

**Today:** AA trees. § 19.6; Andersson paper<sup>1</sup>.

**Next class: Midterm Exam 1.**

**Reminders:** Use newsgroup regularly.

1. List the members of your group below. Underline your name.
  
2. Depict the AA-tree resulting from the sequential insertion, in the listed order, of  $1, 2, 3, \dots, 10, 20, 19, \dots, 11$  into an empty tree, using bottom-up insertion. All intermediate trees need not be depicted, but it is advisable to depict at least a few.

---

<sup>1</sup>Arne Andersson, “Balanced Search Trees Made Simple,” in *Proceedings of the Workshop on Algorithms and Data Structures* (Montreal, Canada, 1993).

3. Depict the AA-tree resulting from the sequential deletion, in the listed order, of 11, 5, 17, 1 from the final tree of Question 2.