

CSCI 2200 – Foundations of Computer Science

Homework 4

All problems are assigned from the Discrete Mathematics & Computing (DMC) book.

Recitation

Try these at home first. Then come to see solutions worked out in the recitation.

1. DMC Problem 6.20
2. DMC Problem 6.50(a)
3. DMC Problem 7.47(d)
4. DMC Problem 8.7
5. DMC Problem 8.21
6. DMC Problem 9.3 (a),(j)
7. DMC Problem 9.39(a)
8. DMC Problem 9.45

Problems (Submit Solutions)

Show your work and explain your reasoning. Write in complete and grammatically sound sentences, and submit legible work. The numbers in square brackets are the amount of points each problem is worth.

1. **[20]** DMC Problem 6.50(i)
2. **[20]** DMC Problem 7.16
3. **[20]** DMC Problem 8.20 [RFBT defined in Exercise 7.14]
4. **[20]** DMC Problem 9.3 (h),(l)
5. **[20]** DMC Problem 9.48(a)