

ANALYSIS OF QUICK SORT

SIZE OF LIST Vs EXECUTION TIME (in seconds)

SIZE OF LIST	EXECUTION TIME
1,00,000	0.018135
1,50,000	0.021622
2,00,000	0.028104
2,50,000	0.035681
3,00,000	0.043646
3,50,000	0.051903
4,00,000	0.060801
4,50,000	0.068865
5,00,000	0.076808
5,50,000	0.086272
6,00,000	0.094977
6,50,000	0.102405
7,00,000	0.110593
7,50,000	0.118785
8,00,000	0.125952
8,50,000	0.134147
9,00,000	0.144382
9,50,000	0.153600
10,00,000	0.16499