

Important Algorithms

Every Programmer Should Know



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SWIPE <<<

Searching Algorithms

- Linear search
- Binary search
- Depth-first search (DFS)
- Breadth-first search (BFS)
- Hash table search
- Trie search
- Jump Search
- Interpolation Search

Sorting Algorithms

- Bubble Sort
- Insertion Sort
- Selection Sort
- Merge Sort
- Quick Sort
- Heap Sort
- Radix Sort
- Counting Sort

Graphs Algorithms

- Dijkstra's Algorithm
- Minimum spanning tree (MST)
- Topological sort
- Strongly connected components (SCCs)
- Maximum flow
- Kruskal's Algo.
- Bellman Ford Algo.
- Floyd Warshall Algo.
- Flood Fill Algo
- Lee Algo

Arrays Algorithms

- Kadane's Algo.
- Floyd's Cycle Detection Algo.
- KMP Algo.
- Quick Select
- Boyer - More
- Majority Vote Algo.
- Dynamic programming Algo.
- String Algorithms
- Insertion and Deletion Algorithms

Basics Algorithms

- Huffman Coding Compression Algo.
- Euclid's Algo.
- Union Find Algo.
- LZW compression
- Hash Algorithms

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