Sort Benchmark

(1st Experiment)

Input Range [0, 1000]

Input Size: 10000

(Uniformly Distributed)

Processor time consumed (Clock ticks)

	Bubble Sort	Heap Sort	Insertion Sort	Merge Sort	Quick Sort	Selection Sort
I	677	42	164	15	38	353
II	1202	66	203	18	48	356
III	1049	43	178	20	40	368
IV	1118	60	205	20	44	367
V	1109	49	193	16	58	362
VI	1154	66	197	24	46	369
VII	1135	47	176	26	51	356
VIII	1192	55	202	21	55	294
IX	981	58	183	18	39	334
X	1144	46	164	18	40	337

Logarithm of Processor time Consumed (Clock ticks)

	Bubble Sort	Heap Sort	Insertion Sort	Merge Sort	Quick Sort	Selection Sort
I	9.40	5.39	7.36	3.91	5.25	8.46
II	10.23	6.04	7.67	4.17	5.58	8.48
III	10.03	5.43	7.48	4.32	5.32	8.52
IV	10.13	5.91	7.68	4.32	5.46	8.52
V	10.12	5.61	7.59	4.00	5.86	8.50
VI	10.17	6.04	7.62	4.58	5.52	8.53
VII	10.15	5.55	7.46	4.70	5.67	8.48
VIII	10.22	5.78	7.66	4.39	5.78	8.20
IX	9.94	5.86	7.52	4.17	5.29	8.38
X	10.16	5.52	7.36	4.17	5.32	8.40