

- I. STANDARD TEMPLATE LIBRARY
 - Containers
 - ◊ Sequence containers: string, vector, stack, queue, deque, list
 - ◊ Associative containers: set, multiset, map, multimap
 - Iterators
 - Algorithms
 - ◊ Non-modifying sequence operations
 - ◊ Modifying sequence operations
 - ◊ Sorting
- II. BINARY TREES
 - Trees, Binary Trees, and Binary Search Trees
 - Implementing Binary Trees
 - Insertion and Deletion
- III. BALANCING A TREE — AVL TREES
- IV. HEAPS
 - Heaps as Priority Queues
 - Organizing Arrays as Heaps
- V. B-TREES
- VI. HASHING
 - Hash Functions
 - Collision Resolution
 - Deletion
- VII. GRAPHS
 - Graph Representation
 - Graph Traversals
 - Shortest Paths
 - Spanning Trees
 - Topological Ordering
 - Cycle Detection