

Practice questions from the book for test 2

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.

- Quicksort:
 - page 173 (148): all exercises
 - page 178 (153): 7.2-1,2,3
 - page 189 (163): [7-6]
- Sorting:
 - page 193 (167): 8.1-1
 - page 196 (170): 8.2-1,2,3, [8.2-4]
 - page 199 (173): 8.3-1,2,3,4
 - page 206 (178): 8-2,3
- Order Statistics:
 - page 219 (189): 9.2-3,4
 - page 223 (192): 9.3-5,7,8, 9-1, [9-2]
- Red-Black Trees:
 - page 311 (276): 13.1-1,2,3,4,5,6
 - page 313 (278): 13.2-1,3
 - page 322 (287): 13.3-2,3,5
- B-Trees:
 - page 490 (440): 18.1-1,2,3,4,5
 - page 497 (447): 18.2-1,2,3,6
- Dynamic Programming:
 - page 389 (349): 15.3-2
 - page 396 (355): 15.4-1,2,3,4, [15.4-5]
 - page 406 (366): [15-5]
- Greedy Algorithms:
 - page 427 (384): 16.2-1, 16.2-2, [16.2-3], 16.2-4