Q5. Algebraic division helps simplify Boolean functions if we follow polynomial rules of real numbers and apply them to Boolean network.

- a. How is Boolean division different from Algebraic Division? Give a list of lemmas of Boolean functions that do not apply to Algebraic Division. [2]
- b. Divide the given function with the divisor, D = a + b and express the function as F = Q.D+R
 F = ab + ac+ ad' + bc + bd'
