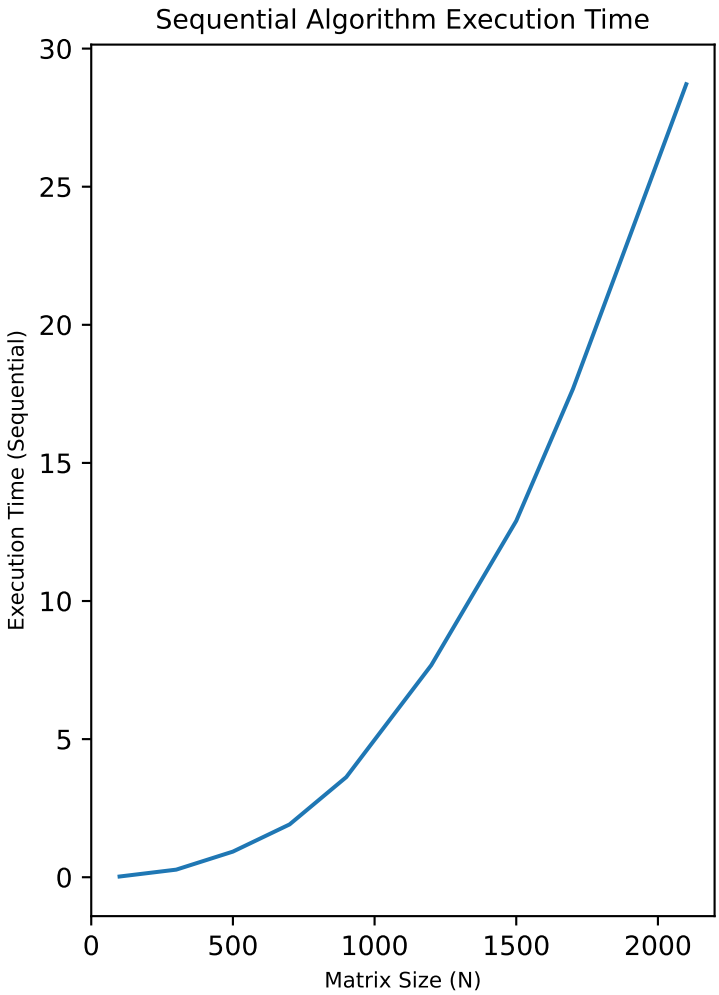
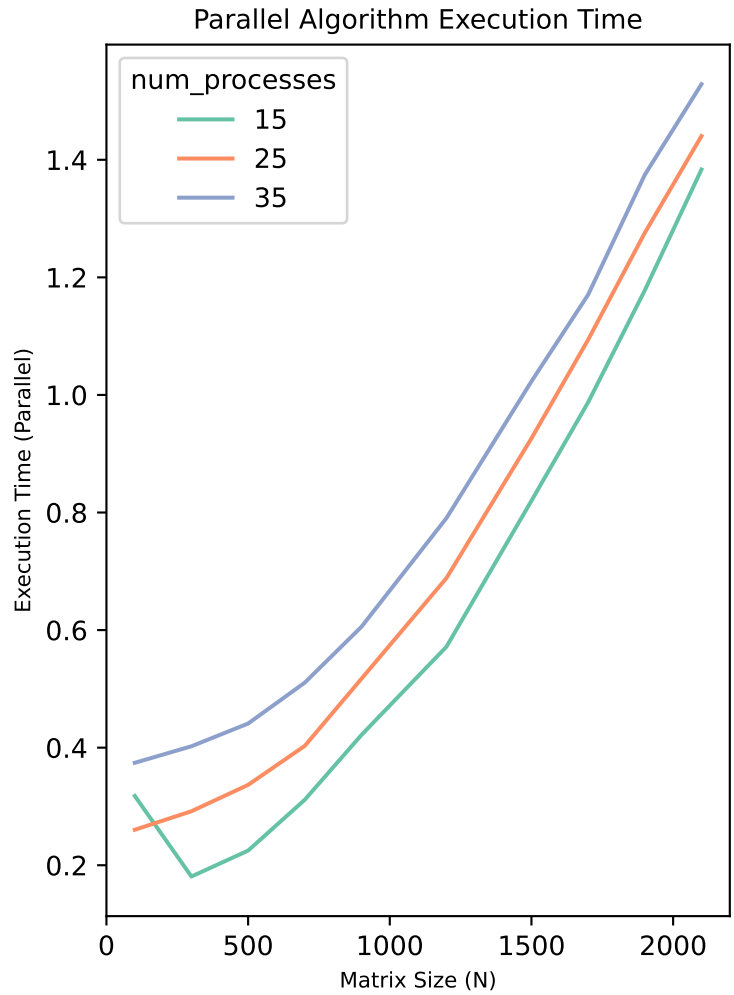
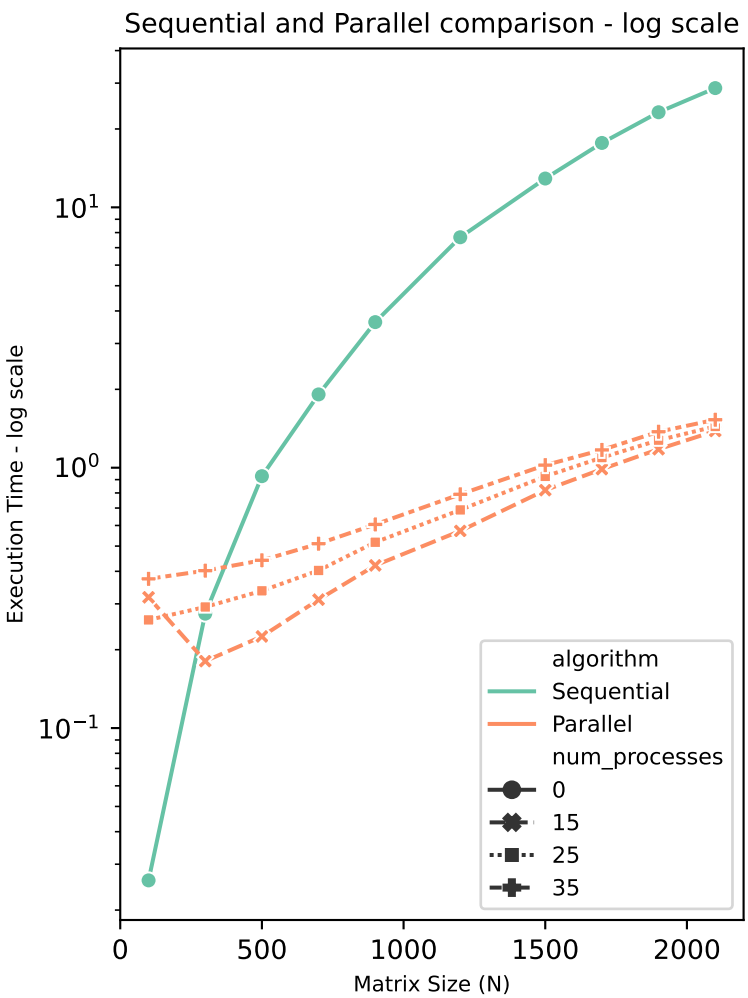
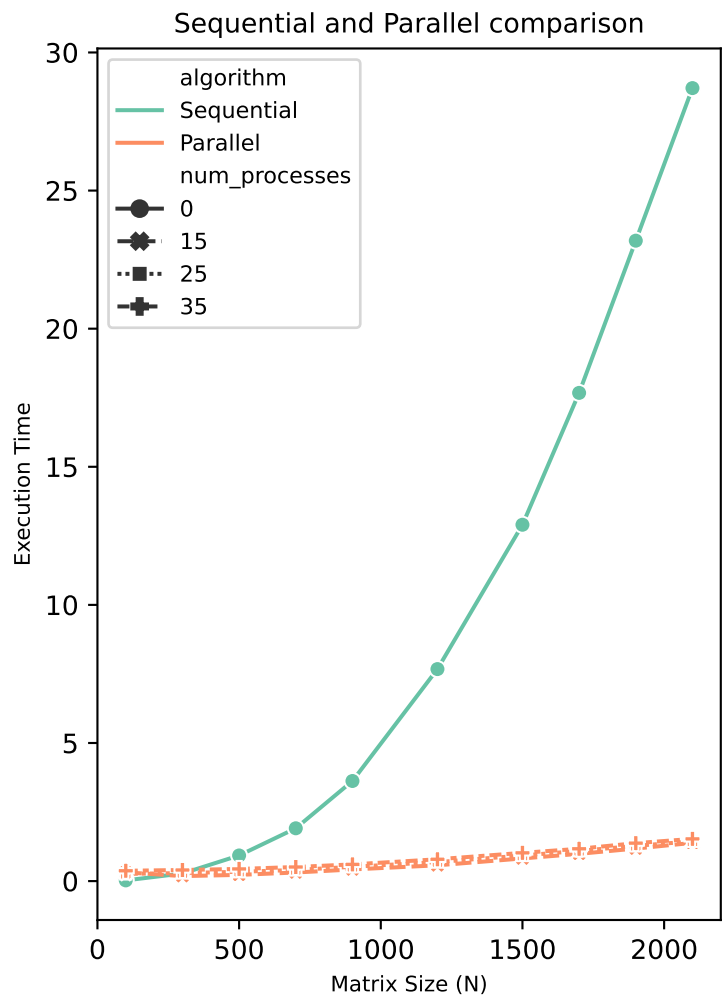
Comparison of the execution times between Sequental and Parallel algorithms









Summary DataFrame

N	c	num_processes	algorithm	execution_time
100	3	0	Sequential	0.02600300000000022
300	3	0	Sequential	0.2750689999999998
500	3	0	Sequential	0.9279879999999996
700	3	0	Sequential	1.912089
900	3	0	Sequential	3.6243410000000003
1200	3	0	Sequential	7.675992999999998
1500	3	0	Sequential	12.901742000000002
1700	3	0	Sequential	17.675542
1900	3	0	Sequential	23.186224999999993
2100	3	0	Sequential	28.710336000000012
100	3	15	Parallel	0.3179090000000002
100	3	25	Parallel	0.26031399999999394
100	3	35	Parallel	0.37422199999998895
300	3	15	Parallel	0.18080100000000243
300	3	25	Parallel	0.2918170000000089
300	3	35	Parallel	0.40234399999999937
500	3	15	Parallel	0.22487599999999475
500	3	25	Parallel	0.3366670000000056
500	3	35	Parallel	0.4410120000000006
700	3	15	Parallel	0.311388000000008
700	3	25	Parallel	0.4030439999999942
700	3	35	Parallel	0.510627999999997
900	3	15	Parallel	0.4215909999999923
900	3	25	Parallel	0.5172460000000001
900	3	35	Parallel	0.605598999999998
1200	3	15	Parallel	0.5717070000000035
1200	3	25	Parallel	0.6885019999999997
1200	3	35	Parallel	0.7904979999999995
1500	3	15	Parallel	0.8200060000000065
1500	3	25	Parallel	0.926162000000005
1500	3	35	Parallel	1.0230740000000083
1700	3	15	Parallel	0.987435000000005
1700	3	25	Parallel	1.093907999999999
1700	3	35	Parallel	1.1704699999999946
1900	3	15	Parallel	1.177931000000001
1900	3	25	Parallel	1.2757239999999967
1900	3	35	Parallel	1.374449999999996
2100	3	15	Parallel	1.3834159999999969
2100	3	25	Parallel	1.4403250000000014
2100	3	35	Parallel	1.5285590000000013