

1). Merge sort

[5, 2, 4, 7, 1, 3, 2, 6]

[5] [2] [4] [7] [1] [3] [2] [6]

[2, 5] [4, 7] [1, 3] [2, 6]

[2, 4, 5, 7] [1, 2, 3, 6]

~~[5, 2, 4, 7, 1, 3, 2, 6]~~ [1, 2, 2, 3, 4, 5, 6, 7]