Report on Simulation of merge sort and quick sort

Course : CSE204: Data Structures Sessional

Machine Configuration :

Processor : Intel(R) Core(TM) i7-7700K CPU @ 4.20GHz 4.20 GHz

Ram : 8.00 GB (789 GB usable)

System Type : 64 bit Operating System, x64 based processor

Operation System : Windows 10 Pro

Complexity :

Merge Sort :

Best Case : O(nlg(n))

Average Case : O(nlg(n))

Worst Case : O(nlg(n))

Quick Sort :

Best Case : O(nlg(n))

Average Case : O(nlg(n))

Worst Case : O(n­2)

Regards

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