PROGRAMMING CHALLENGE

A is a matrix of dimensions with n rows and columns with entries of "1" in some of the elements below the diagonal in a spreadsheet. The other entries are empty. The file is exported as a .csv comma delimited file, which is basically a text file. The challenge is to create a new .csv file that can be imported into the spreadsheet which will be a new matrix B where $B=A+A^T+I$ where A^T is the transpose of **A** and I is the identity matrix. The program should have as its inputs the value n and the .csv file for **A** and the output will be the .csv file for B. For this exercise, here is the sample data:

$n = 24$

$A=$

$A^T=$

$I=$

$$B = A + A^T + I =$$

The text in the .csv file for **A** is:

,,,,,,,,,,,,,,,,,,,,,
1,,,,,,,,,,,,,,,,,,,,
1,1,,,,,,,,,,,,,,,,,,
1,1,1,,,,,,,,,,,,,,,,,
,,,,,,,,,,,,,,,,,,,,,
1,1,1,1,,,,,,,,,,,,,,,,
1,1,1,1,,,,,,,,,,,,,,,,
1,1,1,1,,1,1,,,,,,,,,,,,
1,1,1,,,1,1,1,,,,,,,,,,,
1,1,1,1,,1,1,1,,,,,,,,,,
1,1,1,1,,1,1,1,1,,,,,,,,,,
1,1,1,1,,,1,1,1,1,,,,,,,,,,
,1,1,1,,1,1,1,1,1,1,,,,,,,,,,
1,,1,1,,1,1,,1,1,1,1,,,,,,,,,
1,1,,1,,1,1,1,1,1,,1,,,,,,,,,
1,1,1,1,,1,1,,1,1,1,1,,1,,,,,,,
,1,1,1,,1,1,,1,1,1,1,1,1,1,1,,,,,,
1,1,1,1,,1,,1,1,1,1,,,1,1,1,,,,,,
1,1,,1,,1,1,1,1,1,,,,1,1,1,1,,,,,
1,1,,1,,1,1,1,1,1,1,1,1,1,1,,1,1,1,,,,
,,,,,,1,1,,,1,1,,1,1,1,1,1,1,1,,,
1,1,1,1,,1,1,1,,1,1,1,1,1,1,1,1,1,1,1,1,,
,1,1,1,,,1,,1,1,1,1,1,1,,1,1,1,1,,,
1,,1,1,,1,1,,,1,1,1,1,1,1,,,1,1,1,1,1

The output of the program for this example will be a .csv comma delimited file that when opened with the spreadsheet will result in the data for the matrix **B**.
NOTE: the entries which are not "1" should be empty, not zero or anything else.