|  |  |  |  |
| --- | --- | --- | --- |
| Name | Worst Case | Average Case | Best Case |
| Linear Search | O(n) | O(n) | O(1) |
| Binary Search | O(log-n) | O(log-n) | O(1) Middle Value |
|  |  |  |  |
| Bubble Sort | Ο(n^2) | Ο(n^2) | O(n) Already sorted |
| Merge Sort | O(n log-n) | O(n log-n) | O(n log-n) |
| Quick Sort | Ο(n^2) | O(n log-n) | O(n log-n) |
| Heap Sort | O(n log-n) | O(n log-n) | O(n log-n) |
|  |  |  |  |
| Binary Search Tree | O(n) | O(log-n) | O(1) |