**Commentary**

* **Why did you choose the implementation you did?**

I chose to save the matrix into nodes since they can be allocated dynamically. It is also better than saving the matrix into an array because creating an array, there is space that is already allocated for values of zero. By using nodes, nodes will only be created only if there is data that needed to be saved.

I also implemented a couple helper functions into the code that would make programming the assignment easier. For example: I created a function that would return the node at a certain position, another to return the total row and column amounts, another to get the total size of the linked list, and another that would easily add nodes to the end of the linked list.

* **What did you learn from doing this assignment?**

I learned how to properly use nodes and how to manipulate them into something useful such as calculating the determinant of a matrix. The assignment included the use of recursion, but I did not personally gain anything from it since I found it to be very easy.

* **What is the computational complexity of the operations in your matrix implementation?**
  + Adding to the end of the linked list with no tail is O(n).
  + Getting input and placing matrix into nodes is O(n2).
  + Getting an element from the linked list is O(n).
  + Getting row and column amount is O(n).
  + Getting size of linked list is O(n).
  + Finding the minor matrix is O(n).
  + Finding determinant (recursion) is O(n).
  + Overall: O(n2)
* **What was the hardest part of this assignment?**

The hardest part of the assignment was to manage the nodes properly to maintain continuity across the list which includes updating the column and row information when needed. Because of that, it was originally difficult to think of a way to make the minor function to work in terms of updating the row and column numbers to make sure that the determinant function, which is recursive, worked.

Without being allowed the helper function to gather input from the user, it would have been very difficult to save the input into nodes. The getInput function needed to be adapted to save nodes properly and I created the add function in order to accomplish this. The determinant function was really the easiest part of the project.