

Practice questions from the book for test 2

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

- Probability and Randomized Algorithms:
 - page 1110 (1200): C.3-1,2,3,4
 - page 98 (122): 5.2-1,2,3,4
 - page 118 (143): [5-2]
- Quicksort:
 - page 148 (173): all exercises
 - page 153 (178): 7.2-1,2,3
 - page 163 (189): [7-6]
- Sorting:
 - page 167 (193): 8.1-1
 - page 170 (196): 8.2-1,2,3, [8.2-4]
 - page 173 (199): 8.3-1,2,3,4
 - page 178 (206): 8-2,3
- Order Statistics:
 - page 189 (219): 9.2-3,4
 - page 192 (223): 9.3-5,7,8, 9-1, [9-2]
- Red-Black Trees:
 - page 276 (311): 13.1-1,2,3,4,5,6
 - page 278 (313): 13.2-1,3
 - page 287 (322): 13.3-2,3,5
- B-Trees:
 - page 440 (490): 18.1-1,2,3,4,5
 - page 447 (497): 18.2-1,2,3,6
- Dynamic Programming:
 - page 349 (389): 15.3-2
 - page 355 (396): 15.4-1,2,3,4, [15.4-5]
 - page 366 (406): [15-5]