
CS 451
Programming Assignment #4
ML

Due 10/23/08, by 6:00am sharp!

The goal of this assignment is to get acquainted with the ML programming language. It's got two parts.

- (1) Repeat Assignment 3 in ML. However, only search unsorted and sorted lists. I will explain why I am excluding trees later.
- (2) Write a lazy Fibonacci number generator.

What to hand in

- (1) Email a listing of your search function as the simple body of an email message.
- (2) Email a listing of your lazy Fibonacci function as the simple body of an email message.
- (3) Email the output from
your search function searching the an unordered and an ordered list. Be sure to cover all
possible searches that are successful and searches that are unsuccessful.
and
from your Fibonacci function showing the first few Fibonacci numbers.

Notes

- (1) Don't forget the header comment for each function, which describes its purpose, arguments (inputs), and result (what the function returns).
- (2) You might want to write a function the generates the Fibonacci numbers from 1 to 10.