

# MOST Common



LeetCode

# DSA Patterns

Solve Maximum problems!

Swipe >>

- **If input array is sorted then :**  
Binary Search, Two Pointers.
- **If asked for all permutations/subsets then :**  
Backtracking.
- **If given a Tree/Graph then :**  
DFS & BFS.
- **If given a linked list then :**  
Two Pointers.

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- **If recursion is banned then :**  
Stack, Queue.
- **If must solve in-place then :**
  - Swap corresponding values
  - Store one or more different values in the same pointer.
- **If asked for maximum/minimum subarray/subset/options then :**  
Dynamic programming

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**Swipe >>**



- **If asked for top/least K items :**  
Heap.
- **If asked for common strings then :**  
Map, Trie.
- **Others :**
  - Map/Set for  $O(1)$  time &  $O(n)$  space.
  - Sort input for  $O(n \log n)$  time and  $O(1)$  space.

**Swipe >>**



# Thanks

We missed something?

Connect with Achintya Gaumat for  
more such insights! 