Advanced Data Structures

Advanced Tree Structures

1. Red-Black Trees

2. AVL Trees

3. B-Trees

4. Trie

5. Segment Trees

Graph Structures

1. Adjacency Matrix

2. Adjacency List

3. Edge List

4. Weighted Graphs

5. Directed Graphs

Advanced Hash Structures

1. Perfect Hashing

2. Cuckoo Hashing

3. Bloom Filters

4. Skip Lists

5. Distributed Hash Tables