CS 565 Out: October 2, 1996
Jens Palsberg Due: October 9, 1996

Homework 6:

Converting to Imperative Form

Consider again *EOPL*, Exercise 8.5.3. You need your solution to Homework 5.

1. (8 points) Complete the process of transforming a function to first-order form by converting the continuations in the CPSed version of `remove*` to data structures. Your result should be a tail-form, first-order program, like the ones in the lecture notes and in section 9.1.

2. (7 points) Convert your answer to the previous problem to imperative form. Your answer should be an imperative-form program, like the ones in the lecture notes and in section 10.1.

3. (5 points) Convert your answer to question 2 to C, along the lines of the program presented in class, and run it on some sample data. If you are not familiar with C, then convert to Pascal instead.

4. (Extra credit) Do the same as above for `member*`, `remfirst*`, `depth`, and `depth-with-let`.