

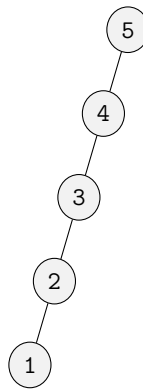
Today: top-down splay trees; §§ 22.{5-7}.

Next class: pairing heap; §§23.{1,2}.

Reminders: Read material, incl. code, *before and after* class.

1. Write your group identifier (e.g., C3) and its 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.



[additional space for answering the earlier question]

3. Depict the action of *in-place heapsort* on the following array. Depict the state of the array, and the implicit binary heap it encodes (in the usual graphical form), after each *deleteMin* operation.

66 70 99 43 58 77 41 74 81 70

[additional space for answering the earlier question]