**Traveling Salesman problem solved by Simulated Annealing**

Your task is to use the simulated annealing algorithm described in class to solve the traveling salesman problem for the 50 cities whose x and y coordinates are listed in the MATLAB file Traveling.m which is available on the D2L site for the course under Contents. The coordinates are roughly equivalent to the location of the 50 state capitals but in some non-standard unit. You must find a short path around the whole circuit. You can adjust your “temperature” and “cooling schedule” to come up with the best answer you can.

The material that you should submit in a Word or pdf document are:

1. Your simulated annealing code.

2. Your lowest cost value.

3. A plot of the path around all the cities for the lowest cost value.

4. A cooling curve showing the cost function as the calculation progresses for the lowest cost value.