188 mobiles togal on

Phose-2

s Bit manipulation.

- Sum of Rum of Pairs |
Sum of Max suborray MOR | Eusy.

· Subset with sum k - E print all valid parathers - EN

· Magic square 7M

High portioning

High Novof ways of placing blocks such that

Here is extleget R dist block block

new edgy is the dist greater element an m · Giren N-tasks a(i) = time taken to complete in task in 12-workers 12

M. 2 sorted amogs of A. B.

median of (A+B) Storms

-> Given 2 Shings AIB

8 M check if Bis substring of A (Rather Karp, KMP, Rolling Hosh)

-> longest Palindownie Rubstring -> M
→ Ø checking grime → 6
voted glerenating all primes >E
Among the same of
s Subset sum K - E
- array rotation & search in sotated sorted array
-> first missing the integer - m
-> longest subset with equal o's & i's ->
-> Sum of OR of all subarrays -> M
-) populate array such that every element in the
new array is the first greater element on dight
Os Mon rectorjular area under histogram
Mon Win
- for all subarroys Print medians m
the sound of the special of the
(Robo Haro Kimp Polling Hold)

2 Linked Cut and ration make many > joining . Imped 18t connected at a mode cycle detection in SLL Duplicates + 2 bod Torey and to promo on the smile dellans " 1 > Sum of all nody -> traversals (Inorder, pre; post) - Man Sum given by ong Path No of nodes, at a distance of k? H verical level order -> diagonal level order (12) (21) -> left view, right view, top view, bottom view Ber soil a grow in was of eyour for the a Check BST nim + > Least common ances too of given two nodes the second protonol ... Trig (Siren a list of words and & Everis Shad E all the words that hove 'Q' a presson > mor value of arrij arrij (i:=j)

. 31 01 151. 1 L. a. l.

2'1'3 2'C His Ristom MxM movin C's E'1's
and distinct sows using trie.
Heaps.
- Given on array of size N, find 1
Chiven on array of size N, find)
H sorted orroy
- Mox som given by ong path
DP Pyromic programming
- staircage (more to n'th step with (1,2) steps)
-> tile (1x5) (5x1)
-> no of binery stortings having longth N
-> no. of ways to read 11 using a dice
factorial - (mh cost)
Spor on will for some ways
> Painting houses H
- s (dobs and Machines Howard to tol a marin
marina Scharron sum M
max value of artis ants (1:=3)

...

> Longest Increasing Subsequence M
ment atogs to etimes ment 9; stocks en 3
-> Knapsock
factional Pateger,
-> coins and charge?
) divide any into two subsets A, B such that
min (Sum (A) - sum (B)
Atog bothgrow mumous to
more from src to dest
move only down or right Scal Sum [mat [i:i]: mat [k:1]] Torgest Rubmatrix Sum Jongest commun subsequence in two strings I longest increasing path in a matrix. Unique paths from SxC to dest

Caragets . Es check if there exists a path from 800 to dost (BFS, DFS travel) m -s leight of Shortest path from Src to dest 5 > longest path length in a graph M Number of Relands Minimum weighted path

(Dijles tray) H > knight on a chess board (weighted & M -> Topo-logical sort 6 > Detect cycle in an undirected graph E -> Minimum spanning tree E -) is bipartite graph slesses memor supreduce in two stands logget increase path in a madery. LRU cache mod elleg supris