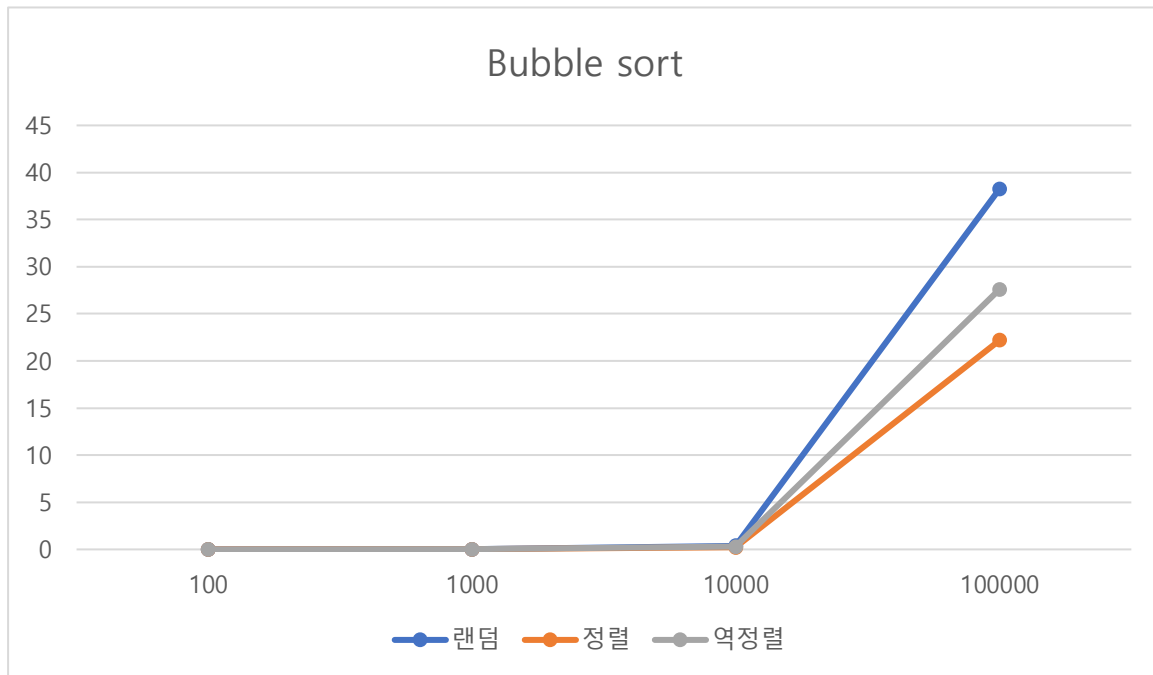
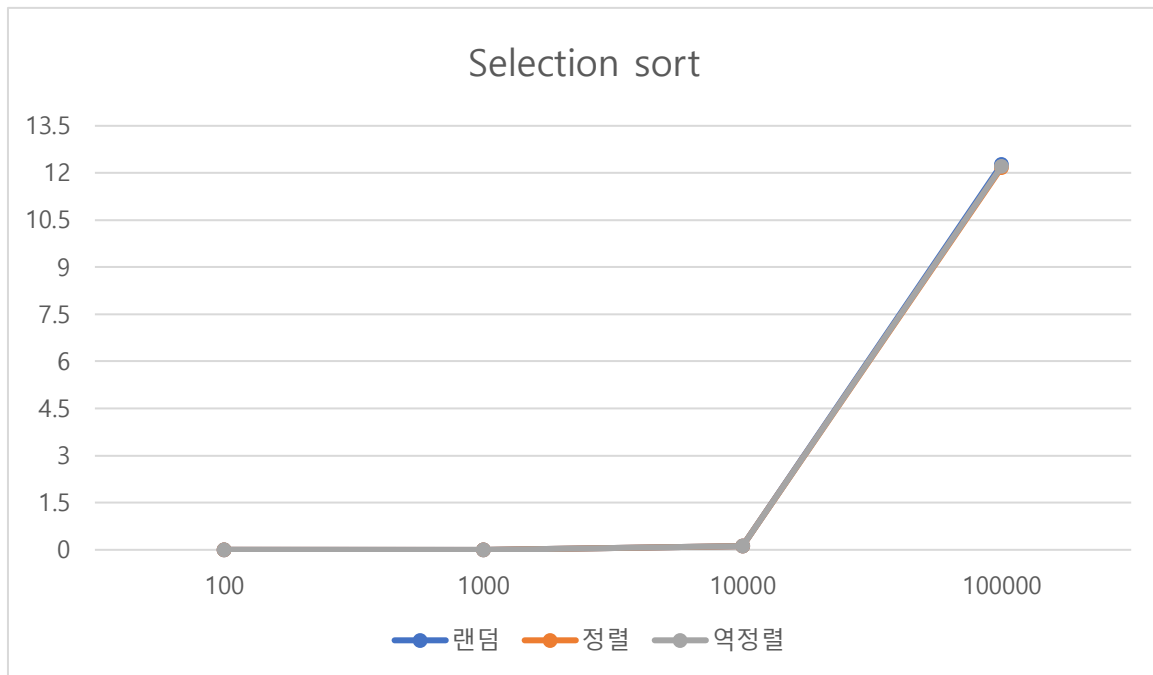


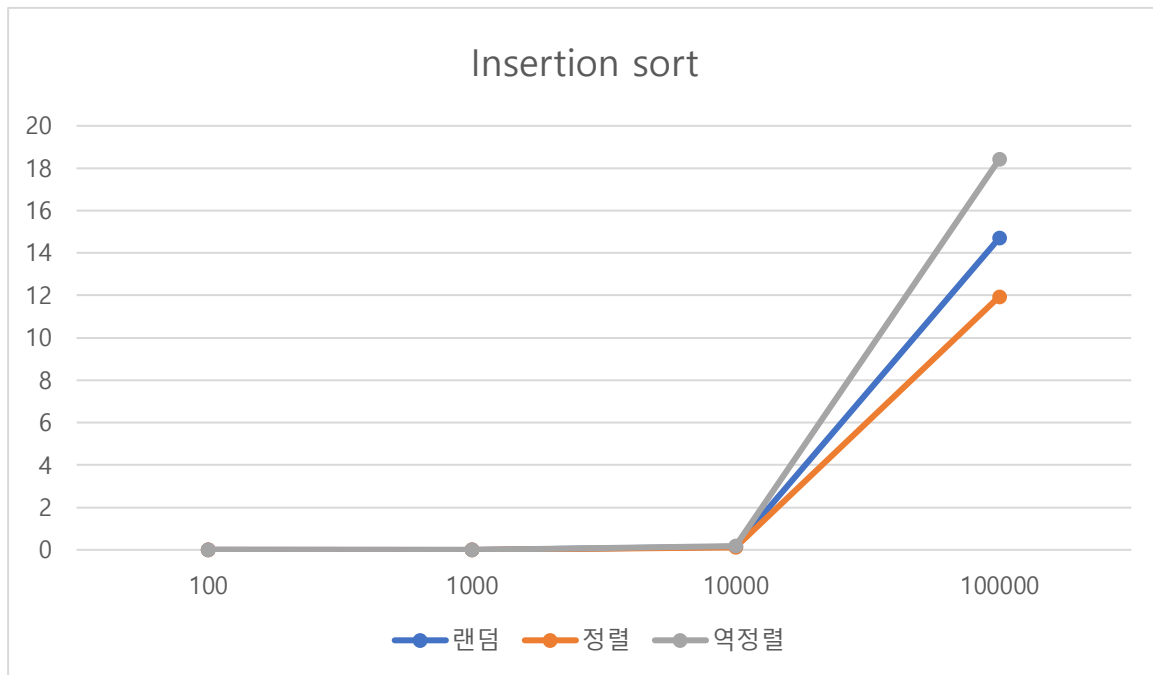
정렬 알고리즘 시간복잡도 차트



개수	랜덤	정렬	역정렬
100	0.0000476	0.000041	0.000042
1000	0.0031668	0.002326	0.002961
10000	0.3938752	0.227373	0.277504
100000	38.247772	22.18183	27.59913
시간복잡도	$O(n^2)$	$O(n^2)$	$O(n^2)$

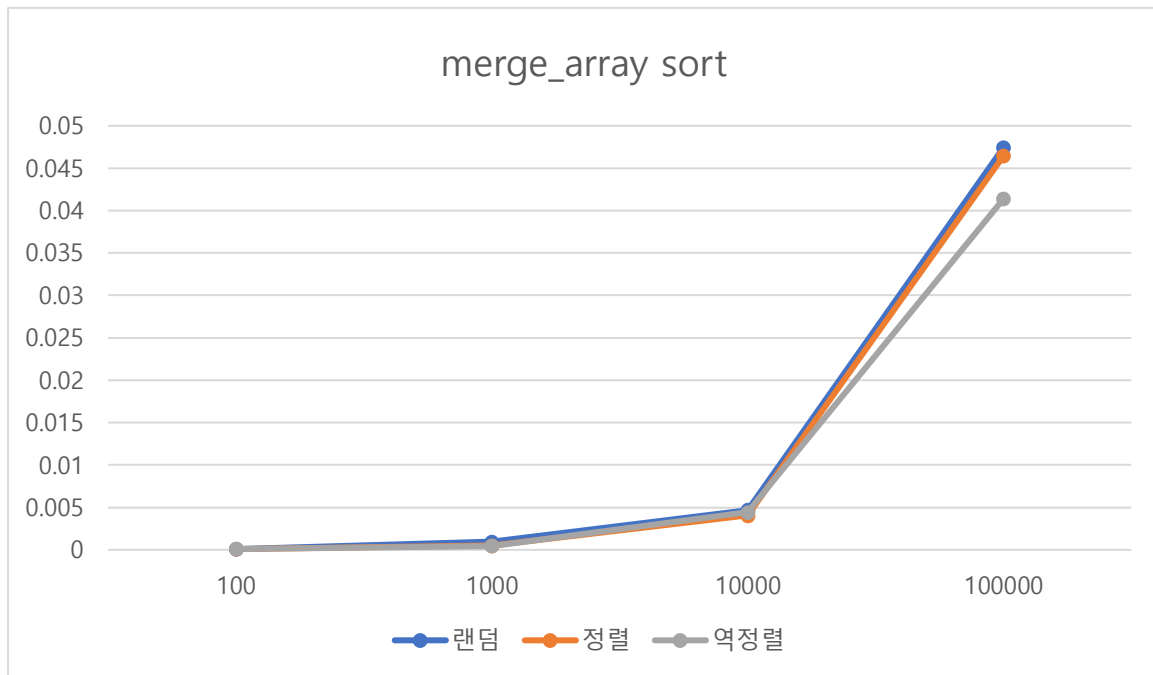


개수	랜덤	정렬	역정렬
100	0.0000158	0.0000232	0.0000144
1000	0.0017758	0.0012138	0.001281
10000	0.1190026	0.125203	0.1276872
100000	12.271654	12.176487	12.208022
시간복잡도	$O(n^2)$	$O(n^2)$	$O(n^2)$

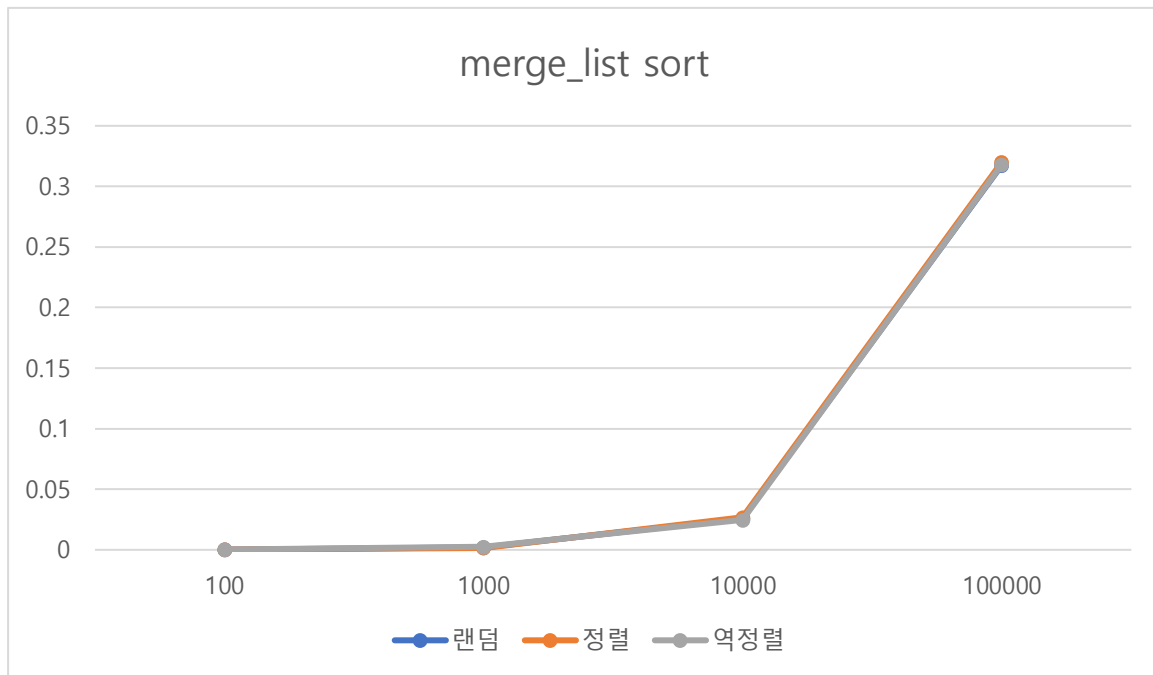


개수	랜덤	정렬	역정렬
100	0.0000178	0.0000112	0.0000302
1000	0.0016294	0.0012698	0.0018198
10000	0.1487194	0.1161272	0.1907448
100000	14.716085	11.954061	18.429422
시간복잡도	$O(n^2)$	$O(n^2)$	$O(n^2)$

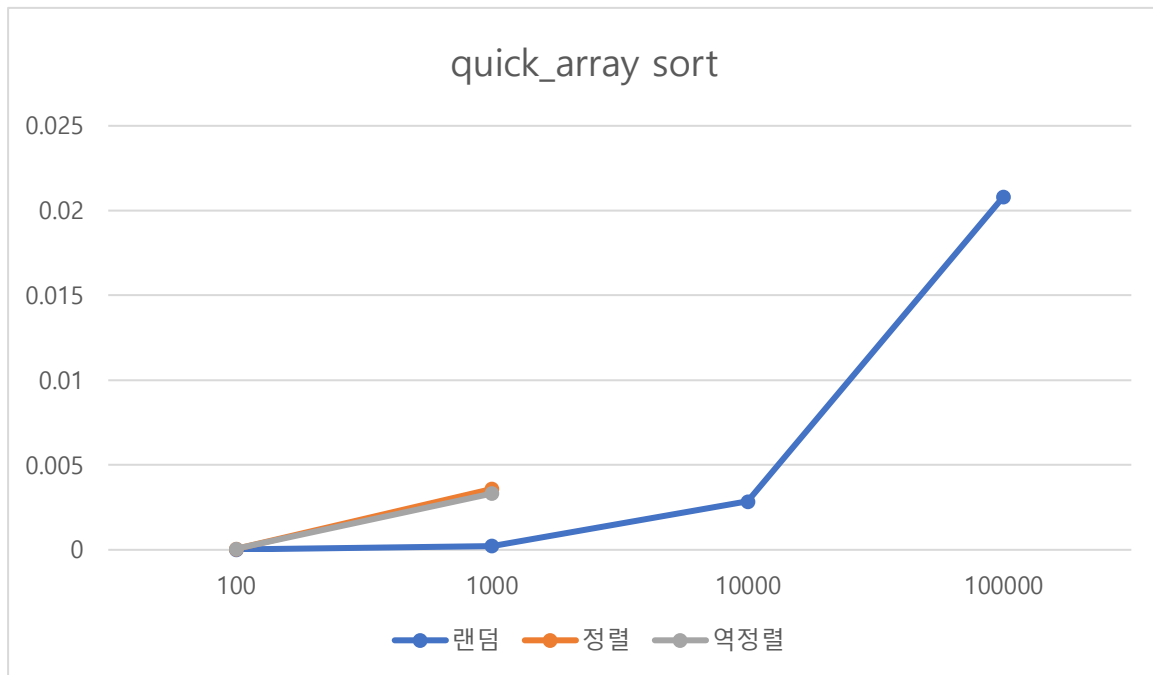
-최선일 경우 $O(n)$ 시간이 나와야하지만 결과가 나오지 않았다.



개수	랜덤	정렬	역정렬
100	0.0000834	0.000086	0.0000916
1000	0.0009536	0.000505	0.0004772
10000	0.0046714	0.0040398	0.0044134
100000	0.047429	0.0464378	0.0413762
시간복잡도	$O(n \log n)$	$O(n \log n)$	$O(n \log n)$



개수	랜덤	정렬	역정렬
100	0.000141	0.000176	0.0002388
1000	0.001977	0.001761	0.0024828
10000	0.025756	0.026717	0.024522
100000	0.317537	0.320037	0.3180472
시간복잡도	$O(n \log n)$	$O(n \log n)$	$O(n \log n)$



개수	랜덤	정렬	역정렬
100	0.0000218	0.000056	0.0000668
1000	0.0002264	0.003587	0.0033184
10000	0.0028542		
100000	0.020821		
시간복잡도	$O(n \log n)$	$O(n^2)$	$O(n^2)$