| COS 226 Fall 2013 Class Exercise 6 | 4 questions; 2 pgs. | 2013-09-24 |
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Today's topics: Sorting, AA-trees. $\S \S 8$ 19.6.
Next class: Sorting. §§ 8.*.

1. List the members of your group below. Underline your name.
2. Depict the action of insertion sort on the following array. Assuming a typical nestedloop implementation, depict the state of the array after each iteration of the outer loop.

$$
49,38,9,27,39,54,8,1,3,76
$$

3. Repeat Question 2 for selection sort.
4. Depict the $A A$-tree resulting from the sequential insertion of

$$
1,2,3, \ldots, 10,20,19, \ldots, 11
$$

into an empty tree. Depict all intermediate trees. Clearly label any restructuring operations used.

