

ANALYSIS OF MERGE SORT

SIZE OF LIST Vs EXECUTION TIME

SIZE OF LIST	EXECUTION TIME
1,00,000	0.064243
1,50,000	0.077429
2,00,000	0.100000
2,50,000	0.120629
3,00,000	0.150650
3,50,000	0.177016
4,00,000	0.213932
4,50,000	0.236415
5,00,000	0.254149
5,50,000	0.279178
6,00,000	0.317179
6,50,000	0.345000
7,00,000	0.357643
7,50,000	0.385976
8,00,000	0.416729
8,50,000	0.430072
9,00,000	0.469229
9,50,000	0.486925
10,00,000	0.518778