Today's topics: Heapsort, external sorting. Textbook §§ 21.5–21.6.
Next class: Splay trees, polyphase merging; §§22.*; Reynolds's paper.

1. List the members of your group below. Underline your name.

2. 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]

3. Depict the action of 2-way merge-sort on the following array.

37 90 35 88 49 55 13 50 26 73 31 51 99 46 90 13 27 84

4. Repeat Question 3 using a 3-way merge-sort.