EE 2720, Spr. 07

Homework #15

Due Friday March 23, 07 at 9:30 am under my door (room EE 245)

Note: Please staple your homework

Thanks

Alex

EE 2720, Homework #5

Problem 1: Consider the logic function F where F is $F = A \cdot B' + C' \cdot D + E'$. Realize F using only NAND gates. Use both the algebraic and graphical approach. You must show figures of course.

Problem 2: Consider the logic function F where F is $F = (A + B') \cdot (C C' + D) \cdot E'$. Realize F using only NOR gates. Use both the algebraic and graphical approach. You must show figures of course.

Problem 3: Prove equations (5), (6), (7), (8) and (11) on page 8 of handout # 11; (they relate to the XOR operator). You are not allowed to use a truth table when proving eq. (11).

Problem 4: Simplify $F = A' \oplus B \oplus C$

Enjoy your homework
It is very short!

Alex