## [16,21,11,8,12,22]

## Merge Sort

[16,21,11] [8,12,22]

[16, 21] [11] [8,12] [22]

[16] [21] [11] [8] [12] [22]

[16, 21] [11] [8, 12] [22]

[11, 16, 21] [8, 12, 22]

[8, 11, 12, 16, 21, 22]

Big-O: nlog(n)