Exercise sheet 2

- 1. Prove that the following are tautologies.

- a) $P \wedge Q \Rightarrow P$ b) $((P \Rightarrow Q) \wedge (Q \Rightarrow R)) \Rightarrow (P \Rightarrow R)$ c) $((P_0 \Rightarrow P_1) \wedge (P_1 \Rightarrow P_2) \wedge \ldots \wedge (P_{n-1} \Rightarrow P_n)) \Rightarrow (P_0 \Rightarrow P_n)$

To be completed