

Merge Sort

Time Complexity best =  $O(n \log n)$   
Avg/Worst

↳ Divides the elements till single element

↳ merging one by one with its neighbour

mergeSort →

merge()

mergeSort(A, lb, ub) {  
if (lb < ub) {

mid = (lb + ub) / 2

mergeSort(A, lb, mid);

mergeSort(A, mid+1, ub);

merge(A, lb, mid, ub);  
}

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