Pseudocode

Part 1.

Create a function that reads Matrix text files.

Create a function that Calculates the output Matrix.

Make identity matrix.

Make I – D Matrix

Make I – D Inverse Matrix

Multiply Inverse Matrix by Matrix E

Round the Output Matrix to the nearest 10th

Write to output file.

Part 2.

Create a function that reads ordered pairs into tuple list.

Create arrays for x and y that are the size of the ordered pair list.

For pairs in list

Isolate x and add to x array column 2.

Add x to x list.

Isolate y and add to y array.

Create scatterplot with x and y.

End For

Transpose array X

Multiply Transpose X by X array.

Multiply Transpose X by Y array.

Inverse Transpose X array.

Create A array that is Inverse Transpose X by X Transpose Y array.

Use values to create y = mx + b

Plot the line