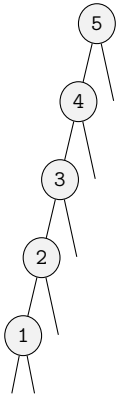**Today:** Splay trees; §§ 22.*.
Next class: {merge, quick, heap, . . .}sort. §§ 8.5, 8.6, 21.5, 21.6; Reynolds's paper.[1]
Reminders: Newsgroup is required reading (and writing); use to advantage.

1. Write your group members' names below. Underline your name.

2. Depict the transformations to the following *top-down splay tree* in response to the access pattern $1, 2, 3, 4, 5$. Depict all splay operations clearly, including the left and right trees, and highlight the tree after all operations for each insertion have completed.

---

[1]Samuel W. Reynolds, "A Generalized Polyphase Merge Algorithm," *Communications of the ACM* 4/8 (1961).

3. Trace the result of inserting the keys $1, 2, 3, \ldots, 7$ into an initially empty bottom-up splay tree.