AE2ADS

Lecturer: Heshan Du
Email: Heshan.Du@nottingham.edu.cn

University of Nottingham Ningbo China

Reading

M. T. Goodrich, R. Tamassia and M. H. Goldwasser, *Data Structures and Algorithms in Java*, 6th Edition, 2014.

- Section 10.3. The Sorted Map ADT
- Section 11.1. Binary Search Trees

Exercise 1

Implement the Sorted Map ADT using a sorted search table. Analyze the time complexity of the methods in this implementation.

Exercise 2

Implement the Sorted Map ADT using a binary search tree. Analyze the time complexity of the methods in this implementation.