Data Structure & Algorithm

Class IX
lab 11

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Merge Sort Algorithm

Merge sort is a sorting technique based on divide and conquer technique.

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Algorithm

Step 1 − if it is only one element in the list it is already sorted, return.
Step 2 − divide the list recursively into two halves until it can no more be divided.
Step 3 − merge the smaller lists into new list in sorted order.

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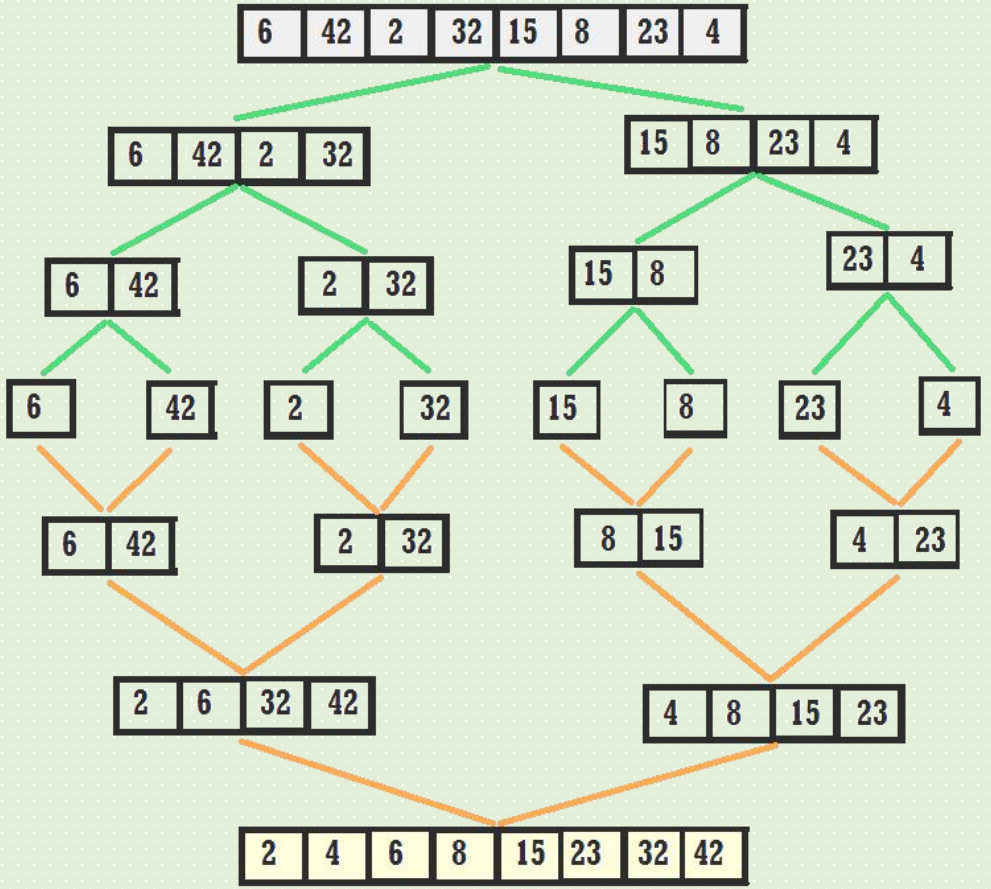
Example 1



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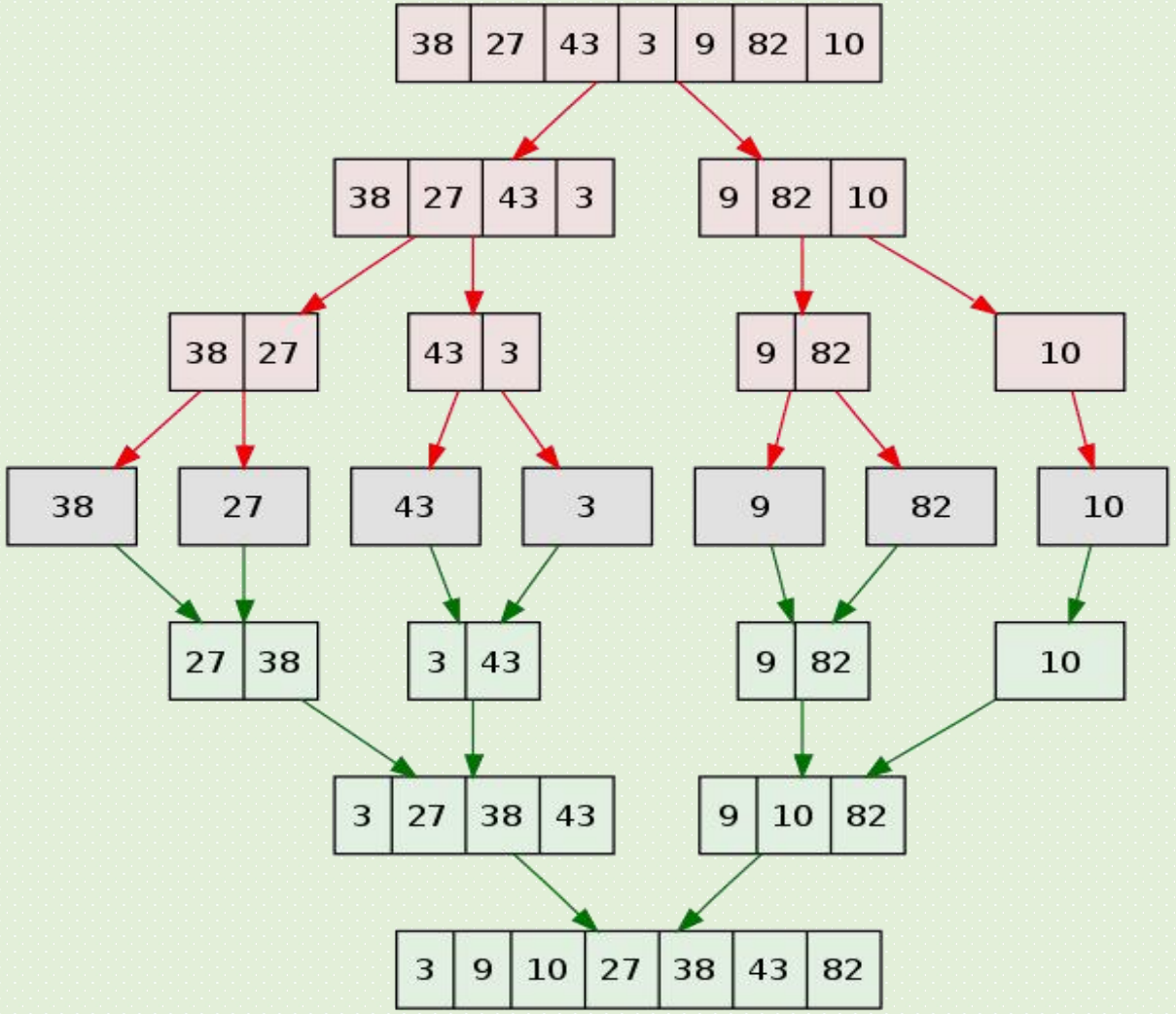
Example 2



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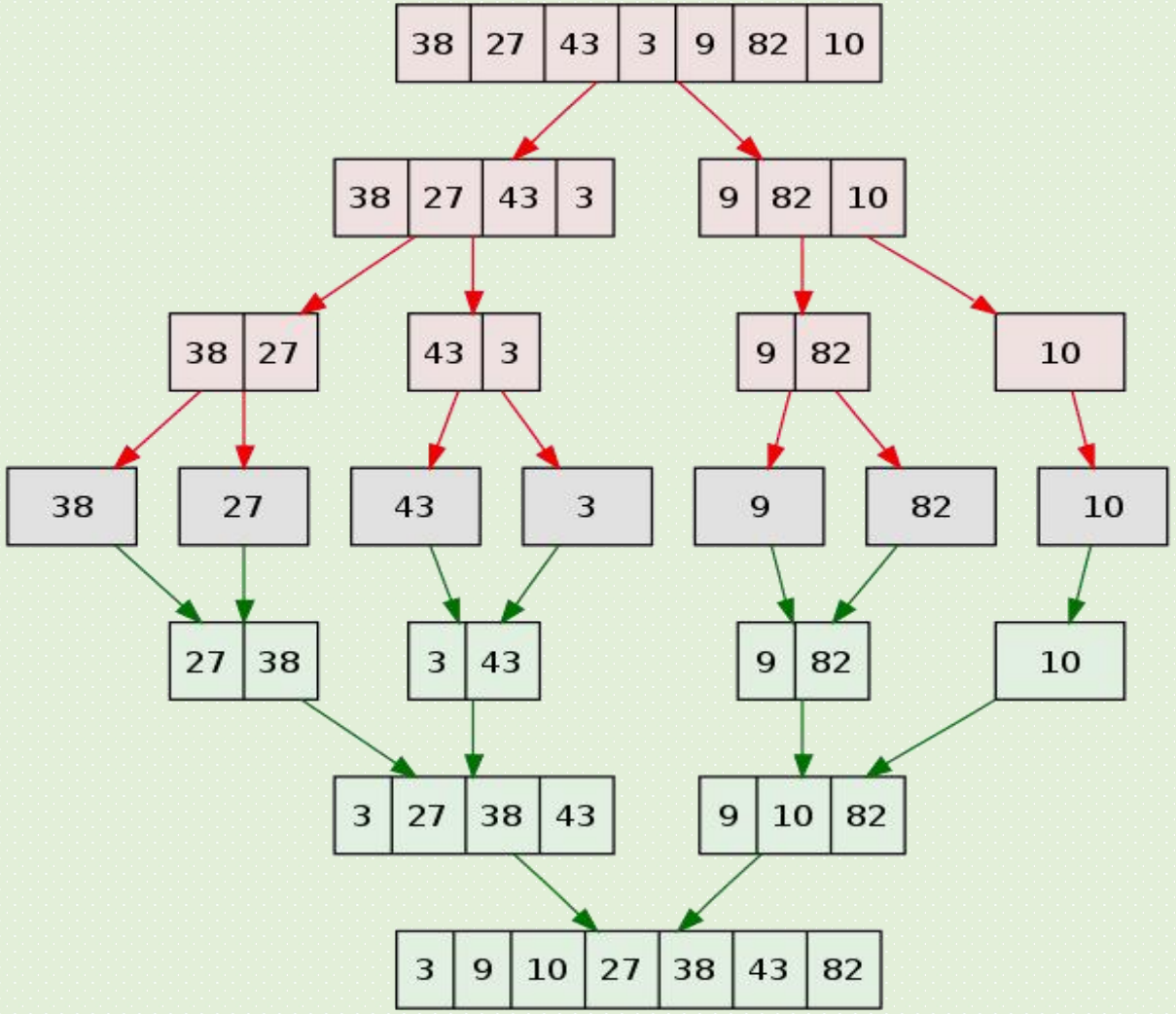
Example 2



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