Third Homework Assignment for Math 448

Due: Friday, March 5th.

All section references are to the text.

Problems to hand in for Math 448 and 748:

> Chapter 6, exercises 6.2, 6.12, 6.14, 6.34.
> Chapter 7, exercises 7.2, 7.4.

Additional problems to hand in for Math 748:

> Chapter 6, exercise 6.4, 6.30.
> Chapter 7, exercise 7.10.

Math 448 students are also welcome to try these problems.

Reading for this month:

> If you haven't already, please read up to Section 6.5.
> For Friday, February 12th, Sections 7.1–7.3.
> For Wednesday, March 3rd, Sections 7.4–7.5.
> For Friday, March 5th, Section 7.6.

Note:

> There are nice animations of several of the key algorithms, provided by James Orlin, see:

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http://ocw.mit.edu/OcwWeb/Sloan-School-of-Management/
15-082JNetwork-OptimizationSpring2003/Animations/index.htm
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The capacity scaling algorithm example is for minimum cost flow, which we will see later, rather than for maximum flow, which we recently covered.

Reminders:

> Classes are postponed during the Olympic break, from February 15th to 26th. Enjoy! (But do try to study a bit, please.)

> The midterm test will be held in class on **Friday, March 12th**. It will cover through Section 7.6.

> Graduate students who have not done so already must choose a paper for their presentations.