|  |  |  |  |
| --- | --- | --- | --- |
| Algorithm | Time complexity | Complexity | Merging complexity with number of comparisons |
| Two-way merge sort |  | O (n log2(n)) | T (n log 2) |
| Three-way merge sort |  | O (n log3(n)) | T (n log 3) |
| Augmented three-way merge sort |  | O (6n+nlog18(n)) |  |