CSCE 330 Fall 2001

HOMEWORK 8

Assigned Monday, 01/11/19. Due Monday, 01/11/26

This assignment is especially designed for Thanksgiving break. You can bring the short paper with you anywhere! The questions are simple and you should be able to answer them quickly when you return back to Columbia from your trips home.

Read "The roots of LISP" by Paul Graham (`http://www.paulgraham.com/rootsoflisp.html`). The paper describes an interpreter for the functional language LISP written in LISP. Pay particular attention to the `eval.` function on page 8.

1. What does `car` correspond to in FP?
2. What does `car` correspond to in ML?
3. What does `cdr` correspond to in FP?
4. What does `cdr` correspond to in ML?
5. Why the names `car` and `cdr`? (This may require some research on your part. For example, see http://www.faqs.org/faqs/lisp-faq/part1/preamble.html.)