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8 Patterns, 42 Qs = Master BS

# Binary Search

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## Search In Array

<input checked="" type="checkbox"/> Binary Search	Solution	Easy
<input checked="" type="checkbox"/> Search Insert Position	Solution	Easy
<input checked="" type="checkbox"/> Find Smallest Letter Greater Than Target	Solution	Easy
<input checked="" type="checkbox"/> Count Negative Numbers in a Sorted Matrix	Solution	Easy
<input checked="" type="checkbox"/> Find First and Last Position of Element in Sorted Array	Solution	Medium
<input checked="" type="checkbox"/> Find Right Interval	Solution	Medium
<input type="checkbox"/> Time Based Key-Value Store	Solution	Medium
<input type="checkbox"/> Snapshot Array	Solution	Medium

## Rotated Array

<input checked="" type="checkbox"/> Search in Rotated Sorted Array	Solution	Medium
<input checked="" type="checkbox"/> Find Minimum in Rotated Sorted Array	Solution	Medium
<input checked="" type="checkbox"/> Find Minimum in Rotated Sorted Array II	Solution	Hard







## Standard Search

<input checked="" type="checkbox"/> Guess Number Higher or Lower	 Solution	Easy
<input checked="" type="checkbox"/> First Bad Version	 Solution	Easy
<input checked="" type="checkbox"/> Search a 2D Matrix	 Solution	Medium
<input type="checkbox"/> Search in a Sorted Array of Unknown Size 	 Solution	Medium
<input type="checkbox"/> Find the Index of the Large Integer 	 Solution	Medium

## Math



















<input checked="" type="checkbox"/> Valid Perfect Square	 Solution	Easy
<input checked="" type="checkbox"/> Sqrt(x)	 Solution	Easy
<input checked="" type="checkbox"/> Arranging Coins	 Solution	Easy

## Tricky Invariant

<input checked="" type="checkbox"/> Kth Missing Positive Number	 Solution	Easy
<input type="checkbox"/> H-Index II	 Solution	Medium
<input checked="" type="checkbox"/> Single Element in a Sorted Array	 Solution	Medium
<input checked="" type="checkbox"/> Peak Index in a Mountain Array	 Solution	Medium
<input type="checkbox"/> Find K Closest Elements	 Solution	Medium
<input checked="" type="checkbox"/> Median of Two Sorted Arrays	 Solution	Hard

## As A Tool

<input type="checkbox"/> Two Sum Less Than K 	 Solution	Easy
<input checked="" type="checkbox"/> Valid Triangle Number	 Solution	Medium

<input type="radio"/>	Successful Pairs of Spells and Potions	 Solution	Medium
<input type="radio"/>	Number of Subsequences That Satisfy the Given Sum Condition	 Solution	Medium
<input type="radio"/>	Random Pick with Weight	 Solution	Medium
<input checked="" type="radio"/>	Longest Increasing Subsequence	 Solution	Medium
<input checked="" type="radio"/>	Russian Doll Envelopes	 Solution	Hard
	On Solution Space		
<input checked="" type="radio"/>	Koko Eating Bananas	 Solution	Medium
<input checked="" type="radio"/>	Capacity To Ship Packages Within D Days	 Solution	Medium
<input type="radio"/>	Find the Smallest Divisor Given a Threshold	 Solution	Medium
<input type="radio"/>	Minimum Speed to Arrive on Time	 Solution	Medium
<input checked="" type="radio"/>	Split Array Largest Sum	 Solution	Hard
<input type="radio"/>	Divide Chocolate 	 Solution	Hard
<input checked="" type="radio"/>	Path With Minimum Effort	 Solution	Medium
<input type="radio"/>	Maximum Value at a Given Index in a Bounded Array	 Solution	Medium
	With Dynamic Programming		
<input type="radio"/>	Maximum Profit in Job Scheduling	 Solution	Hard
<input type="radio"/>	Super Egg Drop	 Solution	Hard

