

Top-20 Training Program (Binary Tree Problems)

Apply the solution building strategies discussed in class to solve following problems.

Group1: Basic problems

<https://leetcode.com/problems/symmetric-tree/description/>
<https://leetcode.com/problems/same-tree/description/>
<https://leetcode.com/problems/binary-tree-tilt/description/>
<https://leetcode.com/problems/sum-of-left-leaves/description/>
<https://leetcode.com/problems/second-minimum-node-in-a-binary-tree/description/>
<https://leetcode.com/problems/count-complete-tree-nodes/description/>
<https://leetcode.com/problems/invert-binary-tree/description/>
<https://leetcode.com/problems/construct-string-from-binary-tree/description/>
<https://leetcode.com/problems/flatten-binary-tree-to-linked-list/description/>
<https://leetcode.com/problems/lowest-common-ancestor-of-a-binary-tree/description/>
<https://leetcode.com/problems/populating-next-right-pointers-in-each-node/description/>
<https://leetcode.com/problems/populating-next-right-pointers-in-each-node-ii/description/>
<https://leetcode.com/problems/print-binary-tree/description/>
<https://leetcode.com/problems/merge-two-binary-trees/description/>
<https://leetcode.com/problems/maximum-binary-tree/description/>
<https://leetcode.com/problems/construct-binary-tree-from-inorder-and-postorder-traversal/description/>

Group2: Level order problems

<https://leetcode.com/problems/find-bottom-left-tree-value/description/>
<https://leetcode.com/problems/find-largest-value-in-each-tree-row/description/>
<https://leetcode.com/problems/binary-tree-level-order-traversal/description/>
<https://leetcode.com/problems/binary-tree-level-order-traversal-ii/description/>
<https://leetcode.com/problems/binary-tree-zigzag-level-order-traversal/description/>
<https://leetcode.com/problems/average-of-levels-in-binary-tree/description/>
<https://leetcode.com/problems/maximum-width-of-binary-tree/description/>
<https://leetcode.com/problems/binary-tree-right-side-view/description/>
<https://leetcode.com/problems/add-one-row-to-tree/solution/>

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Group3: Path sum problems

<https://leetcode.com/problems/path-sum/description/>

<https://leetcode.com/problems/path-sum-ii/description/>

<https://leetcode.com/problems/path-sum-iii/description/>

<https://leetcode.com/problems/longest-univalue-path/description/>

<https://leetcode.com/problems/binary-tree-maximum-path-sum/description/>

<https://leetcode.com/problems/sum-root-to-leaf-numbers/description/>

Group4: Subtree problems

<https://leetcode.com/problems/subtree-of-another-tree/description/>

<https://leetcode.com/problems/most-frequent-subtree-sum/description/>

<https://leetcode.com/problems/find-duplicate-subtrees/description/>