9×9 (-> Existing values 1 to 9 mid/col v (u) Column 1-9 once mid/101 (4) × 3×3 Matrix 1-9 once 10g(mxn) for $(mt i = 1, i \le 9)$ sitt) board [i][j] = ithone Keypad Problem Lecter Combinations of a given strig jemobe 21,2,3} 51,213 > 51) Statis > letter Combination ("23") Jud Jed Judetrake $\frac{1}{2} = \frac{1}{2} = \frac{1}$ Introduction to Greedy Algorithmes Mimpodant & Brobable questions for interviews: * Why greedy? Because find the max as men in some siven date o (We save time). -> Toick -> (Toy woing Heaps) * Minimum number of coins. * Charolate diatribution problem. Minimum Absolute Difference. (31 idine Window Problem)

* Minimum cost of Connectine Ropes

* Activity Selection Problem

* Job J Scheduling Problem

* Policemen & Thieves

* Huffman, Encoding * Policemen & Thieves * Huffman Encoding. * Fractional Encoding. Ee Donuts. Y Nikung * Minimum number of coins to Reach a target value of V coins = £1,2,5,10,20,50,100,200,500 (Sout it) 2000, 2000 ((50,20,20,1) int(V) = 91V - 50 = 91 - 50 $70 = \{50, 20, 20, 11\} = 41 - 26$ $70 = \{50, 20, 20, 11\} = 21 - 26$ 70 = 8ig(); = 1 - 1 print(80) - 16inChoeolate Distribution Problem Minimum Absolute Difference Sliding window Problem 5 N arr = [7,3,2,4,9,12,56] m = (3)Los no of chocoletes (range) - mx Sat = (2)3,(5)7, 9, 12567(mini) Int Man mx mn 23 100 Mot. non (mini, n) 9 - 43 5