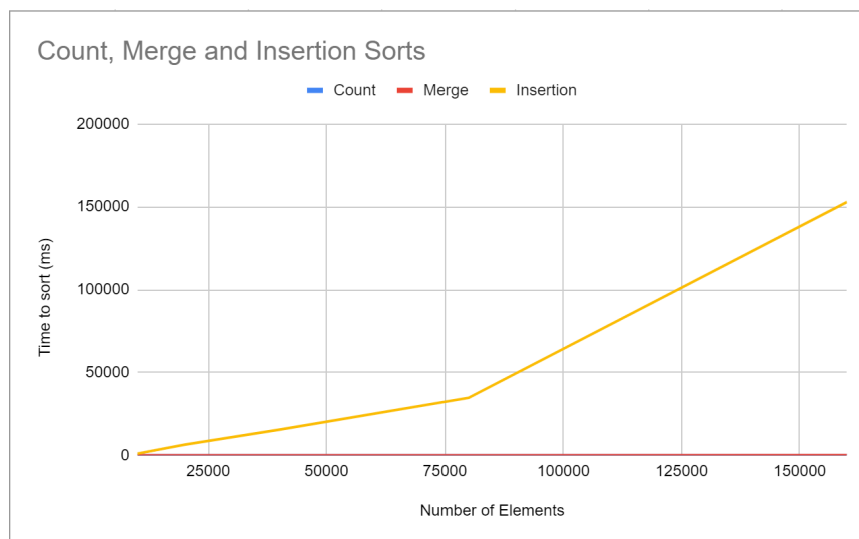
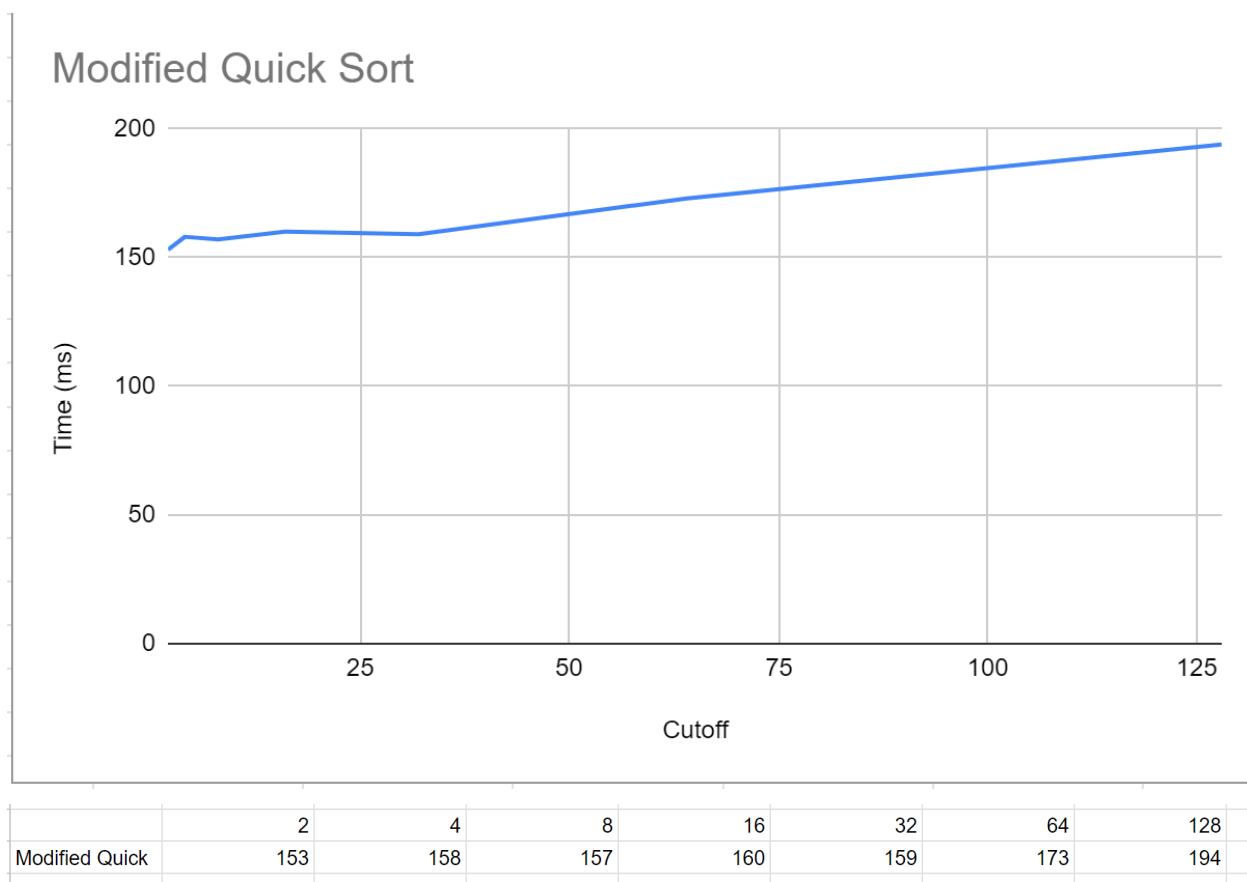


- 1) The time it takes to run insertion sort increases greatly with the number of operations, while merge and count sort take relatively little time regardless of the number of operations.



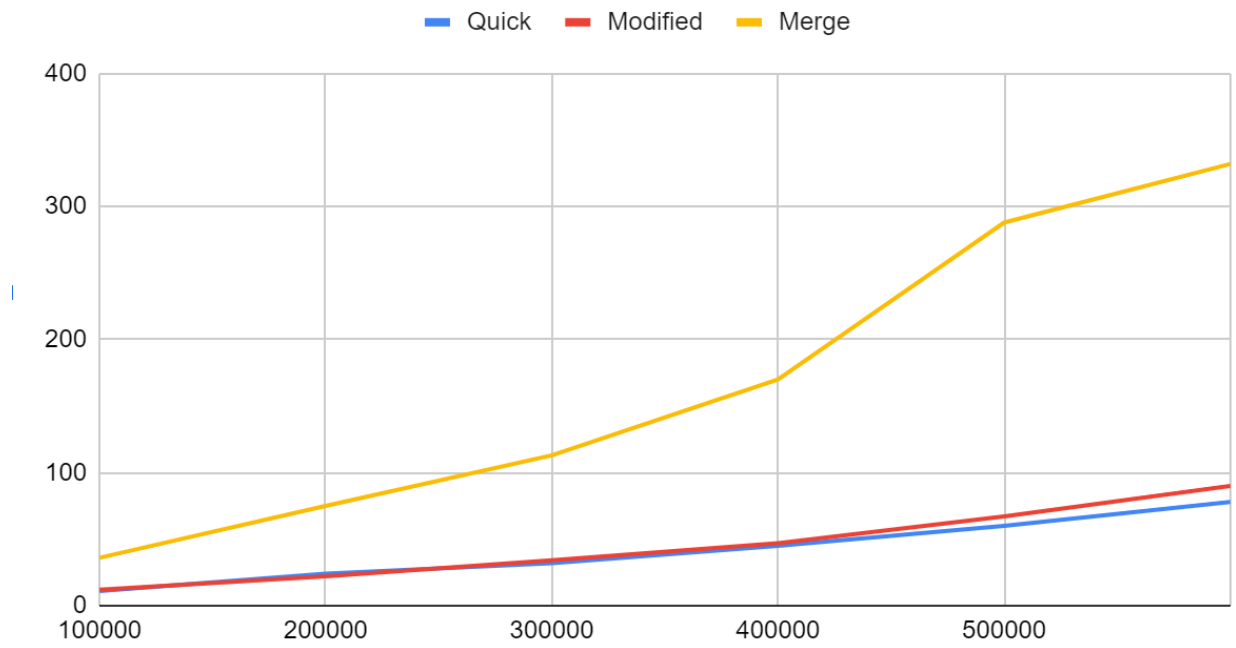
	10000	20000	40000	80000	160000
Count	6	1	1	0	3
Merge	27	24	19	32	90
Insertion	1057	6474	15472	34718	152848

- 2) The fastest cutoff is 2



3) Modified and Quick are similar, merge is significantly slower

Quick, Modified and Merge



4)