Transportation Problems and Tableaux

Read the book chapters first, then make sure you can answer the questions in the notes. Following that, work on some skills-check problems and exercises. Then take the online quizzes.

Reading 4.5-4.6
Skills Check 27, 28, 29, 30
Exercises 60, 61, 62, 64, 65
Quiz No quiz today

4.5

- What is the general setup for *transportation problems*? Describe all the constraints involved.
- Describe the different areas of a *tableau*, and the constraints between them.
- When we fill in numbers in the tableau cells, what are some rules we must follow?
- Describe how the *Northwest Corner Rule* works. Carry it out in an example. Do we obtain the best solution this way, or just one feasible solution?
- What are *indicator values* for a cell C, and how do we compute them? What are they used for?
- How do we recognize that we have arrived at an optimal solution?

4.6

- Describe the *Stepping Stone Method* and illustrate it in some examples.