Homework 5: Smalltalk

Put your Smalltalk code for the standard problems in `hw5.l`. (We will want to be able to see the `hw5.l` file in your directory.)

You should hand in a printout of your programs. (If you do extra-credit problems, please write the names of the file(s) where the source code for your solutions can be found on your print-out.)

Test your programs using the `smalltalk` command on Unix, which is the interpreter described in Appendix I.

1. (5 points) Do problem 1 on page 344 (random number generation).
2. (5 points) Write a program to reverse a list, where lists are represented using the List class on page 290.
3. (10 points) Do problem 2 on page 344 (Intervals).
4. (10 points) Do problem 4 on page 344 (Bags).
5. (30 points) Do problem 7, parts (a), (b) and (c) on page 346.
6. (extra credit only) Do problem 7, parts (d) and/or (e) on page 347.
7. (extra credit only) Do problem 11 on page 347.