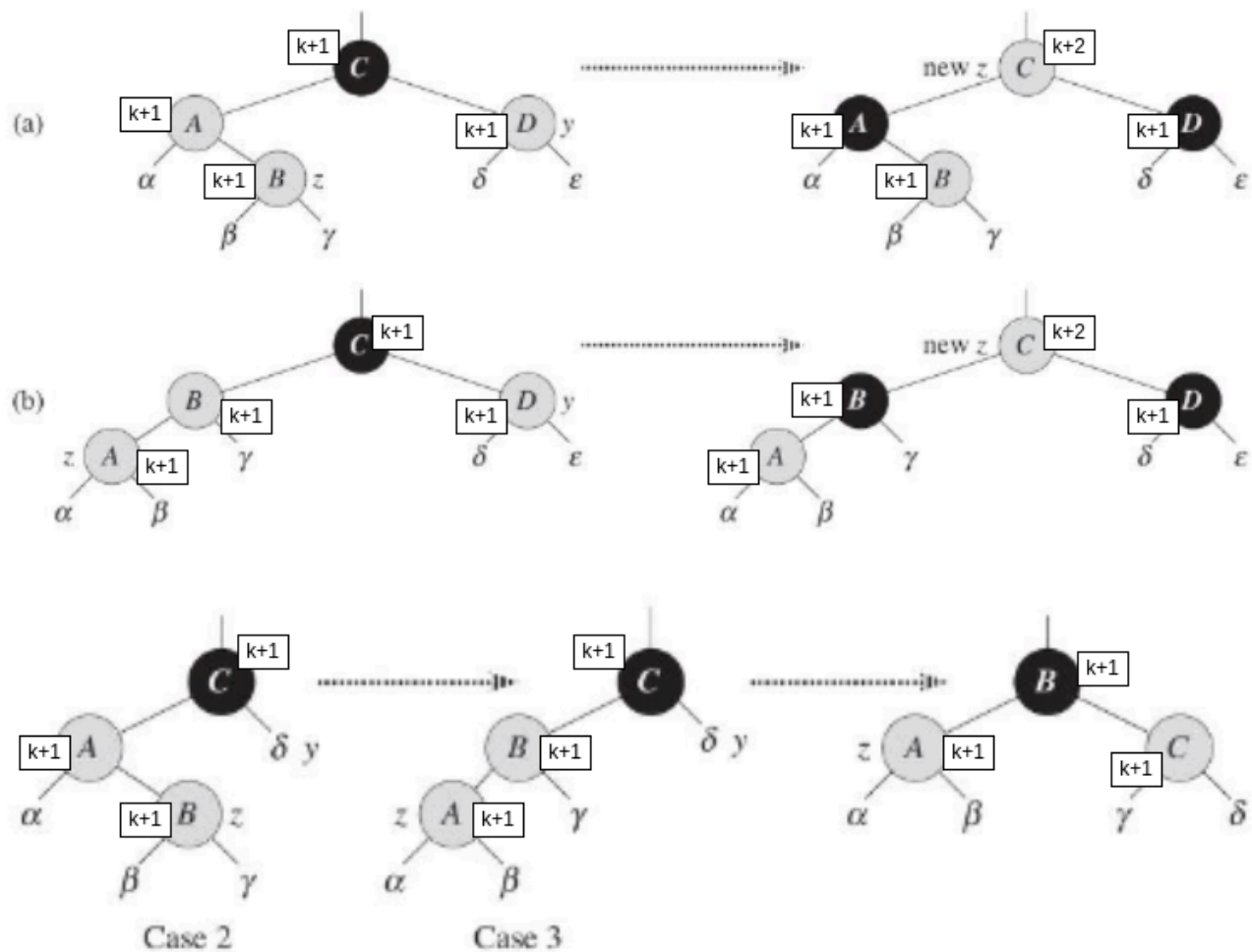


# Algorithms Analysis - Handout 4

Konrad Wojda, 9307820244

## Exercise 1

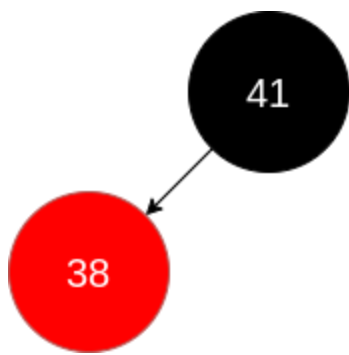


## Exercise 2

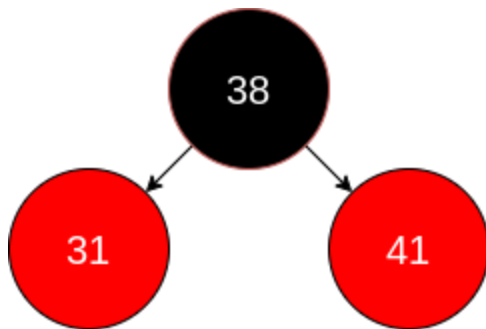
Add 41:



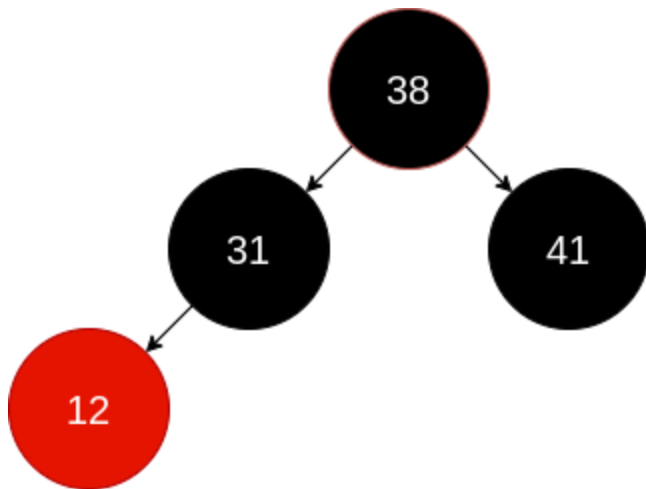
Add 38:



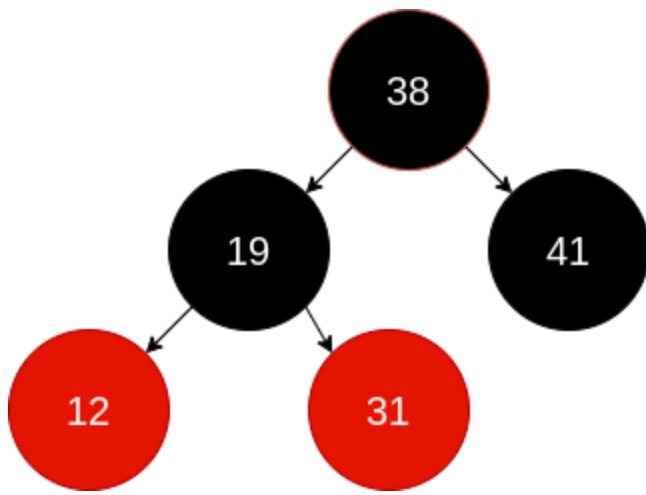
Add 31:



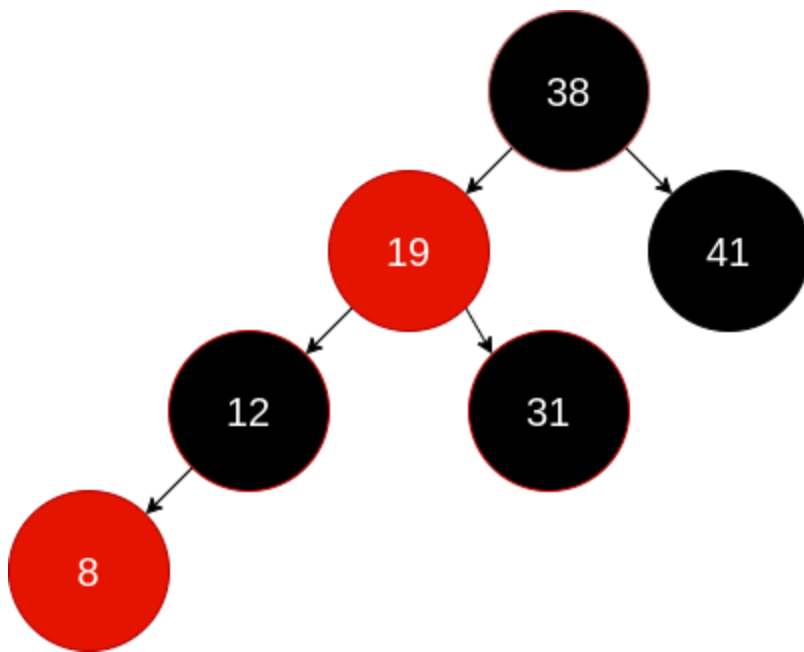
Add 12:



Add 19:

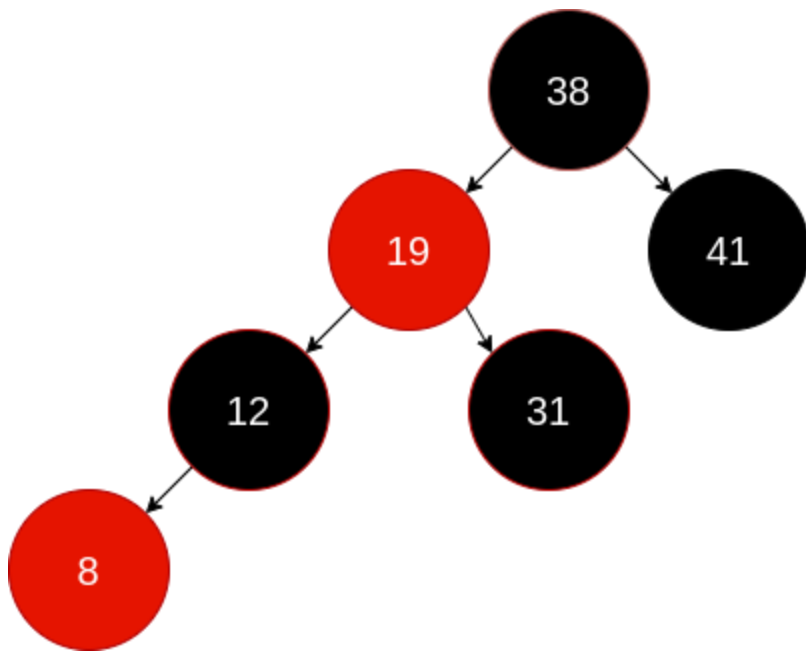


Add 8:

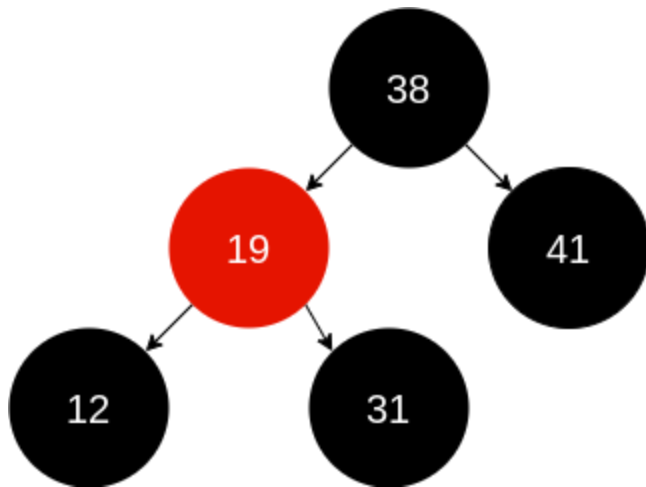


### Exercise 3

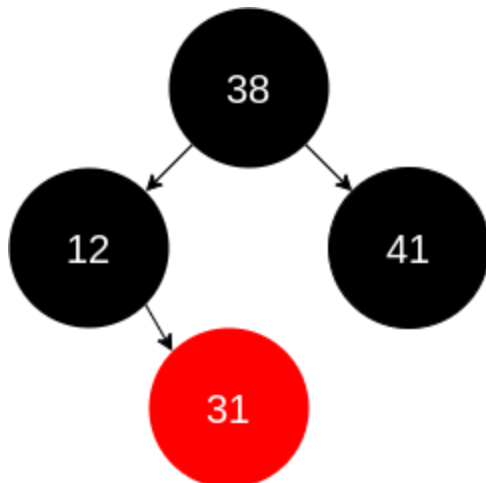
Starting point:



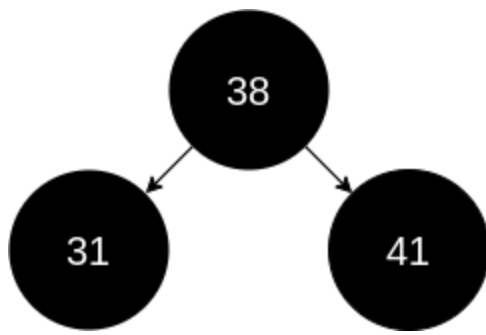
Delete 8:



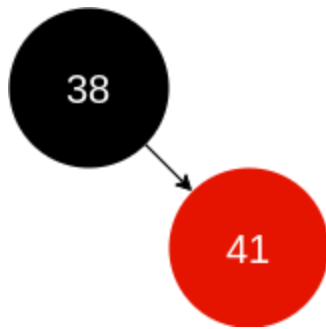
Delete 19:



Delete 12:



Delete 31:



Delete 38:



Delete 41:

empty tree.