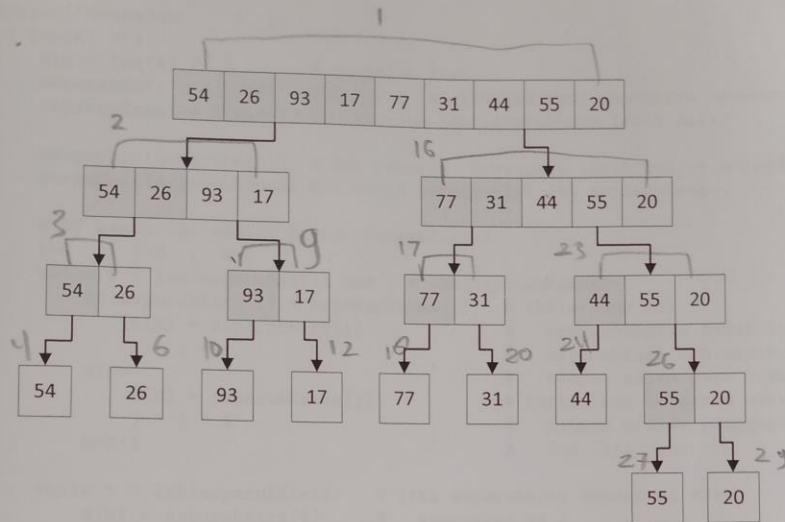


Nama : Alfarez Syahputra Kuri

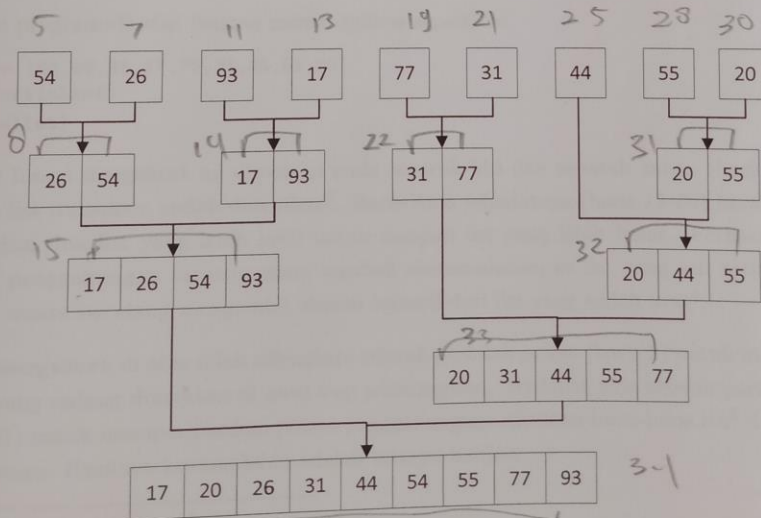
Kelas : A

NIM : L2001600067

2. Nomor Eksekusi Proses Pengurutan



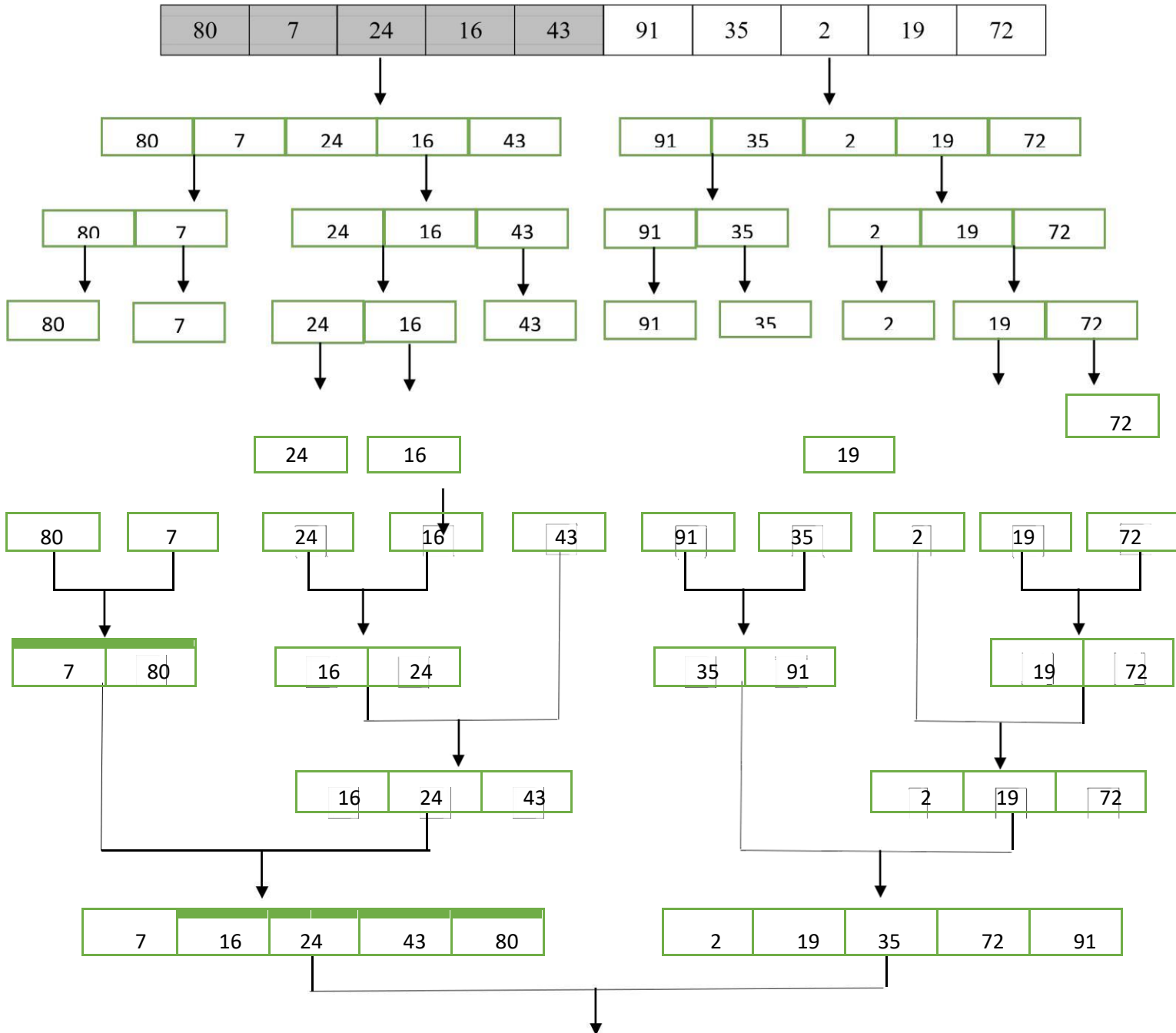
Gambar 6.1: Membelah list sampai tiap sub-list berisi satu elemen atau kosong. Sesudah itu digabung seperti ditunjukkan di Gambar 6.2.



Gambar 6.2: Menggabungkan list satu demi satu.

4. Diberikan list $L = [80, 7, 24, 16, 43, 91, 35, 2, 19, 72]$, gambarlah trace pengurutan¹⁰ untuk algoritma :

a. Merge Sort



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

b. Quick Sort

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
Low high
pivot

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

Low high pivot
Low high pivot

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

Low high pivot
Low high pivot

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

Low high pivot
Low high pivot

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

Low high pivot
Low high pivot

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

Low high pivot
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
---	---	----	----	----	----	----	----	----	----

pivot

2	7	16	19	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
---	---	----	----	----	----	----	----	----	----