basic algorithms linear data structure :

LeetCode OJ - Basic Algorithms `100 problems` `80 hrs`

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LeetCode - Binary Search

#	Problem Title	#	Problem Title
01	count negative numbers in a sorted matrix	02	the k weakest rows in a matrix
03	fixed point	04	check if a number is majority element in a sorted array
05	closest binary search tree value	06	guess number higher or lower
07	arranging coins	08	valid perfect square
09	first bad version	10	find smallest common element in all rows
11	egg drop with 2 eggs and n floors	12	maximum nesting depth of two valid parentheses strings

#	Problem Title	#	Problem Title
13	[find positive integer solution for a given equation](#)	14	[search in a sorted array of unknown size](#)
15	[compare strings by frequency of the smallest character](#)	16	[capacity to ship packages within d days](#)
17	[single element in a sorted array](#)	18	[maximum font to fit a sentence in a screen](#)
19	[missing element in sorted array](#)	20	[4sum ii](#)
21	[time based key value store](#)	22	[find the index of the large integer](#)

LeetCode - Sorting I

#	Problem Title	#	Problem Title
01	[shuffle string](#)	02	[sorting the sentence](#)
03	[increasing decreasing string](#)	04	[high five](#)
05	[minimum subsequence in non increasing order](#)	06	[sort array by parity ii](#)
07	[can make arithmetic progression from sequence](#)	08	[sort integers by the number of 1 bits](#)
09	[maximum units on a truck](#)	10	[matrix cells in distance order](#)
11	[relative sort array](#)	12	[average salary excluding the minimum and maximum salary](#)
13	[sort array by increasing frequency](#)	14	[intersection of two arrays](#)
15	[two sum less than k](#)	16	[largest perimeter triangle](#)

LeetCode - Sorting II

#	Problem Title	#	Problem Title

01	widest vertical area between two points containing no points	02	sort the matrix diagonally
03	minimize maximum pair sum in array	04	all elements in two binary search trees
05	arithmetic subarrays	06	maximum number of coins you can get
07	pancake sorting	08	design a leaderboard
09	sort features by popularity	10	wiggle sort
11	maximum ice cream bars	12	rearrange words in a sentence
13	range sum of sorted subarray sums	14	largest submatrix with rearrangements
15	the k strongest values in an array	16	campus bikes

LeetCode - Greedy I

#	Problem Title	#	Problem Title
01	split a string in balanced strings	02	number of rectangles that can form the largest square
03	minimum operations to make the array increasing	04	minimum cost to move chips to the same position
05	delete columns to make sorted	06	how many apples can you put into the basket
07	calculate money in leetcode bank	08	largest subarray length k
09	last stone weight	10	water bottles
11	minimum changes to make alternating binary string	12	can place flowers
13	maximize sum of array after k negations	14	lemonade change
15	assign cookies	16	latest time by replacing hidden digits

#	Problem Title	#	Problem Title
17	check if binary string has at most one segment of ones	18	walking robot simulation
19	minimum number of people to teach	20	maximum length of subarray with positive product
21	buildings with an ocean view	22	can i win

LeetCode - Greedy II

#	Problem Title	#	Problem Title
01	minimize product sum of two arrays	02	partitioning into minimum number of deci binary numbers
03	minimum number of operations to move all balls to each box	04	group the people given the group size they belong to
05	find permutation	06	restore the array from adjacent pairs
07	find valid matrix given row and column sums	08	minimum add to make parentheses valid
09	score after flipping matrix	10	minimum number of operations to reinitialize a permutation
11	queue reconstruction by height	12	count pairs of equal substrings with minimum difference
13	reduce array size to the half	14	check if a string can break another string
15	minimum cost to connect sticks	16	put boxes into the warehouse i
17	smallest string with a given numeric value	18	minimum numbers of function calls to make target array

19	minimum elements to add to form a given sum	20	remove duplicate letters
21	dota2 senate	22	string without aaa or bbb

LeetCode - Greedy III

#	Problem Title	#	Problem Title
01	two city scheduling	02	best time to buy and sell stock with transaction fee
03	shortest way to form string	04	divide array in sets of k consecutive numbers
05	determine if two strings are close	06	smallest subsequence of distinct characters
07	form array by concatenating subarrays of another array	08	4 keys keyboard
09	maximum absolute sum of any subarray	10	divide two integers
11	koko eating bananas	12	shortest distance to target color