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This review exercise focuses on self-adjusting trees done three ways: (1) rotate-to-root (which does not work well), (2) bottom-up splaying, and (3) top-down splaying.

- 1. List the members of your group below. Underline your name.
- Trace the insertion of the following keys, in the order listed, into an initially empty binary search tree that uses the *rotate-to-root* self-adjustment strategy. For each insertion, clearly indicate the ensuing rotations and resulting tree.
  63 52 74 57 42 32 24 45

3. Repeat Question 2 using *bottom-up splaying* instead of rotate-to-root.

4. Repeat Question 3 using top-down splaying instead of bottom-up splaying.

[additional space for answering the earlier question]