

AMATH 561 Autumn 2024

Problem Set 8

Due: Wed 12/4 at 10am

Note: Submit electronically to Canvas. Exercises are from Matt Lorig's notes (link on course website).

1. Exercise 5.1. Hint: You can use Little's law, which states that the expected number of people in the hospital at steady-state is equal to the average arrival rate multiplied by the average processing time.
2. Exercise 5.3.
3. Exercise 5.4.
4. Exercise 5.5.