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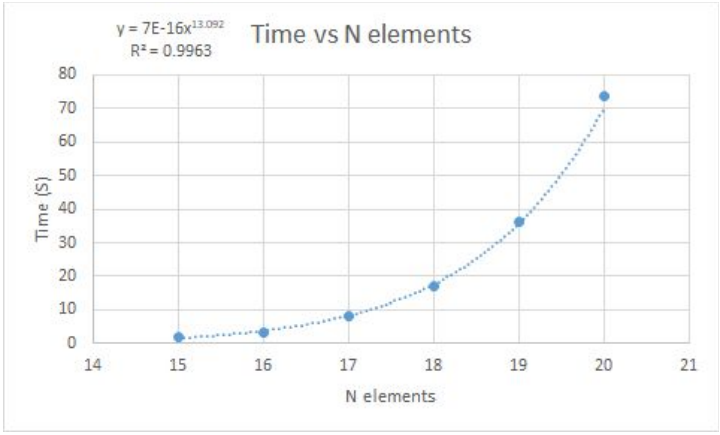
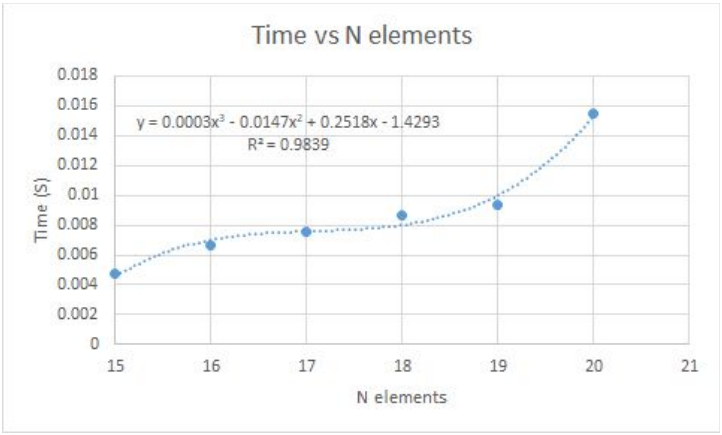
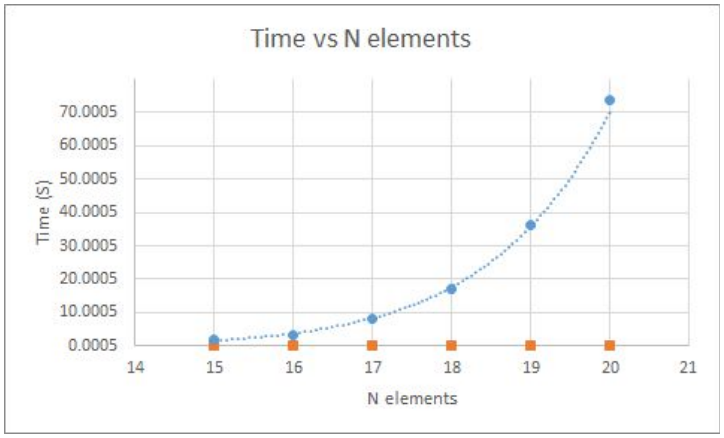
2.







3.

a. For the first plot it seems to be close to the officency and the reason i say this is from the equations shown above we can see that the lines do a good job fitting the equation.

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    b. The evidence is pretty consistent and the reason is because the graphs do show a good fit for the efficiency algorithms.
    c. The second algorithm was much more difficult to implement because we found out that we couldn't use a normal matrix like we thought we needed to do before. Because of that it made things a little bit more difficult and that makes sense. Some of the most efficient algorithms are the hardest to implement and in terms of ease i prefer exhaustive in terms of efficiency dynamic programming.