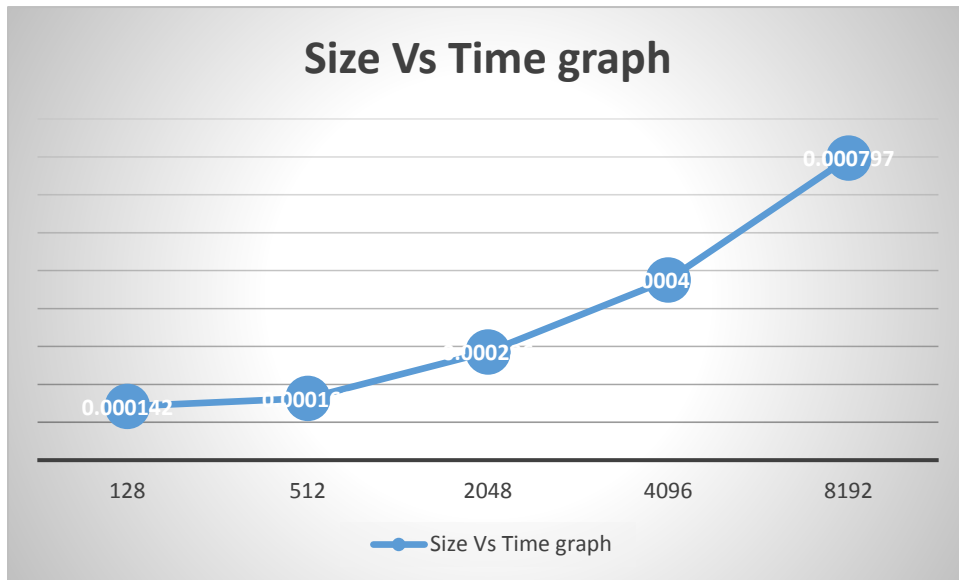Results

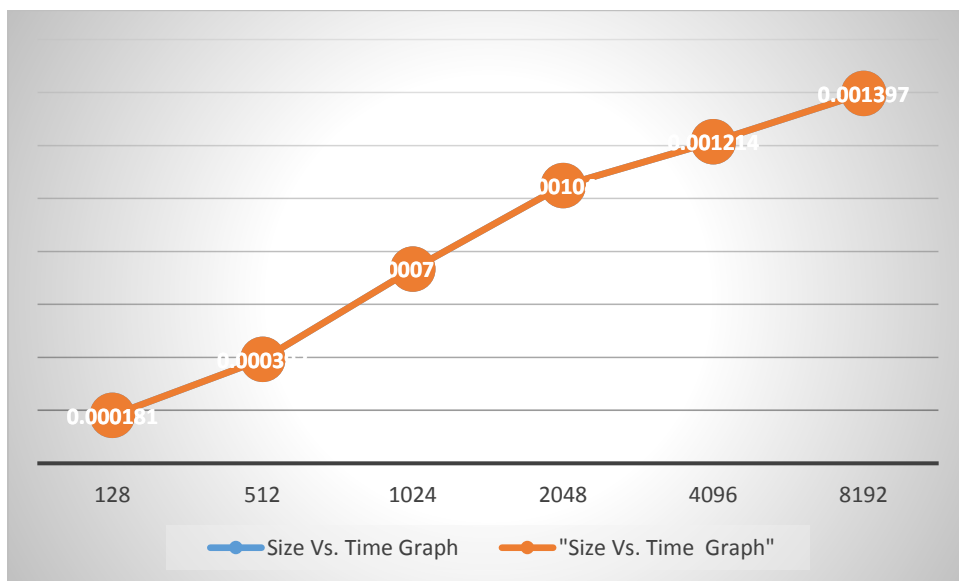1. Parallel addition of numbers in an array.

X axis - Size of Array   Y axis   -   Wall time
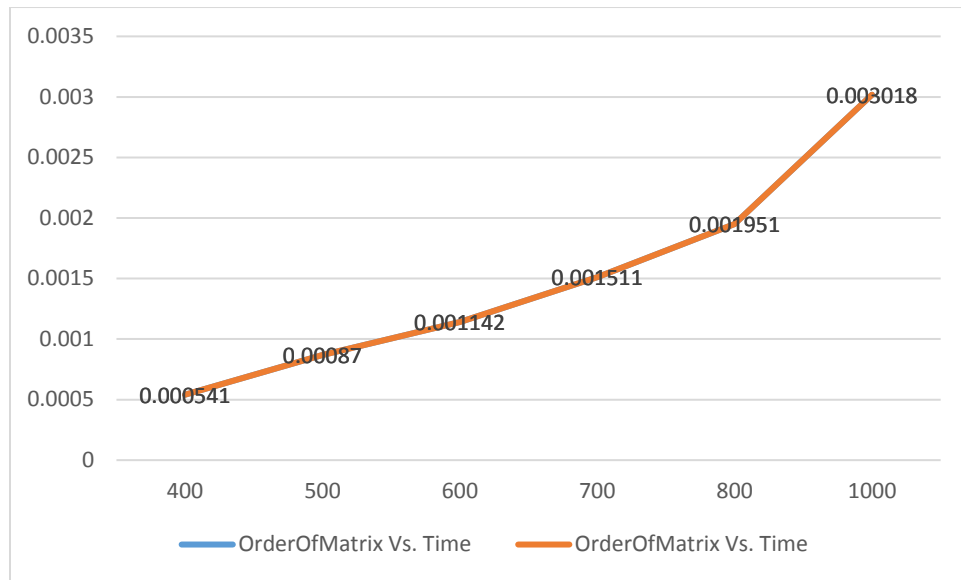
2. Parallel Prefix Sum

X axis - Size of Array   Y axis   -   Wall time

3. Matrix Vector Multiplication

I have considered matrix to be square.
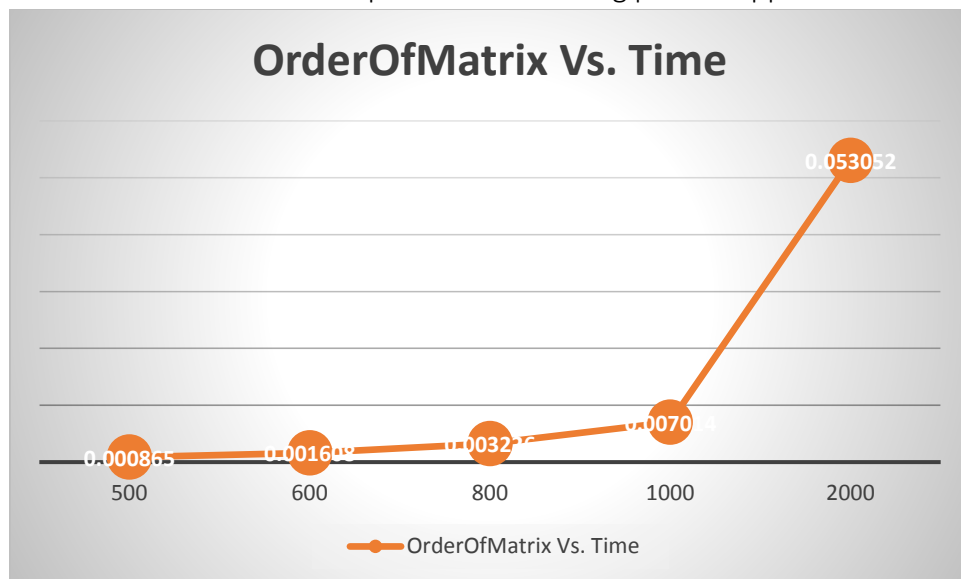

X axis - Order Of Matrix   Y axis - Wall time

4. Transpose Of a Matrix
Although we don't need to store transpose of matrix in different matrix.
We can use data of same matrix and use it as transpose by swapping row and column in index.
But here I have stored transpose of matrix using parallel approach.

X axis - Order Of Matrix   Y axis - Wall time

5. Finding root in a Graph using pointer jumping

Here input we have to give is a forest (set of disconnected tress), which I provided manually.
Thence inputting bigger matrix is not feasible and graph for smaller inputs is insignificant since its coming out to be straight line sometimes falling with small increase in number of vertices and edges.