

Due: Wednesday, March 3rd (in class)

## Announcements

The midterm exam will be held in class on **Monday, March 14th**.

On Thursday, February 24th I will give a talk in the Operations Research seminar on the recent counterexamples to the Hirsch conjecture on the diameter of polytopes. This is an exciting development in the theory of linear programming, and you are welcome to attend. It takes place at 3:30 p.m. in SUR 14-400.

## Reading

For Wednesday, February 9th, through Chapter 5, Section 9.

For Monday, February 21st, Chapter 6, through Section 3.

For Wednesday, February 23rd, Chapter 5, to the end of Chapter 6.

For Monday, February 28th, Chapter 7, Section 1. You may also look briefly at Sections 2 and 3.

## Assignment questions

Chapter 5 exercises 1, 8, 15 and *additional problem 3*.

Note there is a typo in *additional problem 3*:  $x_2$  is missing from the first inequality.

Chapter 6 exercises 1 and *additional problem 1*.

The *additional problems* are the ones available on the Website for Vanderbei's book:

<http://www.princeton.edu/~rvdb/LPbook/probs/index.html>

## Some other questions you could try

Try problems 5.10 and 5.11 for additional simplex practice.

## Reminders

Enjoy spring break!