Can Computers Think?
Week 7 Homework

Tuesday February 26: 2nd Exam

This exam will cover everything we have done since the last exam including what we are doing today (Feb 19). In particular, everything that has to do with lists and list processing, loops (while and for), recursion, rational agents, stimulus-response agents, artificial life. To prepare, do the reading (Zelle, How to think like a (Python) Programmer, Chapter 2 from Russell and Norvig; check the schedule on the web site), study the slides, review the programming exercises we have done, and do the new list exercises in CodeLab.

Due Thursday February 28

1. If you haven't finished the turtle program that uses a recursive function to draw a spiral in class, do so now. See the slides for more information.
2. Then use Python's built-in turtle-draw module to write a program that draws a Koch snowflake. See Zelle, p. 464, no. 8 for more details.

CodeLab

The CodeLab exercises in section "week 7" are due by Thursday February 28th. About half of the exercises are about lists and you can use them to prepare for the exam.

Reading

Zelle Chapter 13.

How to Think Like a (Python) Programmer Chapter 5.8-5.10 This book is available online.