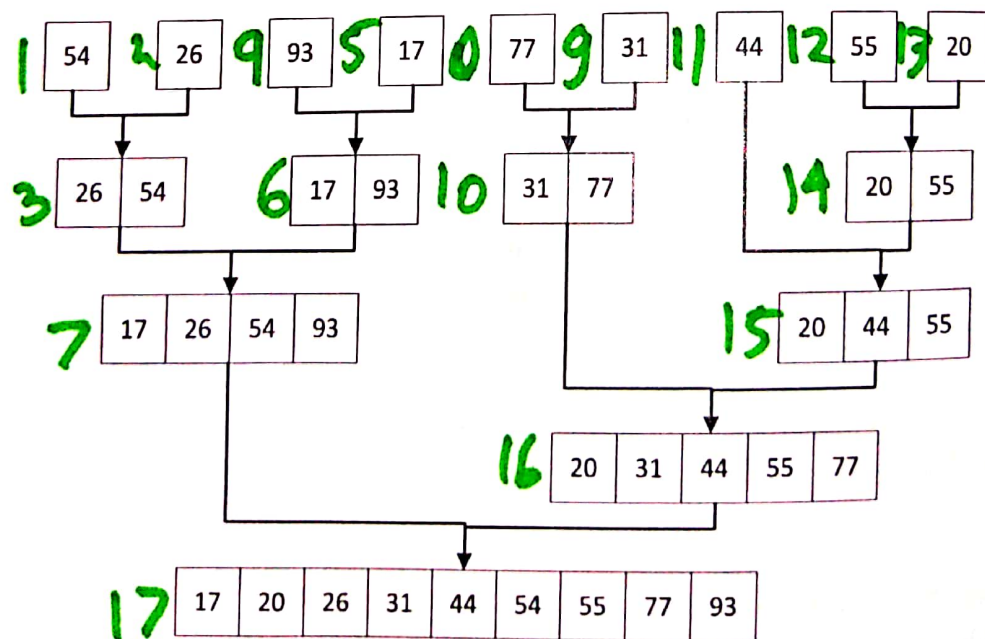


Gambar 6.1: Membelah list sampai tiap sub-list berisi satu elemen atau kosong. Sesudah itu digabung seperti ditunjukkan di Gambar 6.2.



Gambar 6.2: Menggabungkan list satu demi satu.

4. a) mergeSort

List 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
---	----

24	16
----	----

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

b.) quicksort

List 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