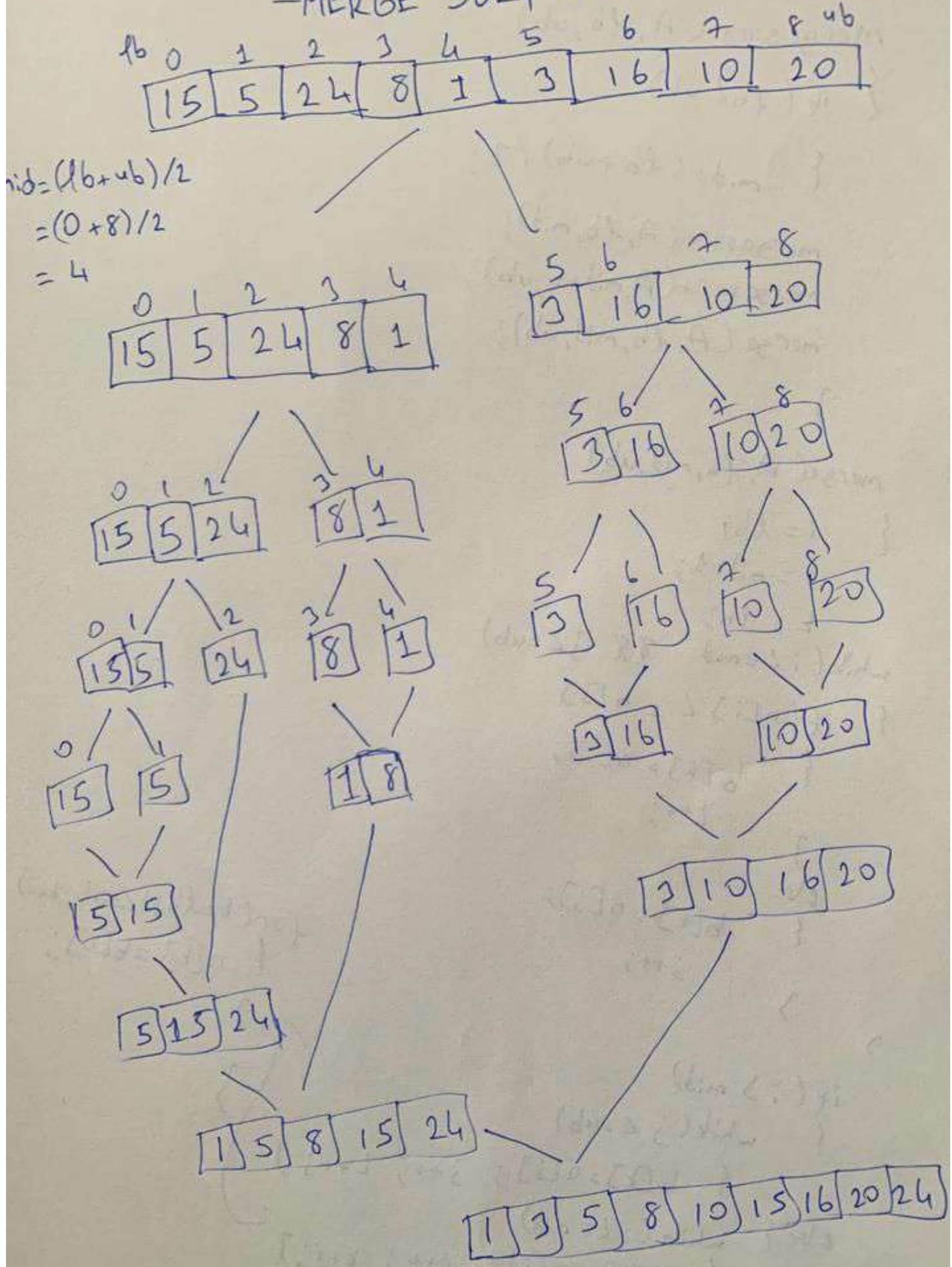
-MERGE SORT-


lb 0 1 2 3 4 5 6 7 8 ub
15 5 24 8 1 3 16 10 20
mid=(lb+ub)/2
=(0+8)/2
=4
0 1 2 3 4
15 5 24 8 1
5 6 7 8
3 16 10 20
0 1 2
15 5 24
3 4
8 1
5 6
3 16
7 8
10 20
0 1
15 5
2
24
3
8
4
1
5
3
6
16
7
10
8
20
0
15
1
5
1
8
5
3
6
16
10
20
5 15
3 16
10 20
5 15 24
3 10 16 20
1 5 8 15 24
1 3 5 8 10 15 16 20 24