Problem 3: ReArrangeDigits
Time efficiency: O(n*log(n))

Space efficiency: O(n)

Explanation: This problem I used mergeSort algorithm instead of quickSort or HeapSort. I used mergeSort, because a quickSort solution would have a time complexity of $O(n^2)$.

This made mergeSort an easy option for me. I'm using an array to store reArrange with an understanding my space complexity will grow linearly.