EXPERIMENTAL STUDY

time(in microseconds)

	23 Tree	RBTree	AVL Tree	Skip List	
100	277	295	665	638	
500	1018	1260	2605	1289	
1000	2508	3469	4797	5357	
5000	13306	21307	20329	15882	
10000	28016	21272	24356	22809	
50000	98681	106467	97345	96086	
100000	191783	208174	191377	194546	
500000	922072	1033978	927513	913200	

As can be seen from the above observations that all four data structures run in O(log n) time in all the cases. Also in this implemetation, we can see while comparing the performance of all four data structures, for small values, 23 Tree and RB Tree run in less time compared to skip list and AVL Tree. Whereas for larger values, all the four data structures show almost same performance.