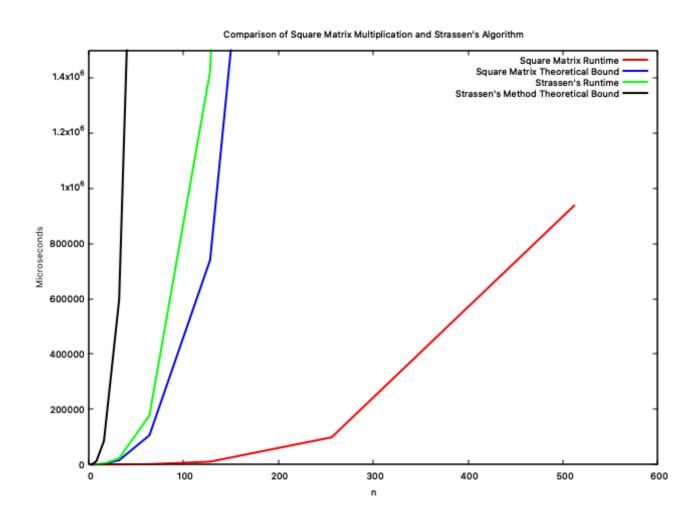
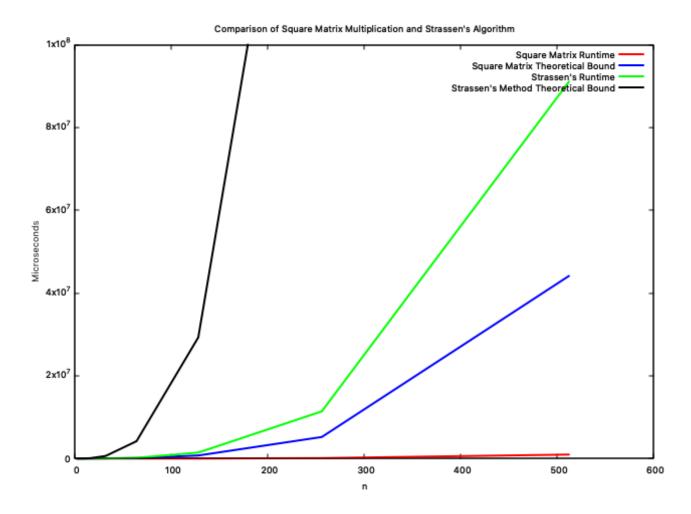
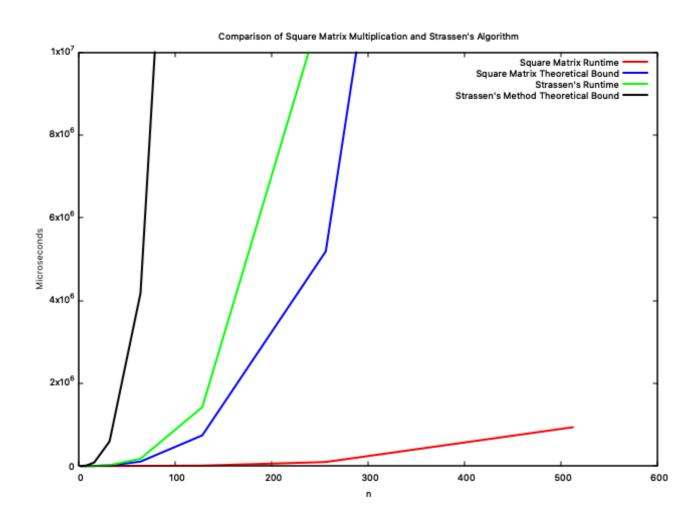
Note: The final plot with correct title is at the end. The other plots are with different y ranges.

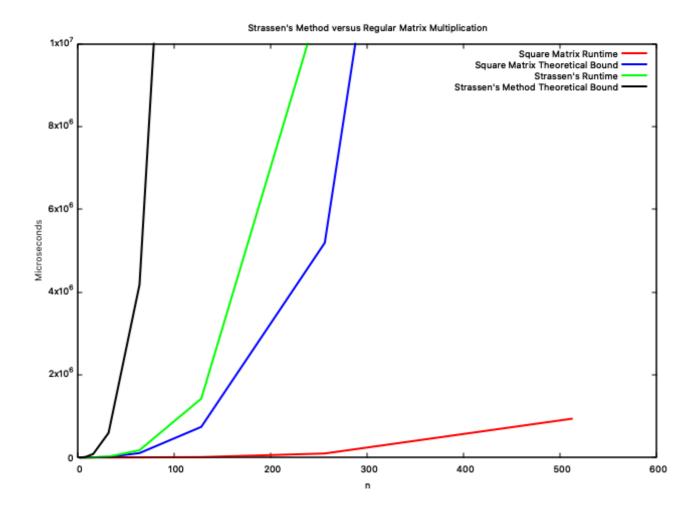
n	Square Matrix Runtime	Square Matrix Theoretical Bound	Strassen's Method Runtime	Strassen's Method Theoretical Bound
2	2	5.42662	7	246.156
2^2 = 4	0	43.413	44	1726.25
2^3 = 8	3	347.304	304	12105.9
2^4 = 16	20	2778.43	2147	84897.1
2^5 = 32	161	22227.4	15235	595370
2^6 = 64	1218	177820	105678	4.17524E+06
2^7 = 128	10266	1.42256E+06	740545	2.92803E+07
2^8 = 256	98257	1.13805E+07	5.18944E+06	2.05338E+08
2^9 = 512	937904	9.10436E+07	4.4121E+07	1.44001E+09







Final Graph Plot:



```
For n = 4, we have matrix A:
1 1 1 4
1 1 2 3
2 2 4 2
4 3 2 2
And matrix B:
3 4 4 2
4 1 4 2
3 2 1 2
The product using square matrix multiplication is:
14 23 21 22
16 21 19 20
28 26 26 24
32 31 36 26
The product using Strassen's Method:
14 23 21 22
16 21 19 20
28 26 26 24
32 31 36 26
```