Binary Search Tree (搜索树，一般只用DFS)

DFS

Validate Binary Search Tree `dfs: valid_range`
Lowest Common Ancestor of a Binary Search Tree `dfs: binary search`
Trim a Binary Search Tree `dfs`
Convert BST to Greater Tree **`dfs: global_right_sum`**
Largest BST Subtree in Binary Tree `dfs: isBST, maxSz, minVal, maxVal`
Split BST `dfs: 左(左/右) or (左/右)/右`

DFS + 查增删改

Search in a Binary Search Tree `dfs: binary search`
Insert into a Binary Search Tree `dfs, not balanced`
Delete Node in a BST `dfs: no child, one child, !two child!`

DFS + Flatten

Convert Binary Search Tree to Sorted Doubly Linked List `dfs: head, tail`

DFS + Traversal

Binary Search Tree Iterator (hasNext, next)
Inorder Successor in BST

DFS + Construtction

Recover Binary Search Tree
Convert Sorted Array to Binary Search Tree `dfs`
Convert Sorted List to Binary Search Tree `dfs`
Verify Preorder Sequence in Binary Search Tree `O(nlog(n))` **`O(n)?`**

DFS + (De)Serialization

Serialize and Deserialize BST (as compact as possible)

iterator/ closest / smallest / mode

Kth Smallest Element in a BST `iterator + break`
Find Mode in Binary Search Tree `iterator + counter`
Two Sum IV - Input is a BST `iterator + set`
Closest Binary Search Tree Value I (1 node) `binary search`
Closest Binary Search Tree Value II (k node) `heapq.nsmallest: O(nlogk)` **`O(n) two stacks?`**