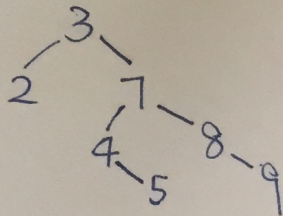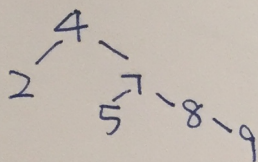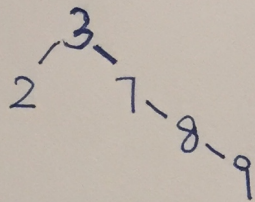Problem 1:

a.

It's not balanced. Condition is violated at 3.

b.

Problem 2

  single rotation → around 3