README.txt Student: Harry Lyness Page 1 of 1 How to run and compile my program: type 'make' to compile code write 'sbatch jobscript.slm' to send machine code to cluster PROGRAMS MODIFIED: - Newton: Inexact newtons method for non-lienar diffusion equation - func: computes F(U) - Jacobian: computes F'(U) - vecdot: computes vector dot product for distributed vectors a,b - matmult: computes matrix vector product - negu: determines if computed solution U is negative - cg: computes CG algorithm to find solution to Ax = b- main: main function for running newton, returns results and saves solution - input: file which contains 'm' and 'lambda' (can be changed by user)