Formal Logic - Präsenzaufgaben - Normal Forms (Propositional Logic)

Construct the **CNF** (conjunctive normal form) and the **DNF** (disjunctive normal form) of the following formulas using Algorithm 1.16. In each step denote the transformation rule you used (see Theorem 1.10).

$$F_1 = (A \Leftrightarrow B) \wedge B \wedge \neg C$$
$$F_2 = (A \Rightarrow B) \wedge (B \vee \neg(C \Rightarrow A))$$
$$F_3 = (\neg A \vee ((C \Rightarrow B) \wedge C)) \wedge ((\neg A \Rightarrow B) \vee A)$$