

Shell Sort - Exercise

7

Start with a gap size of half the length of the list, halve the gap size after each pass (text book implementation). Show the elements at the end of each pass.

0 1 2 3 4 5 6 7 8

54 26 93 17 77 31 44 55 20 List to sort

20 26 44 17 54 31 93 55 77 PASS 1 – gap size 4

20 17 44 26 54 31 77 55 93 PASS 2 – gap size 2

17 20 26 31 44 54 55 77 93 PASS 3 – gap size 1