

## Top-20 Training Program (Divide & Prune Thinking)

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

### Group1: Search in Sorted Array

Insert Position: <https://leetcode.com/problems/search-insert-position/description/>

Range Search: <https://leetcode.com/problems/search-for-a-range/description/>

### Group2: Smart Search

Guess Number: <https://leetcode.com/problems/guess-number-higher-or-lower/description/>

First Bad Version: <https://leetcode.com/problems/first-bad-version/description/>

Peak Element: <https://leetcode.com/problems/find-peak-element/description/>

Median of Two Sorted Arrays: <https://leetcode.com/problems/median-of-two-sorted-arrays/description/>

### Group3: Rotated Sorted Array Problems

Min in Rotated Sorted Array-I: <https://leetcode.com/problems/find-minimum-in-rotated-sorted-array/description/>

Min in Rotated Sorted Array-II: <https://leetcode.com/problems/find-minimum-in-rotated-sorted-array-ii/description/>

Search in Rotated Sorted Array-I: <https://leetcode.com/problems/search-in-rotated-sorted-array/description/>

Search in Rotated Sorted Array-II: <https://leetcode.com/problems/search-in-rotated-sorted-array-ii/description/>

### Group4: Search a 2D Matrix

Matrix Search-I: <https://leetcode.com/problems/search-a-2d-matrix/description/>

Matrix Search-II: <https://leetcode.com/problems/search-a-2d-matrix-ii/description/>