Algorithms	Best case complexity	Average case complexity	Worst case complexity
Linear search	O(1)	O(n)	O(n)
Binary search	O(1)	O(log N)	O(log n)
Insertion sort	O(n)	O(n^2)	O(n^2)
Selection sort	O(n^2)	O(n^2)	O(n^2)
Bubble sort	O(n)	O(n^2)	O(n^2)
Merge sort	O(n log n)	O(n log n)	O(n log n)
Quick sort	O(n*log n)	O(n*log(n))	O(n^2)

(NOTE: O represents the order of the function.)