

CS 103: Networks

Homework 3

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Instructions

- Due Thursday 10/22 at *beginning* of class
- List all collaborators on your submission
- Review the course collaboration policy (collaboration encouraged; write own solutions).

Problems

Complete all of these:

1. Chapter 9 Exercise 1
2. Rao's is holding a sealed-bid second-price auction for a coupon worth one month of free coffee. You spend \$50 per month on coffee, so your (private) value for the coupon is exactly \$50. However, you learn that a large group of students are planning to collude in the auction: they will bid only 10% of their true values for the coupon in an attempt to drive prices down. Given this knowledge, what should you bid? Explain.
3. Chapter 10 Exercise 2
4. Chapter 10 Exercise 3
5. Chapter 10 Exercise 11