

Quiz Study Questions for 2006, from Weiss

Quiz 2: Trees and Hash Tables

Here's a list of questions to study for the second quiz. The A list are questions that are fair game on the quiz. The B list are questions that can be considered optional. They are more challenging, and/or reflect material that was covered in one section but not the other.

A List

Chapter 18: Trees

all questions 18.1-18.7 except for 18.4

Chapter 19: Binary Search Trees

19.1 19.2 19.5 19.7
and..

We can maintain a pointer to the smallest element in a binary tree so that findmin can be implemented in $O(1)$ time. Show (using pseudo-code) how to modify insert and delete so that the pointer to the min element is maintained.

Chapter 20: Hash Tables

all questions 20.1 -20.6

B List

Chapter 18: Trees

18.4

Chapter 19: Binary Search Trees

19.3, 19.4 19.9, 19.12