CS 1371 Finals Study Guide

Overview of What will be covered on the final:

Basics

* functions
* vectors
* arrays
* logicals
* indexing
* strings

Tools for Coding

* iteration
* conditionals

Subject Topics

* recursion
* cells
* images
* sorting
* graph theory

Notes from Study Session:

1. Terminating Step

2. Call to itself

3. Step towards terminating condition

Numerical Methods:

* Interpolation
  + interp1()
  + spline()
* Curve Fitting
  + Polyfit()
  + Polyval()
* Int/Diff
  + Trapz(), cumTrapz()
  + Diff(), cumsum()

Recursion Question from Test 3:

*function yrs = RI(int, fin, rate)*

*if int >= fin*

*yrs = 0;*

*else*

*yrs = 1 + RI(formula, fin, rate);*

*end*

*end*