Time complexities-1 - It will hell you to learn and memorize the complexity of important topics which

Design and analysis of algorithm (Lovely Professional University)

Name of algo	Worst complexity O(n)	Best complexity θ(n)	Average complexity Ω(n)
Sequential Search complexity	n	n	n
Brute force string matching	m*n	n	m*n
Rabin karp algorithm	m(n-m+1)	m+n	m+n
Naiva String-Matching Algorithm	m*n	n-m+1	n-m+1
Knuth-Morris-Pratt Algorithm	m+n	m	m+n
Merge sort	n*logn	n*logn	n*logn
Quick Sort	n^2	n*logn	n*logn
Insertion Sort	n^2	n	n^2
Selection Sort	n^2	n^2	n^2
Bubble Sort	n^2	n	n^2
Heap Sort	n*logn	n*logn	n*logn
Counting Sort	n+k	n+k	n+k
Radix Sort	n*k	n*k	n*k
Bucket sort	n+k	n+k	n^2
Binary Search	logn	1	logn
Depth-First Search	|V|^2	|V|+|E|	|V|+|E|
Breadth-First Search	|V|^2	|V|+|E|	|V|+|E|
Topological Sort	|V|^2	|V|+|E|	|V|+|E|
Strassen's Matrix Multiplication	n^log2(7)	n^log2(7)	n^log2(7)