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 Modul : 6

No.2



Gambar 6.1: Memisahkan list menjadi dua bagian, yaitu bagian atas, kesong. Setelah itu digabung seperti ditunjukkan di Gambar 6.2.



Gambar 6.2: Menggabungkan list satu demi satu.

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
----	---	----	----	----	----	----	---	----	----

Proses 1

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

Proses 2

7	16	24	80					72	
				2	35	43	91	19	

Proses 3

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

Proses 4

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

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	43	35	72	80	91
Low			High						

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

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