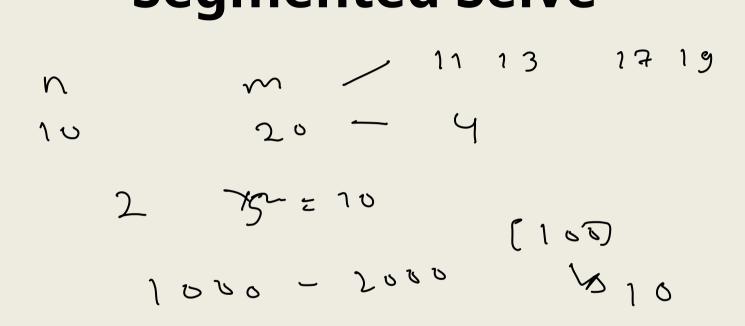
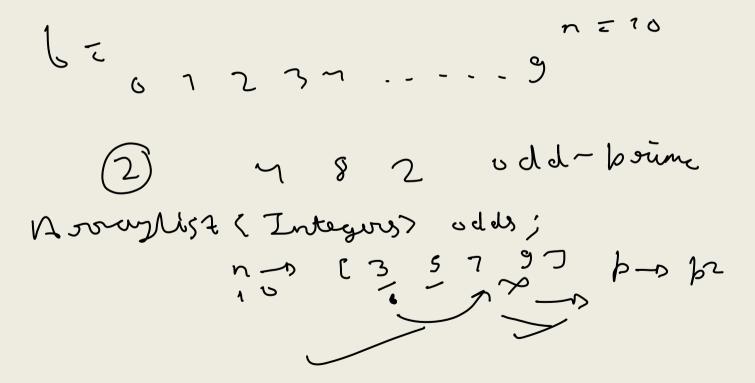
Simple Sieve 6=6 seive - 5,3e bunch or J boulen nos up to to not shoulding n.

Segmented Seive

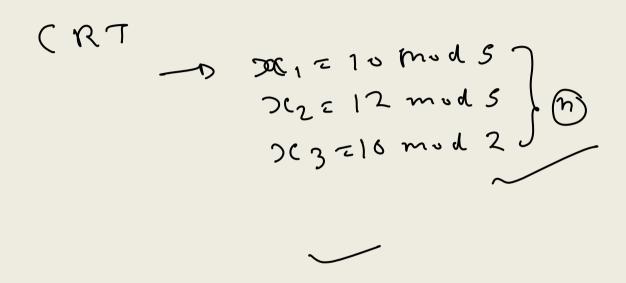


Incremental Sieve

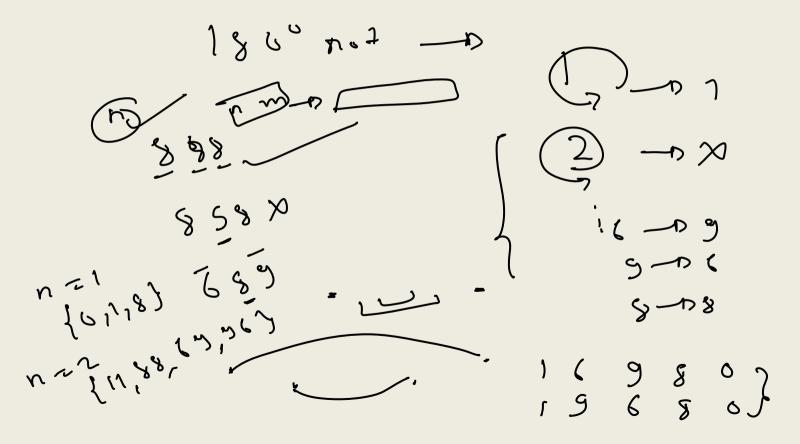


Euler Phi

Chinese Remainder Theorem

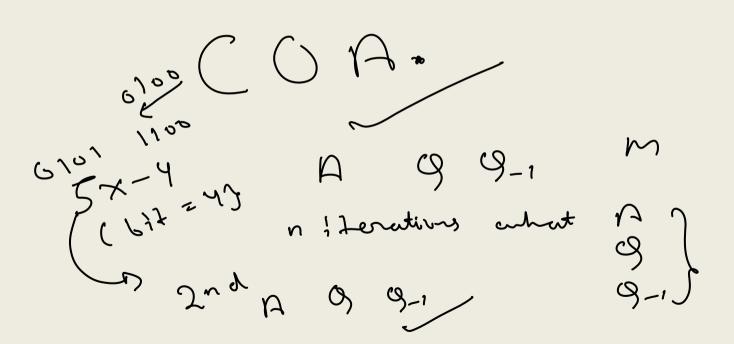


Strobogrammatic Number

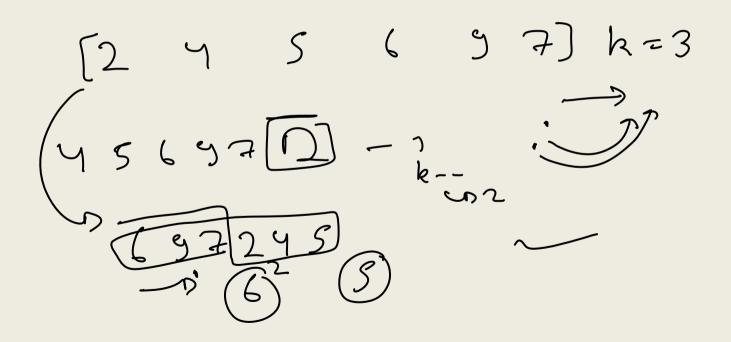


Binary Palindrome

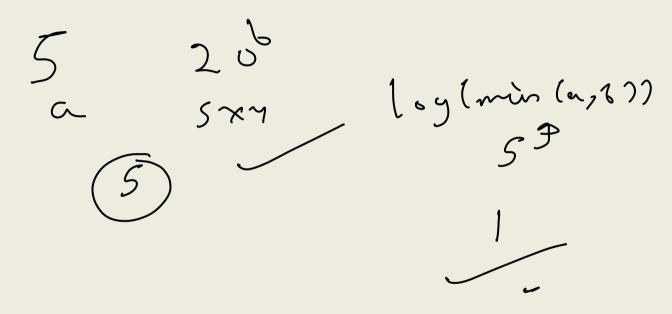
Booth's Algorithm



Block Swap / Rotating Array



Euclid's Algorithm

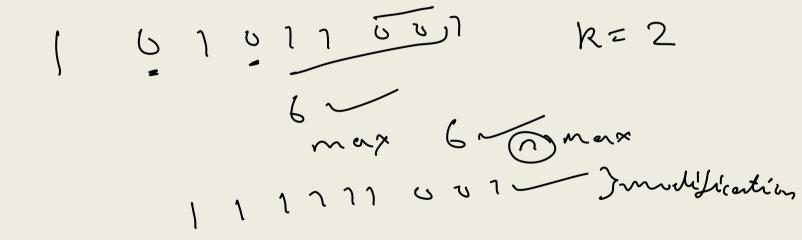


Karatsuba Algorithm

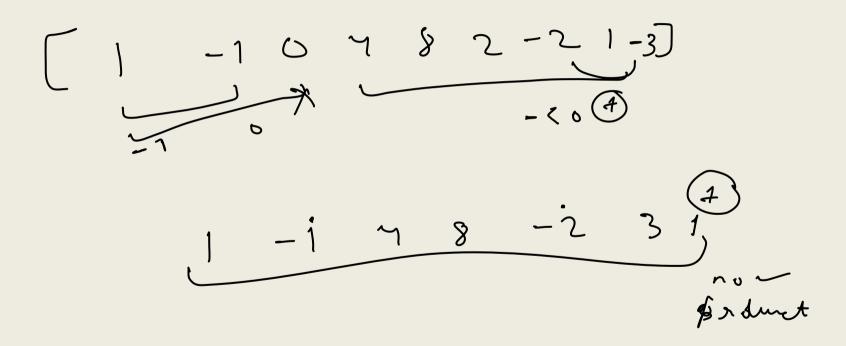
Divide and Conquer

$$T(n) = 3T(n/2) + O(n)$$
 $5 \times 7 = 20$
 $3|3 - 9|2 = ae \times 10^{m}$
 $3|3 - 9|2 = ae \times 10^{m}$
 $3|3 - 9|2 = ae - 0d$
 $3|3 - 9|2 = ae - 0d$
 $3|3 - 9|2 = ae - 0d$
 $3|3 - 9|2 = ae - 0d$

Longest Sequence of 1s After Flip

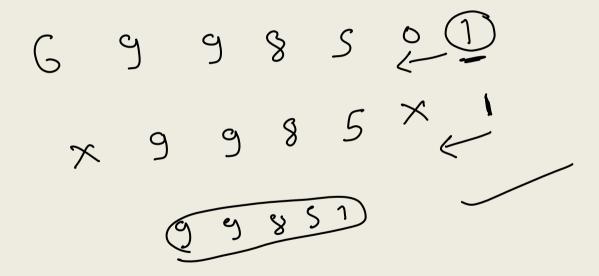


Max Product Subarray

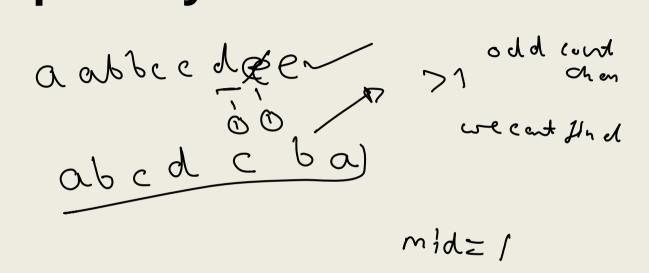


Swap 2 Nibbles

Leaders in Array



Lexicographically First Palindrome

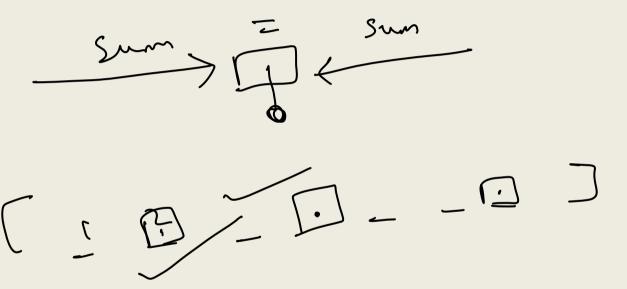


Majority Element

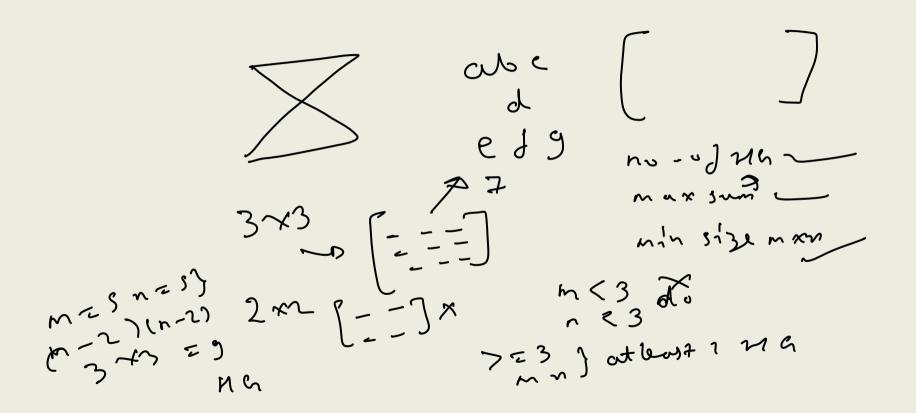
elements gray

Jargth, z mré 1 1 222232 & No mE 1 1 5 5 5 5 5 5 5 5 5 2 hr 2 7.5~5

Max Equilibrium Sum



Max Sum of HourGlass



Selection Sort

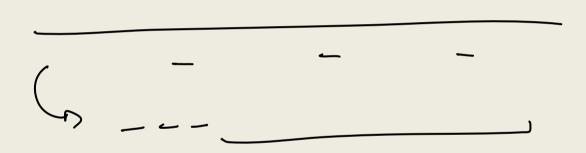
n~ De In Ware Annuys, sont (arr)

Quick Sort

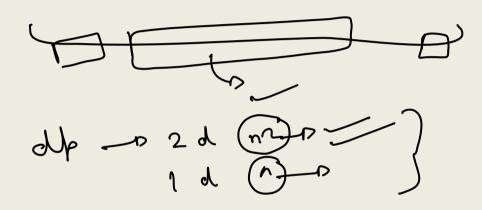
5797077730 D D D 6530777 [910

Weighted Substring

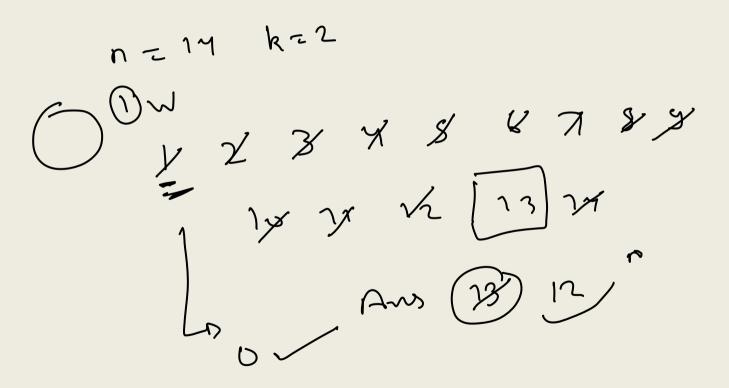
Move Hyphens to Beginning



Manacher's Algorithm / Longest Palindromic Substring



Josephus Problem



Activity Selection

$$S[7={10} 2^{-30}]$$
 $S[7={15} 5^{0} 40]$
 $\{0, 1\}_{0, 0}$

Unique Sorted Permutations

$$n_{pn}$$

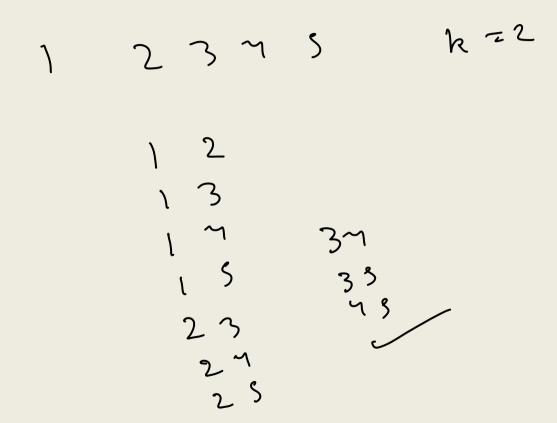
$$DB(= n' \cdot 0)$$

$$Anl = n' \cdot \frac{\delta}{2} = 3$$

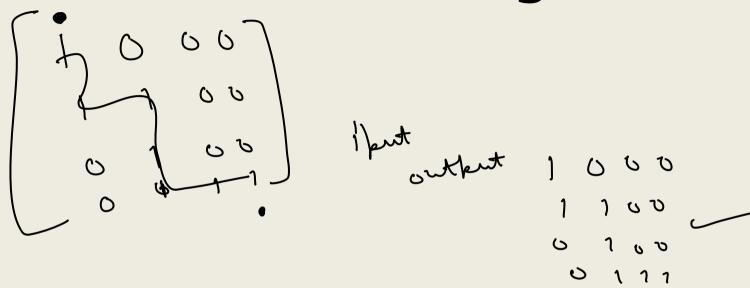
$$DARL P$$

$$LAR$$

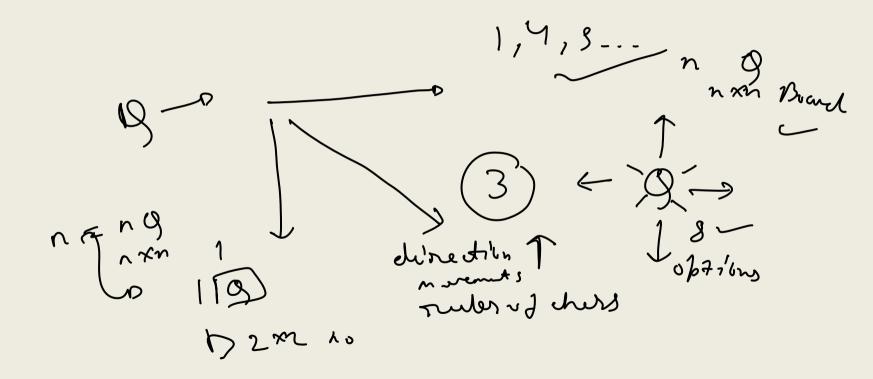
Combinations



Maze Solving



N Queens

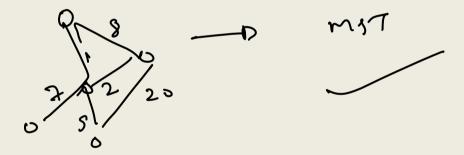


Huffman Coding

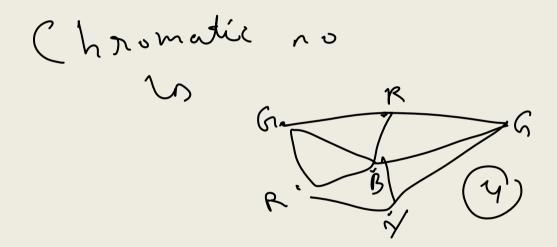
PB Compress message 10 FV m blds

Kruskal's Algorithm

MST



Graph Coloring



Hamiltonian Cycle

Warnsdorff's Rule / The Knight's Tour Problem

