

Finite Mathematics

Homework 9

Due via Gradescope Friday, May 1, 2020 at 20:00

Note: The assignments are from the CNX online textbook by Rupinder Sekhon. In each section, some problems have given solutions. You can treat them like the (*) problems on the previous homework sets to test your understanding and to practice.

1. Chapter 16, all unanswered questions from [Problems 7–12](#) of “Expected value”
2. Chapter 16, all unanswered questions from [Problems 1–6](#) of “Probability using tree diagrams”. *Note:* tree diagrams may help illustrate these problems, but it is not required to use them.
3. Chapter 18, all unanswered questions from [“Markov chains”](#).
4. Chapter 18, all unanswered questions from [“Regular Markov chains”](#).
5. Chapter 18, Problems 2 and 6 from [“Absorbing Markov chains”](#). Use the problems with given solutions as warm-up. For Problem 2, assume that each player has a 50% chance of winning.