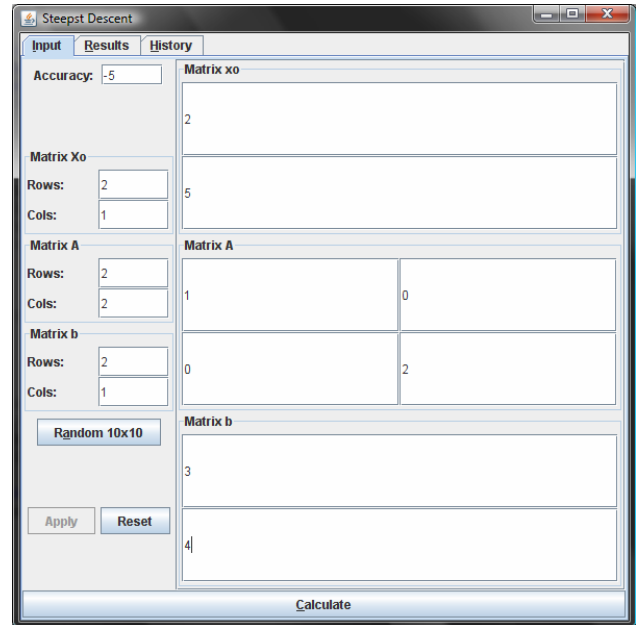


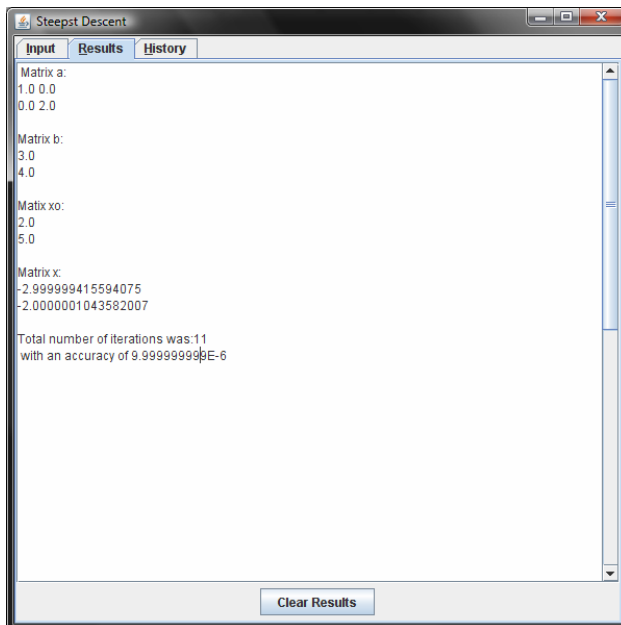
Steepest Descent Applet

The Input Pane:

- When beginning the program, you must first enter your accuracy level.
 - All you need to enter is the power value (i.e. -5 for 10^{-5})
- Next you can either choose to define your own matrix by filling out the Matrix dimension panels, or you choose build a *random 10x10* matrix by clicking the button below the Matrix b pane.
- With all the matrix dimensions filled out correctly click the *Apply* button and populate the tables with your values.
 - **NOTE:** If you chose a random matrix, the tables will not populate, but the program will proceed ahead to the next step.



The Results Pane:



- The *results pane* displays once the steepest descent has been *calculated*.
- The matrix x_0 , matrix b, and matrix A defined by the user, or by the randomizer is displayed at the top of the output.
- Directly below that is the solution set, matrix x.
- At the very bottom the number of iterations it took to reach matrix x is displayed.

The History Pane:

- The history pane is very similar to the results pane, except that it will hold all your results until cleared by the user.

