

MERGE SORT



Merge Sort

- Explanation of Merge Sort
- Visualization of Merge Sort
- Implementation of Merge Sort

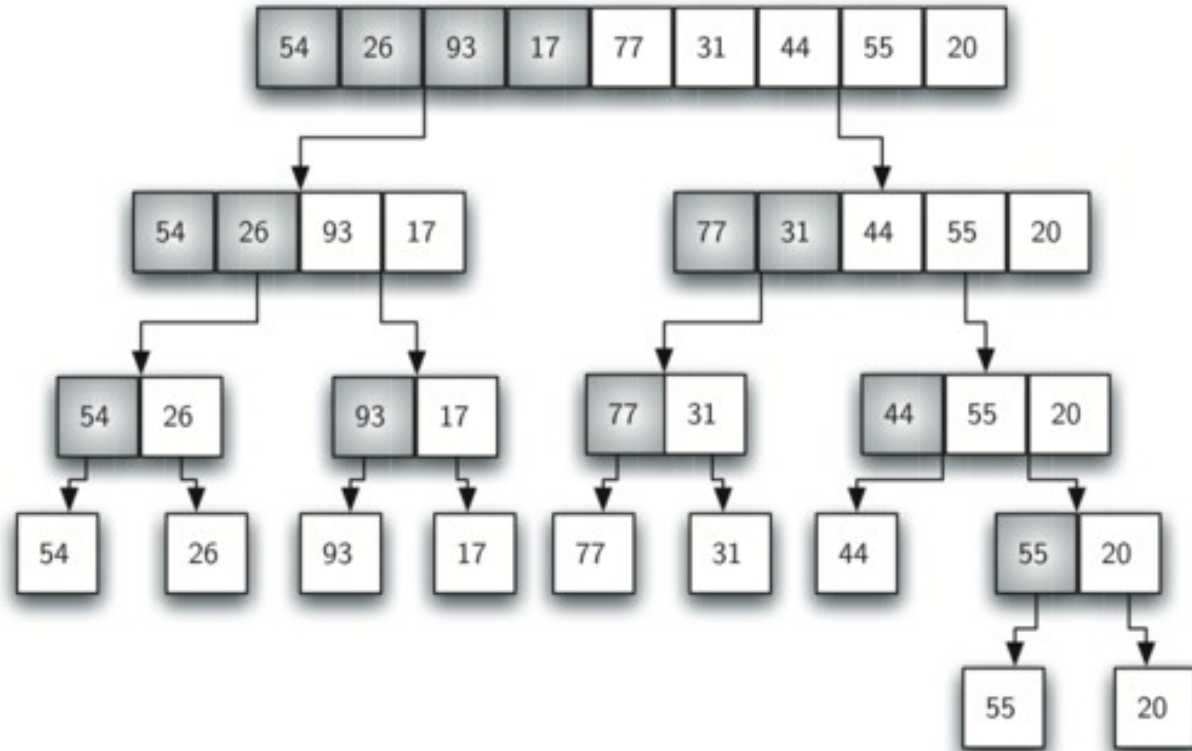
Merge Sort

- Merge sort is a recursive algorithm that continually splits a list in half.
- If the list is empty or has one item, it is sorted by definition (the base case).
- If the list has more than one item, we split the list and recursively invoke a merge sort on both halves.

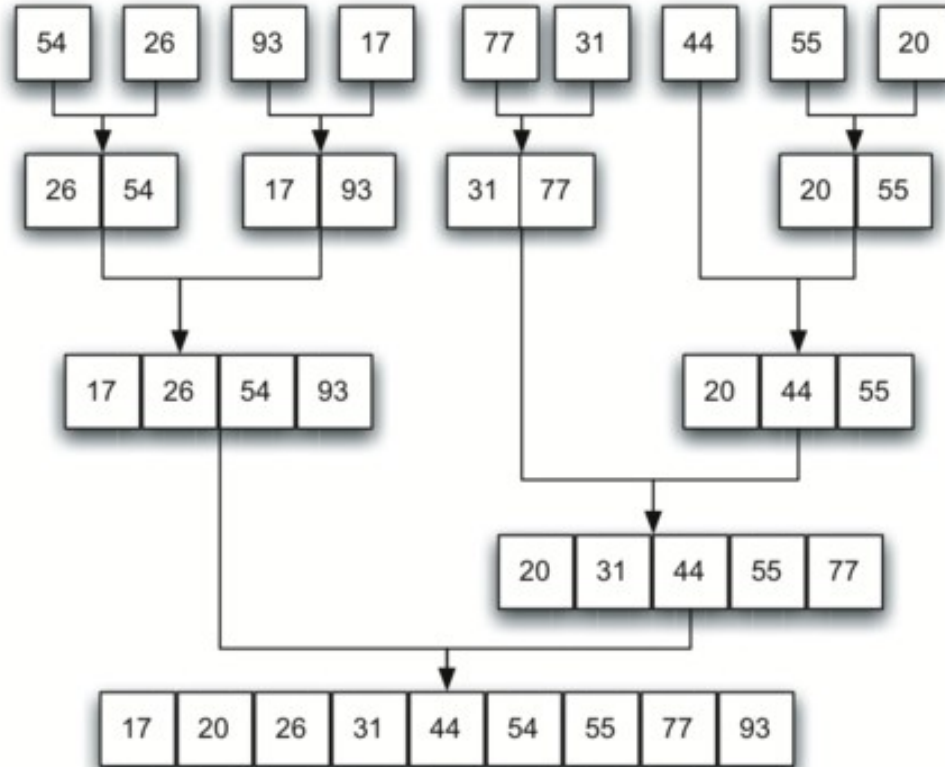
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- Once the two halves are sorted, the fundamental operation, called a **merge**, is performed.
- Merging is the process of taking two smaller sorted lists and combining them together into a single, sorted, new list.

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Visualizations

- Let's take a look at some visualizations!