A BETTER VERSION ->>	https://neetcode.jo/		
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Video Solution	Category	Name	Link Notes
https://youtu.be/KLIXCFG5TnA	Arrays	Two Sum	https://leetcode/ use hash map to instantly check for difference value, map will add index of last occurrence of a num, don't use same element twice;
https://youtu.be/1pkOgXD63yU	Arrays	Best Time to Buy and Sell Stock	https://leetcode/ find local min and search for local max, sliding window;
	Arrays	Contains Duplicate	https://leetcode_hashset to get unique values in array, to check for duplicates easily
https://youtu.be/bNvlQl2wAjk	Arrays	Product of Array Except Self	https://leetcode_make two passes, first in-order, second in-reverse, to compute products
https://youtu.be/5WZI3MMT0Eg	Arrays		https://leetcode/pattern: prev subarray cant be negative, dynamic programming: compute max sum for each prefix
https://youtu.be/IXVy6YWFcRM	Arrays	Maximum Product Subarray	https://leetcode_dp: compute max and max-abs-val for each prefix subarr;
https://youtu.be/nIVW4P8b1VA	Arrays	Find Minimum in Rotated Sorted Arra	https://liestcode_check if half of array is sorted in order to find pivot, arr is guaranteed to be in at most two sorted subarrays
https://youtu.be/U8XENwh8Oy8	Arrays	Search in Rotated Sorted Array	https://leetcode. at most two sorted halfs, mid will be apart of left sorted or right sorted, if target is in range of sorted portion then search it, otherwise search other half
https://youtu.be/jzZsG8n2R9A	Arrays	3Sum	https://leetcode_sort input, for each first element, find next two where -a = b+c, if a=prevA, skip a, if b=prevA skip b to elim duplicates; to find b,c use two pointers, left/right on remaining list;
https://voutu.be/UuiTKBwPgAo	Arrays	Container With Most Water	https://leetcode_shrinking window, left/right initially at endpoints, shift the pointer with min height;
https://youtu.be/gVUrDV4tZfY	Binary	Sum of Two Integers	https://leetcode add bit by bit, be mindful of carry, after adding, if carry is still 1, then add it as well;
https://youtu.be/5Km3utixwZs	Binary	Number of 1 Bits	https://leetcode modulo, and dividing n; mod and div are expensive, to divide use bit shift, instead of mod to get 1's place use bitwise & 1;
	Binary	Counting Bits	https://leetcode_write out result for num=16 to figure out pattern; res[i] = res[i - offset], where offset is the biggest power of 2 <= i;
https://youtu.be/WnPLSRLSANE	Binary	Missing Number	https://leetcode_compute expected sum - real sum; xor n with each index and value;
https://youtu.be/UcoN6UiAl64	Binary	Reverse Bits	Industry Learning Company Comp
https://youtu.be/Y0IT9Fck7ql	Dynamic Programming	Climbing Stairs	
https://youtu.be/H9bfqozjoqs	Dynamic Programming	Coin Change	Integrate Text Code Supervision in the Part of the Par
	Dynamic Programming		Into 37 rections: Op-own: rectisive us, for animonic, practical or each control, cachine us only prevent or each control or ea
mpatt farmant distriction as	7		
	Dynamic Programming	Longest Common Subsequence	https://hetcode_recursive: if first chars are equal find lcs of remaining of each, else max of: lcs of first and remain of 2nd and lcs of 2nd remain of first, cache result; nested forloop to compute the cache without recursion;
https://youtu.be/Sx9NNgInc3A	Dynamic Programming	Word Break Problem	https://betcode/for each prefix, if prefix is in dict and wordbreak(remaining str)=True, then return True, cache result of wordbreak;
	Dynamic Programming	Combination Sum	https://leetcode_visualize the decision tree, base case is cursum = or > target, each candidate can have children of itself or elements to right of it inorder to elim duplicate solutions;
	Dynamic Programming	House Robber	https://leetcode/ for each num, get max of prev subarr, or num + prev subarr not including last element, store results of prev, and prev not including last element
	Dynamic Programming	House Robber II	https://leetcode/subarr = arr without first & last, get max of subarr, then pick which of first/last should be added to it
https://youtu.be/6aEyTjOwlJU	Dynamic Programming	Decode Ways	https://leetcode_can cur char be decoded in one or two ways? Recursion -> cache -> iterative dp solution, a lot of edge cases to determine, 52, 31, 29, 10, 20 only decoded one way, 11, 26 decoded two ways
https://youtu.be/IIEsdxuD4IY	Dynamic Programming	Unique Paths	https://leetcode_work backwards from solution, store paths for each position in grid, to further optimize, we don't store whole grid, only need to store prev row;
https://youtu.be/Yan0cv2cLy8	Dynamic Programming	Jump Game	https://leetcode_visualize the recursive tree, cache solution for O(n) time/mem complexity, Iterative is O(1) mem, just iterate backwards to see if element can reach goal node, if yes, then set it equal to goal node, continue;
https://youtu.be/mQeF6bN8hMk	Graph	Clone Graph	https://leetcode_recursive dfs, hashmap for visited nodes
	Graph	Course Schedule	https://leetcode_build adjacentcy_list with edges, run dfs on each V, if while dfs on V we see V again, then loop exists, otherwise V isnt in a loop, 3 states not visited, visited, still visiting
https://youtu.be/s-VkciHqkGl	Graph	Pacific Atlantic Water Flow	https://leetcode_dfs each cell, keep track of visited, and track which reach pac, atl, dfs on cells adjacent to pac, atl, find overlap of cells that are visited by both pac and atl cells;
https://youtu.be/pV2kpPD66nE	Graph	Number of Islands	https://leetcode/ foreach.cell. if cell is 1 and unwisited run dfs. increment cound and marking each contigous 1 as visited
https://youtu.be/P6RZZMu_maU	Graph	Longest Consecutive Sequence	https://betcode/ use bruteforce and try to optimize, consider the max subseq containing each num; add each num to hashset, for each num if num-1 doesn't exist, count the consecutive nums after num, ie num+1; there is also a union-find solution;
https://youtu.be/6kTZYvNNvps	Granh		Into 5// Jectocal chars of a word not in order, the words are in order, find adjacency, list of each unique char by iterating through adjacent words and finding first chars that are different, run topsort on graph and do loop detection;
https://youtu.be/bXsUuownnoO	C		into 3/1 extended to a so would not into the content in the conten
https://youtu.be/8f1XPm4WOUc	Graph		INIDESTIFECTIONS (INFORMATION OF THE ADMINISTRATION OF THE ADMINIS
	Graph		
https://youtu.be/A8NUOmlwOIM	Interval		https://eetcode. insert new interval in order, then merge intervals; newinterval could only merge with one interval that comes before it, then add remaining intervals;
https://youtu.be/44H3cEC2fFM	Interval	Merge Intervals	https://leet.code sort each interval, overlapping intervals should be adjacent, iterate and build solution; also graph method, less efficient, more complicated
https://youtu.be/nONCGxWoUfM	Interval	Non-overlapping Intervals	httos://leetcode/instead of removing, count how max num of intervals you can include, sort intervals, dp to compute max intervals up until the i-th interval;
https://youtu.be/PaJxqZVPhbg			https://leetcode_sort intervals by start time, if second interval doesn't overlap with first, then third def wont overlap with first;
https://youtu.be/FdzJmTCVyJU	Interval	Meeting Rooms II (Leetcode Premium	https://leetcode_we care about the points in time where we are starting/ending a meeting, we already are given those, just separate start/end and traverse counting num of meetings going at these points in time; for each meeting check if a prev meeting has finished before curr started, using min heap;
https://youtu.be/G0_I-ZF0S38	Linked List	Reverse a Linked List	https://leetcode_iterate through maintaining cur and prev; recursively reverse, return new head of list
https://youtu.be/gBTe7IFR3vc	Linked List	Detect Cycle in a Linked List	https://leetcode_dict to remember visited nodes; two pointers at different speeds, if they meet there is loop
https://youtu.be/XIdigk956u0	Linked List	Merge Two Sorted Lists	https://leetcode_insert each node from one list into the other
https://youtu.be/q5a5OiGbT6Q	Linked List	Merge K Sorted Lists	https://leetcode_divised and conquer, merge lists, N totalnodes, k-lists, O(N*logk). For each list, find min val, insert it into list, use priorityQ to optimize finding min O(N*logk)
https://youtu.be/XVuQxVej6y8	Linked List	Remove Nth Node From End Of List	https://leetcode_use dummy node at head of list, compute len of list; two pointers, second has offset of n from first;
https://youtu.be/S5bfdUTrKLM	Linked List	Reorder List	https://leetcode_reverse second half of list, then easily reorder it; non-optimal way is to store list in array;
https://youtu.be/T41rL0L3Pnw	Matrix	Set Matrix Zeroes	https://leetcode_use sets to keep track of all rows, cols to zero out, after, for each num if it is in a zero row or col then change it to 0; flag first cell in row, and col to mark row/col that needs to be zeroed;
https://voutu.be/BJnMZNwUk1M	Matrix	Spiral Matrix	https://leetcode_keep track of visited cells; keep track of boundaries, layer-by-layer;
https://youtu.be/fMSJSS7eO1w	Matrix	Rotate Image	https://leetcode_rotate layer-by-layer, use that it's a square as advantage, rotate positions in reverse order, store a in temp, a = b, b = c, c = d, d = temp;
https://youtu.be/pfiQ_PS1g8E	Matrix	Word Search	https://leetcode.dfs on each cell, for each search remember visited cells, and remove cur visited cell right before you return from dfs;
https://youtu.be/wiGpQwVHdE0	String	Longest Substring Without Repeating	https://leetcode/sliding/window, if we see same char twice within curr window, shift start position;
	String		This collection was a support of the collection
	String		INITIAL PROPERTY AT A TEXT TOWN. INITIAL OF THE TOWN TOWN TOWN TOWN TOWN TOWN TOWN TOWN
	String	Valid Anagram	INITIAL PRECIOUS; NEW STATE OF THE STATE OF
https://youtu.be/yotinbqncgA	String	Group Anagrams	INITED 2/TREADURE (INSTITUTE OF CORT
		Valid Parentheses	
	String	valid i dicitaleses	https://leetcode/ push opening brace on stack, pop if matching close brace, at end if stack empty, return true; https://leetcode/ push opening brace on stack, pop if matching close brace, at end if stack empty, return true; https://leetcode/ in the push of the push
	String	Valid Palindrome	
	String		https://eetcode. foreach char in str, consider it were the middle, consider if pall was odd or even;
https://youtu.be/4RACzI5-du8	String	Palindromic Substrings	https://leetcode_same as longest palindromic string, each char in str as middle and expand outwards, do same for pali of even len; maybe read up on manachers alg
https://youtu.be/B1k_sxOSgv8	String		https://leetcode/store length of str before each string and delimiter like '#';
https://youtu.be/hTM3phVI6YQ	Tree		https://leetcode/ recursive dfs to find max-depth of subtrees; iterative bfs to count number of levels in tree
https://youtu.be/vRbbcKXCxOw	Tree	Same Tree	https://leetcode/ recursive dfs on both trees at the same time; iterative bfs compare each level of both trees
https://youtu.be/OnSn2XEQ4MY	Tree	Invert/Flip Binary Tree	https://leetcode_recursive dfs to invert subtrees; bfs to invert levels, use collections.deque; iterative dfs is easy with stack if doing pre-order traversal
https://youtu.be/Hr5cWUld4vU	Tree	Binary Tree Maximum Path Sum	https://leetcode_helper returns maxpathsum without splitting branches, inside helper we also update maxSum by computing maxpathsum WITH a split;
https://youtu.be/6ZnyEApgFYg	Tree		https://leetcode_iterative bfs, add prev level which doesn't have any nulls to the result;
https://youtu.be/u4JAi2JJhl8	Tree	Serialize and Deserialize Binary Tree	https://leetcode. bfs every single non-null node is added to string, and it's children are added too, even if they're null, deserialize by adding each non-null node to queue, deque node, it's children are next two nodes in string;
https://youtu.be/E36O5SWp-LE	Tree		https://leetcode/ traverse s to check if any subtree in s equals t; merkle hashing?
https://youtu.be/ihj4lQGZ2zc	Tree		https://etcode/ first element in pre-order is root, elements left of root in in-order are left subtree, right of root are right subtree;
https://youtu.be/s6ATEkipzow	Tree	Validate Binary Search Tree	INIDESTIFICATION IN SECURITY I
https://youtu.be/5LUXSvimGCw	Tree	Kth Smallest Flement in a PST	INDEX_PREMISES (M.K. S USE USE USE M STEPLEM S
https://youtu.be/ss2LMfuOR9k	Tree	Lowest Common Ancestor of BST	
			https://lectode/ compare p. q. values to curr node, base case: one is in left, other in right subtree, then curr is lca;
	Tree	Implement Trie (Prefix Tree) Add and Search Word	https://betcode/ node has children characters, and bool if its an ending character, node DOESNT have or need char, since root node doesn't have a char, only children;
https://youtu.be/BTf05gs_8iU			https://leetcode_iri char = "." run search for remaining portion of word on all of curr nodes children;
https://youtu.be/asbcE9mZz_U	Tree	Word Search II	https://leet.code trick: I though use trie to store the grid, reverse thinking, instead store dictionary words, dfs on each cell, check if cell's char exists as child of root node in trie, if it does, update currNode, and check neighbors, a word could exist multiple times in grid, so don't add duplicates;
https://youtu.be/q5a5OiGbT6Q	Heap	Merge K Sorted Lists	https://leetcode/ we always want the min of the current frontier, we can store frontier in heap of size k for efficient pop/push; divide and conquer merging lists;
https://youtu.be/YPTqKlgVk-k	Неар	Top K Frequent Elements	https://heetcode_minheap that's kept at size k, if its bigger than k pop the min, by the end it should be left with k largest;
https://youtu.be/YPTqKlgVk-k https://youtu.be/itmhHWaHupl	Heap Heap	Top K Frequent Elements	