EE 2720, Spring 07

HW #3

Due Friday February 23, 07 at 9:30 am in my office (EE, room 245) under my door.

EE 2720, Homework # 3

Note: Please staple your homework

Alex

Problem 1: Prove theorems (T1'), (T2'), (T3), (T3'), (T4), (T5') found in handout #5

Problem 2: Prove theorem (T7) of handout #5 by using a truth table

Problem 3: Prove theorem (T10') of handout #5. You are not allowed to use a truth table.

Problem 4: Prove theorem (T13') of handout #5 using the finite induction technique.

Problem 5: Prove the theorem that states $(X+Y)\cdot(X'+Z) = X\cdot Z + X'\cdot Y$. You are not allowed to use a truth table.