Create Your Own Program, due 12/15/17

Identify the most complex algorithm in your program. This algorithm must itself be made up of at least two multi-instruction algorithms, yet function as one cohesive algorithm.  

This algorithm must clearly contribute to the overall purpose of the program, yet it cannot be the entire program or almost (more than 65% of) the entire program.  

You must be able to state exactly how this algorithm works, not just what it does.  

Within this algorithm, identify at least one multi-instruction algorithm that functions independently.  

At least two difficulties and how they were overcome must be documented. At least one overarching/overall difficulty or methodology must be identified.  

You must clearly identify an abstraction (most probably a function or list) and how it was used to manage the complexity of the entire program.  

Each part of your code must have a #comment explaining how it works/what it does.  

The program must allow reasonable opportunities for user interaction.  

The program should not result in any errors, inaccuracies, or confusions.  

The program must be unique. You must have #comments giving credit to parts not created independently.  

Evidence of copying/cheating will result in an immediate failure.