

Assignment #5

Due Monday, 14 October 2024, at the start of class

From the textbook¹ please read sections 4.1, 4.2, 4.3, 4.4 and 5.1, 5.2, 5.3, 5.4. In section 5.2 you may ignore subsections 5.2.3 and 5.2.4 (on the tableau notation). On Assignment #6, after the Midterm, there will be actual simplex method questions.

DO THE FOLLOWING EXERCISES from section 4.2, pages 105–106:

- Exercise 2.1
- Exercise 2.2
- Exercise 2.4
- Exercise 2.5

DO THE FOLLOWING EXERCISES from section 4.3, pages 114–117:

- Exercise 3.1
- Exercise 3.4
- Exercise 3.12
- Exercise 3.16

¹Griva, Nash, and Sofer, *Linear and Nonlinear Optimization*, 2nd ed., SIAM Press 2009.