

Week 1: Reading and Exercises

Reading

Please re-read Chapter 2 in the text as soon as you can. For Tuesday, September 5th, please be sure that your reading of Chapters 1 & 2 is complete. As you'll see below, it will also be helpful to have skimmed Chapter 3, so please look at that this week as you learn the Simplex Method.

Also, please carefully read the recap of Monday's lecture, which is available on the course web page.

Practice Exercises

Please try to master the simplex method in these first two weeks. It is essential that every student in the class is able to reliably execute the algorithm by hand on small examples.

Try to complete as many problems as possible from 2.1–2.10 and 3.1–3.2. Further elementary examples will be given in the “pivoting camp” help sessions:

- Tuesday August 28th, 7-9pm in SL104
- Thursday August 30th, 6-8pm in SH106
- Tuesday September 4th, 6-8pm in SL104

The following problems from Chapter 2 are particularly interesting: 2.6, 2.7, 2.10 (page 21) force us to learn how to deal with negative right-hand side values and this is an important technique.