

Practice problems from the book

This refers to the 3rd edition of CLRS. Page and exercise numbers in parentheses () refer to the 2nd edition of CLRS. Exercises in brackets [] refer to harder exercises.

- Analyzing Algorithms:
 - page 22 (21): 2.1-3,4
 - page 29 (27): all exercises
 - page 39 (36): 2.3-3,4,5,6
 - page 39 (37): 2-1,2,3
- Asymptotic Notation:
 - page 52 (50): 3.1-1,3,4,5, [3.1-2]
 - page 61 (58): 3-2,3,4
- Heapsort:
 - pages 129, 132, 135: all exercises
 - page 136: 6.4-2, 6.4-3
 - page 142: 6.5-1,2,3,4,5,6,7,8, 6-1, 6-2
- Divide-and-Conquer and Recurrences:
 - page 87: 4.3-1,2,3,4,6,7,8 (page 67: 4.1-1,2,5)
 - page 92: 4.4-1,3, [4.4-4] (page 72: 4.2-1,3, [4.2-4])
 - page 96: 4.5-1,3, [4.5-2] (page 75: 4.3-1,3, [4.3-2])
 - page 107 (85): 4-1,3,4
 - page 82: 4.2-1,2,5 (page 741: 28.2-1,2,5)
- Probability and Randomized Algorithms:
 - page 1200 (1110): C.3-1,2,3,4
 - page 122 (98): 5.2-1,2,3,4
 - page 143 (118): [5-2]