

Practice questions from the book for the final exam

This refers to the 7th edition of Rosen's Discrete Mathematics.

- Logic and Proofs:
 - 1.1: 1–41
 - 1.2: 1–37
 - 1.3: 1–33, 40, 41, 56–62
 - 1.4: 1–45, 59–62
 - 1.5: 1–47
 - 1.6: 1–19
 - 1.7: 1–42
 - 1.8: 1–24, 27–36, 38
 - Chapter 1 supplementary exercises: 1–18, 20–46
- Sets, Functions, Sequences, Summations:
 - 2.1: 1–44
 - 2.2: 1–30, 47–51
 - 2.3: 1–33, 36, 38–45, 69, 70
 - 2.4: 1–8, 25, 26, 29–37
 - 2.5: 1–4, 10–14, 17–23
 - Chapter 2 supplementary exercises: 1–15, 18
- Induction and Recursion:
 - 5.1: 3–24, 28, 31–34, 38–43
 - 5.2: 3–7, 12
 - 5.3: 7–13, 23–27
 - Chapter 5 supplementary exercises: 1–16, 22,23
- Number Theory:
 - 4.1: 1–36
 - 4.3: 1–5, 14–18, 21–35
 - 4.4: 1–6, 9–12
 - 4.6: 5, 24–27
 - Chapter 4 supplementary exercises: 3, 25–27

- Combinatorics:
 - 6.1: 1–19, 25–49, 52–69
 - 6.3: 1–28, 30
 - 6.4: 1–9, 12–15, 21–25, 28
 - 6.5: 1–13, 21–38, 41–43, 50–60
 - Chapter 6 supplementary exercises: 1–15, 18–24, 35–46
- Probability:
 - 7.1: 1–18, 20–38
 - 7.2: 1–12, 18–21, 23–35
 - 7.4: 1–8, 24
 - Chapter 7 supplementary exercises: 1–14
- Graphs (extra credit):
 - 10.1: 1–10
 - 10.2: 4–18
 - 10.3: 1–8, 10–22
 - 1.7: 1–9, 12–14