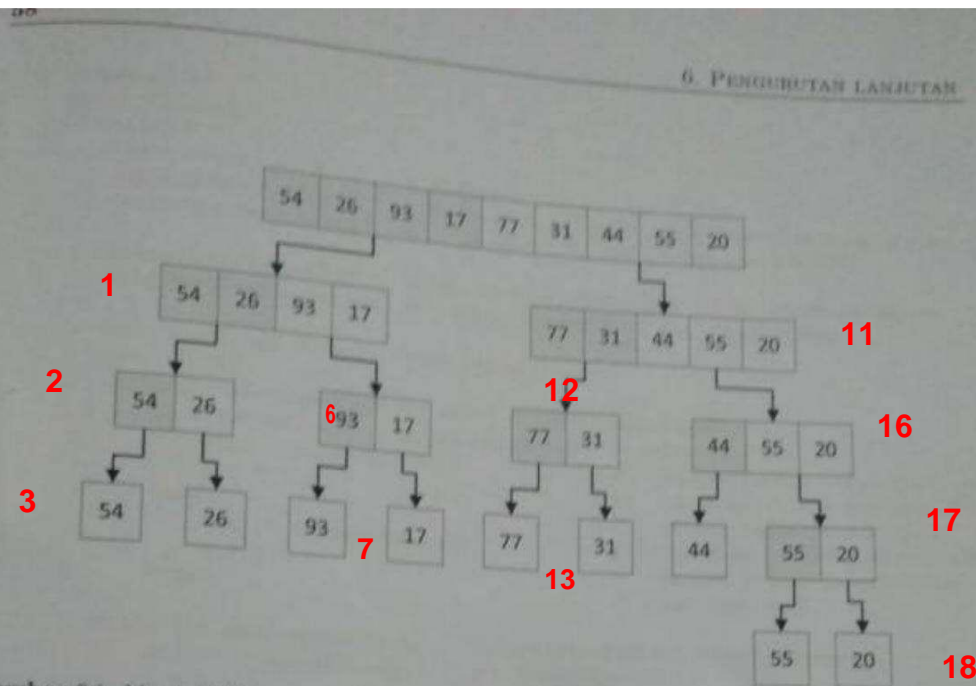
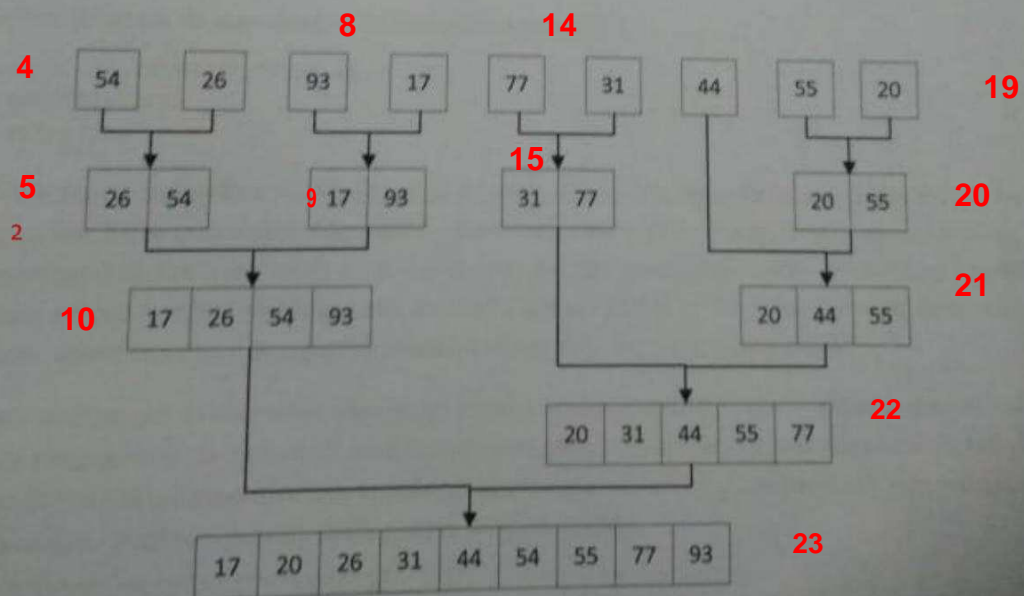


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Modul ke : 6

## No.2



Gambar 6.1: Membelah list sampai tiap sub-list berisi satu elemen atau kosong. Sesudah 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	2	35	43	91	19	72
---	----	----	----	---	----	----	----	----	----

##### Proses 3

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

##### 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
					Low	High			

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