

LC Problem Sheet:

Concepts	Links	Pre-Reqs/sub-problems	Doubt Partha
String	here	<ul style="list-style-type: none"> • String Hashing • Robin Karp • Prefix suffix • KMP, Anagram. • Z-func(Skip as of now) • Palindrom • Parenthesis • Subsequence • Substring 	
Binary Search	imp	<ul style="list-style-type: none"> • As tool: <ul style="list-style-type: none"> ◦ 1099,300,2407 • DP: • Math: <ul style="list-style-type: none"> ◦ 441,668.69, 367. • Solution space: <ul style="list-style-type: none"> ◦ 875, 1011, 1870. • Standard: <ul style="list-style-type: none"> ◦ 1533, 	
Two Pointers	vv-imp	<ul style="list-style-type: none"> • Arrays , • Sorting(Merge and quick sort write exact code), • Greedy(advanced) 	
Two Pointers - Fast-Slow	v-imp	<ul style="list-style-type: none"> • LinkedList, • HashTable, • Stack, • Recursion. 	
Sliding Window	imp	<ul style="list-style-type: none"> • Deque max min avg sum • String • Sub-array 	
Heap - Top K Pattern	vv-imp		

Heap - Merge Pattern	vv-imp		
Heap - Two Heap Pattern	vv-imp		
Heap - Min Pattern	vv-imp		
Tree	imp	<ul style="list-style-type: none"> • Balanced, complete tree. • BST. • Forest. • LCA, Path_sums. • N_ary. • Segment Tree. 	
Fenwick Tree	here		
Graph	imp		
Bridges & Articulation Point Graph	here		
DSU	here		
Recursion/Backtracking	here		
Dynamic Programing			
Classical DP	vv-imp		
Knapsack DP	vv-imp		
Decision Making DP	vv-imp		
Distinct Ways DP	vv-imp		
Max Min DP	vv-imp		
Grid DP	vv-imp		
Math realted DP	here		
Dp on Strings	vv-imp		
Graph/ Tree DP	here		
Bit Manipulation Dp	here		
Interval DP	here		

Merging Interval DP	here		
Multi Dimesion DP	here		
Digit DP	here		