CSCE 330 Fall 2004

PROGRAM 2

Assigned Tuesday 2004-10-26. Due Tuesday 2004-11-2.
(Note: There is no class on the due date.
Your work is due at midnight.)

1. Write an fp function to add two vectors of the same length represented as sequences. Call the function *addv*. For example, `addv: <<1,2,3>,<1,2,3>>` should equal `<2,4,6>`.

2. Write an fp function to add any number of vectors of the same length represented as sequences. Call the function *addvs*. For example, `addvs: <<1,2,3>,<1,2,3>,<2,3,4>>` should equal `<4,7,10>`.

3. Write a function that tests whether its argument is zero. Call it `iszero`. So, for example, `iszero:1` is `F`, while `iszero:0` is `T`.

Test your programs using the fp interpreter written by Carter Bays (`http://www.cse.sc.edu/~bays/FPlink`) and linked to the web site for our course to test your programs. Submit your programs using the departmental dropbox `project 2` in three separate files, called `addv`, `addvs`, and `iszero`, respectively.