

CMSC 435/634: Problem Set 2
Due March 26, 2012 (at beginning of class)

Consider the following grammar (the example from the project 3 descriptions):

X
 $X = F - [[X] + X] + F [+FX] - X$
 $F = FF$

- a) Give the string for generation 1 and draw the resulting plant figure.
- b) Give the string for generation 2 and draw the resulting plant figure.
- c) Define your own simple grammar.
- d) Give the string for generation of your grammar and draw the resulting plant figure.
Your grammar should be your own creation, rather than borrowed from some web or published source (even with proper citation).