

Lab2 - Assignment 6

Execution time for different values of cut-off to Insertion Sort in Merge Sort

Different cut-off values in a range of 0-30 are tested in the same randomised array of 1 000 000 elements.

Table Execution Time for Improved Merge Sort

CUTOFF value	Execution Time
1	1s 959ms
2	1s 840ms
3	1s 924ms
4	1s 788ms
5	1s 959ms
6	1s 855ms
7	2s 2ms
8	2s 113ms
9	2s 94ms
10	2s 439ms
11	2s 12ms
12	2s 404ms
13	2s 422ms
14	2s 322ms
15	2s 153ms
16	2s 253ms
17	2s 261ms
18	2s 84ms
19	2s 164ms
20	2s 343ms
21	2s 153ms
22	2s 90ms
23	2s 56ms
24	2s 520ms
25	2s 375ms
26	2s 167ms
27	2s 401ms
28	2s 157ms
29	2s 229ms
30	2s 116ms
Compare to CUTOFF:	
1000	7s 769ms

