

	Search	Sorting	Tree	Graph	Other
Brute force	Sequential search, Sequential string match	Selection sort, Bubble sort		Traveling salesman problem	Knapsack problem, Assignment problem
Divide and conquer	Binary search	Mergesort, Quicksort	Binary tree traversal		Matrix multiplication, Large integer multiplication
Decrease and conquer		Insertion sort		Depth first search, Breadth first search	
Transform and conquer	Presorting	Heapsort	AVL trees, 2-3 trees		Gaussian elimination
Space and time tradeoff	Hashing, B-tree, Horspool's algorithm				
Dynamic programming			Optimal binary search trees	Warshall's algorithm, Shortest paths problem	Knapsack problem, Memory functions
Greedy techniques				Minimum spanning tree	Huffman trees