Exercise 1 - Answers

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* **Use the function size() to retrieve information about the matrix A. What information about the network does size() return?**  
  The size() function returns the dimensions (columns and rows) of the matrix passed in as an argument. In our case we get a vector [10 10] which means our matrix has 10 rows and columns.
* **Is the resulting sparse adjacency matrix identical to the adjacency matrix computed previously?**The resulting matrix is different, it has 14 rows and 2 columns, because it treats the digits from the file as the values of the matrix.
* **Apply the function nnz() to the sparse adjacency matrix A. What is the meaning of its return value in terms of the network?**Function nnz() returns the number of non zero values, which means that this result divided by 2 gives us the number of edges in our graph.