

Fajar Nur Hidayat

L200170003

A

**No.4(A)**

**MergeSort**

L=[80,7,24,16,43,91,35,2,19,72]

80	7	24	16	43	91	35	2	19	72
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Proses 1

7	80	26	24	43	91	2	35	19	72
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Proses 2

7	16	24	80	2	35	43	91	19	72
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Proses 3

2	7	16	24	35	43	80	91	19	72
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Proses 4

2	7	16	19	24	35	43	72	80	91
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**No.4(B)**

**QuickSort**

L=[80,7,24,16,43,91,35,2,19,72]

80	7	24	16	43	91	35	2	19	72
----	---	----	----	----	----	----	---	----	----

pivot

80	7	24	16	43	91	35	2	19	72
----	---	----	----	----	----	----	---	----	----

Low

High

pivot

72	7	24	16	43	91	35	2	19	80
----	---	----	----	----	----	----	---	----	----

Low

High

pivot

72	7	24	16	43	91	35	2	19	80
----	---	----	----	----	----	----	---	----	----

Low

High

pivot

72	7	24	16	43	80	35	2	19	91
----	---	----	----	----	----	----	---	----	----

Low

High

pivot

72	7	24	16	43	19	35	2	80	91
----	---	----	----	----	----	----	---	----	----

Low

High

pivot									
72	7	24	16	43	19	35	2	80	91
Low						High			

							pivot		
2	7	24	16	43	19	35	72	80	91
Low						High			

pivot									
2	7	24	16	43	19	35	72	80	91
Low						High			

		pivot							
2	7	24	16	43	19	35	72	80	91
Low						High			

			pivot						
2	7	24	16	43	19	35	72	80	91
Low						High			

				pivot					
2	7	24	16	43	19	35	72	80	91
Low					High				

					pivot				
2	7	19	16	43	24	35	72	80	91
Low					High				

						pivot			
2	7	19	16	43	24	35	72	80	91
Low					High				

							pivot		
2	7	19	16	24	43	35	72	80	91
Low					High				

			pivot						
2	7	19	16	24	43	35	72	80	91
Low			High						

						pivot			
2	7	16	19	24	35	43	72	80	91
Low						High			

2	7	16	19	24	35	43	72	80	91
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