All exercise numbers refer to the course textbook:

**Title:** *Introduction to Algorithms* (3rd Edition)

**Authors:** T. Cormen, C. Leiserson, R. Rivest, C. Stein

**Publisher:** MIT Press (2009)


**Breadth First Search (BFS)**

Exercise 22.1-3

**Depth First Search (DFS)**

Exercise 22.3-3

**Topological Sort and Strongly Connected Components (SCCs)**

Exercise 22.4-1
Exercise 22.5-2

**Minimum Spanning Trees (MSTs)**

Exercise 23.2-2

**Single-Source Shortest Paths**

Exercise 24.1-4
Exercise 24.2-4
Exercise 24.3-6

**All Pairs Shortest Paths**

Exercise 25.2-6