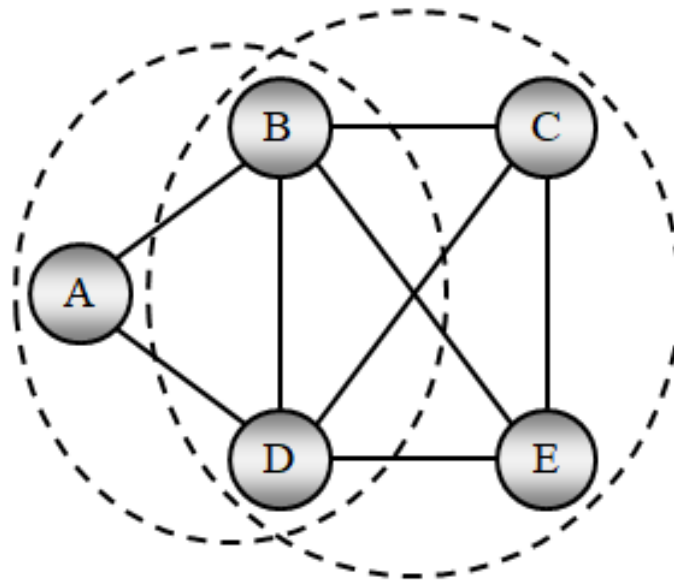# Even More Network Algorithms

# Agenda

- [Network Cloning](#)

- [Cliques](#)

- [Community Detection](#)

- [Eulerian Paths and Cycles](#)

- [Summary](#)

- [Exercises](#)

# Network Cloning

- Dictionaries
- Clone References

# Cliques

- Brute Force
- Bron–Kerbosch

# Cliques

- Finding Triangles
  - Brute Force
  - Local Links
  - Chiba and Nishizeki

# Community Detection

- Maximal Cliques

- Girvan–Newman

- Clique Percolation

# Eulerian Paths and Cycles

- Brute Force
- Fleury's Algorithm
- Hierholzer's Algorithm

# Summary

- [Network Cloning](#)

- [Cliques](#)

- [Community Detection](#)

- [Eulerian Paths and Cycles](#)

# Exercises

- Chapter 14 Exercises 17, 18, 20 – 27.

- Bonus: Chapter 14 Exercise 19.

- Read *Essential Algorithms, 2e* Chapter 15 pages 493 – 518. (All of Chapter 15.)