

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.

- Red-Black Trees:
 - page 311 (276): 13.1-1,2,3,4,5,6,7
 - page 313 (278): 13.2-1,3,4
 - page 322 (287): 13.3-1,2,3,5
- B-Trees:
 - page 490 (440): 18.1-1,2,3,4,5
 - page 497 (447): 18.2-1,2,3,6
- Augmenting Data Structures:
 - page 344 (307): 14.1-1,2,3,4,5, [14.1-6]
 - page 347 (310): 14.2-1,2,3
 - page 353 (317): 14.3-3,5, [14.3-4]
- Dynamic Programming:
 - page 389 (349): 15.3-2,5
 - page 396 (355): 15.4-1,2,3,4,5
 - page 406 (364): 15-3,6
- Greedy Algorithms:
 - page 427 (384): 16.2-1,2,3,4,5,7
- Amortized Analysis:
 - page 456 (409): 17.1-1,3
 - page 458 (412): 17.2-1,2,3
 - page 462 (416): [17.3-2,3]
- Disjoint Sets Data Structures:
 - page 564 (501): 21.1,2,3
 - page 567 (504): 21.2-1,2,3,4
 - page 572 (509): 21.3-1,2,3