# Traffic Engineering (EN3370) Assignment 1

## December 2020

You are supposed to answer the problems listed below from the book *Kleinrock, Queueing Systems, Vol. 1: Theory, 1975* [Kleinrock]. The problems are mainly related to DTMCs and CTMCs. You may refer to the lectures for related technicalities. Similar problems are also discussed in the *Problem Session 1*, Week 5.

Deadline for the submission of answers: 2020.12.27

## Problem Set

1. Exercise 2.1 [Kleinrock]
2. Exercise 2.2 [Kleinrock]
3. Exercise 2.3 [Kleinrock]
4. Exercise 2.4 [Kleinrock]
5. Exercise 2.5 [Kleinrock]
6. Exercise 2.6 [Kleinrock]
7. Exercise 2.9 [Kleinrock]
8. Exercise 2.10 [Kleinrock]
9. Exercise 2.11 [Kleinrock]