

OR-1 Homework-7

Due : 2018/5/8 (Tue., in class)

1. Consider the two phase method. Suppose that, after solving the phase one problem to find an initial basic feasible solution, we do not eliminate the variable x_0 although x_0 is nonbasic. Then we replace the objective function with the original one and continue to solve the problem in phase two with x_0 being present in the dictionary (or tableau). Is this approach correct? Explain what would happen if this approach is used.
2. Text p. 52, #4.1 (a), (b)
3. Text p. 52, #4.2