This thread is part of the proposed schedule for study for the first exam. Discuss the practice problems here.
View questions here: http://beastie.cs.ua.edu/concepts/cs/al/sbtrees.html
This thread covers questions 27-52 of SB trees.

Work together on the proposed answers to questions on this shared Google Doc (comment reasoning/arguments behind answers)

Upcoming topics (threads start two days in advance): Recurrences 71-105, Feb 18 | Recurrences 106-136, Feb 19 | Final questions, Feb 20

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I cannot think of an example where deletion in a red-black tree causes three rotations. Also, I know that insertions and deletions in an AVL tree can cause log(n) rotations, but again, I cannot build an example.