

no. of comparisons in merging multiple sorted arrays

41 41 41

Formula for merging two sorted arrays -> number of comparison = $(m+n-1)$

82 elements (81 swap in first 2 list) 41 elements

123 elements (122 swap) $122+81=203$

Calculator Comparisons in algo

<https://sadanandpai.github.io/sorting-visualizer/dist/>

merge sort

<https://ide.codingblocks.com/s/580097>

quick sort

<https://ide.codingblocks.com/s/580101>