Fifth Homework Assignment for Math 408 and 827

Due: Wednesday, April 4th, 2007, in class.

Problems for Math 408 and 827:

    1. Chapter 10 problem 1.

    2.-3. Chapter 11 problems 1 and 2.

    4.-5. Chapter 12 problems 1 and 4.

Additional problems for Math 827:

    6. Chapter 10 problem 5.

    7. Chapter 12 problem 3. What approximation ratio is guaranteed by this algorithm?

Reading:

    Chapters 11, 12 and 13 (the last one lightly).

The final exam is tentatively scheduled for *Tuesday, April 10th at 3:30 p.m.* However, the remains a possibility that it will be held the following morning at 8:30 a.m.

Remaining graduate talks:

Monday, March 26th: Arman Kaveh.

    Sanjeev Arora, *Polynomial time approximation schemes for Euclidean traveling salesman and other geometric problems*, J. Assoc. Comput. Mach. **45** (1998), no. 5, 753–782.

Monday, April 2nd: Annie Zhang.

    Dimitris Bertsimas and Melvyn Sim, *Robust discrete optimization and network flows*, Math. Program., **98**, (2003), no. 1-3, Ser. B, 49–71.

Also note that Dan Benvenuti's thesis M.Sc. defense will be on Friday, March 30th at 9:30 a.m. in Surrey 14-400.