

# CS 103: Networks

## Homework 1

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### Instructions

- Due Thursday 9/24 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 2, Exercise 1
2. Chapter 2, Exercise 2
3. Chapter 3, Exercise 2
4. Chapter 3, Exercise 4
5. Chapter 5, Exercise 1. (Note: use the definition of structural balance (Sections 5.1 and 5.2), which was the first one we covered. Do not use “weak” structural balance (Section 5.4)).
6. Chapter 5, Exercise 2
7. How much time did you spend on this homework?

### Harder Problems—For Fun (Optional)

1. Chapter 2, Exercise 3
2. Chapter 5, Exercise 3