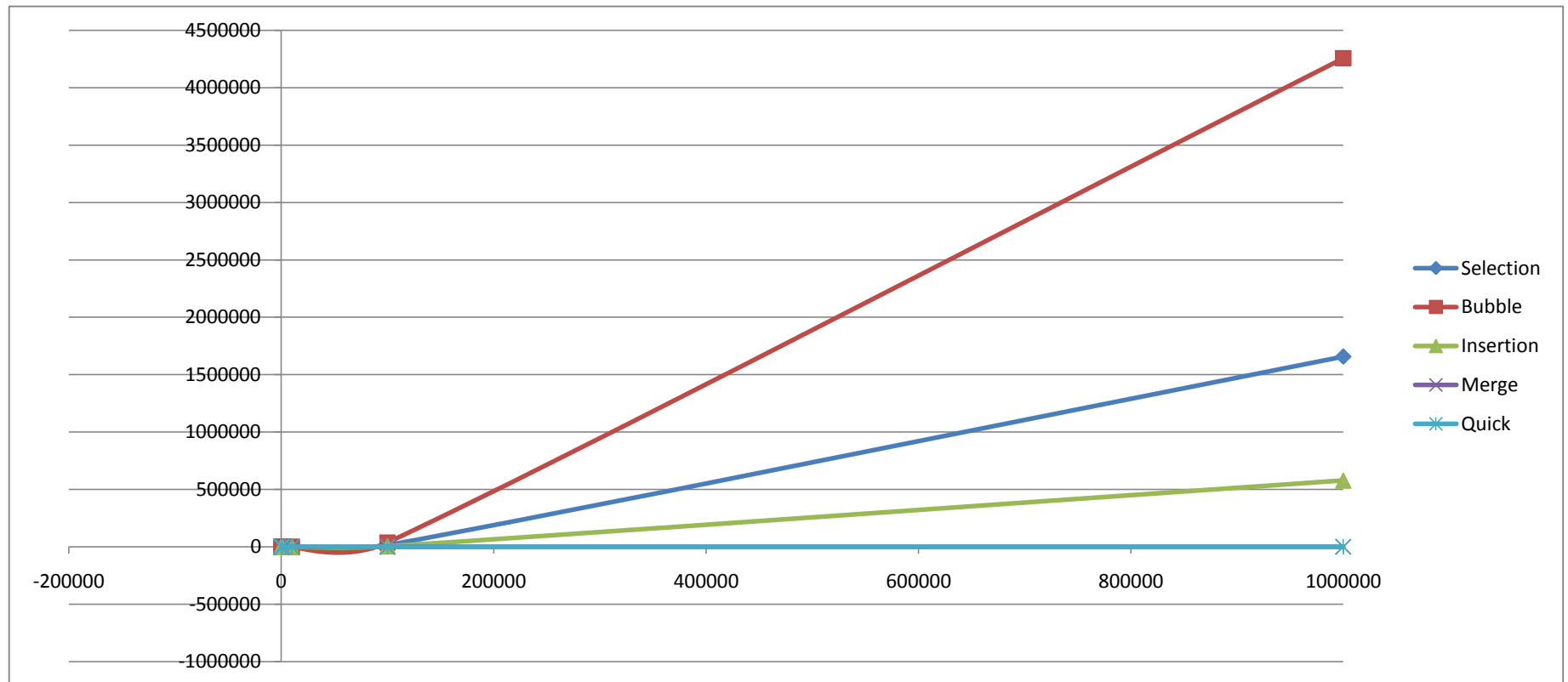


Selection		Bubble		Insertion		Merge		Quick	
n	milliseconds	n	milliseconds	n	milliseconds	n	milliseconds	n	milliseconds
10	2	10	0	10	0	10	0	10	0
100	0	100	1	100	0	100	0	100	0
1000	13	1000	7	1000	6	1000	3	1000	0
10000	150	10000	388	10000	47	10000	40	10000	5
100000	15400	100000	37453	100000	4975	100000	26	100000	20
1000000	1657093	1000000	4256445	1000000	578009	1000000	846	1000000	408



Q1 It is pretty obvious that the quicksort performed the best.

Q2 Quick sort is $O(n \log(n))$.

Q3 Big O didn't matter for anything less than $n=10000$.

Q4 If it was a small amount of data I would use selection or bubble sort as they are easy to implement. If it is large I would use Quicksort

