CSE 326: Data Structures
Winter 1998
Questionnaire

This questionnaire has two pages. It is not a test, and will not be graded. The goal is for me to get a good understanding of what you know from previous courses and what you have yet to learn.

Name:

Electronic address:

Major: CS or CE or other (circle one; if "other", please specify)

	Quarter Taken	*Lecturer*	*Programming Language*
CSE 142 (Prog. I)			
CSE 143 (Prog. II)			
CSE 321 (Disc. Struct.)			

Have you used Unix? If so, in which course?

Have you used g++? If so, in which course?

Have you learned

- linked lists?
- stacks?
- queues?
- trees?
- preorder traversal?
- inorder traversal?
- postorder traversal?
- binary search?
- binary search trees?
- big "O" notation?
- "course-of-values" (or "strong") induction?
- how to eliminate recursion using stacks?

If you learned it, what is the difference between a list and a set?

If you learned it, briefly describe (in English) how inorder traversal works.

If you learned it, briefly describe how course-of-values (or "strong") induction works.

If you learned it, list the queue operations and briefly describe what each one does.

Is $23n \log n + \frac{1}{2}n^2 = O(n^2)$?
Is $23n \log n + \frac{1}{2}n^2 = O(n^3)$?
Is $23n \log n + \frac{1}{2}n^2 = O(n \log n)$?
What is the running time of binary search on a sorted list of length n?