Greedy

Intro To Greedy
Car Sale
Maximum Candies
Maximum Job

Intro To Greedy

String matching algorithms:

1) Rabin Karp

2) Z Algo

3) KMP algo.

Into To Greedz:

Greedy algorithms are a class of algorithms that make Locally optimal choices at each often with a hope of frinding optimal choices at each often.

a global optimum colution.

Car Sale

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Three Otarh at t=0 f th takes I will by the forme for the forme on for the forme of the forme o
Problem 1
                                 B [ ? -> 665 3 19 }
                                                                                                                                       ty > 5+9+6 = [20] 1
                               A[] \rightarrow \{1, 2\}
                             B [7-83,1700]
                                                                                                               ナニメー
                                                                                                                              3+100 = 103
The stay to bry everything for the order of late end time.
                                                                                                                          1500
                                                 A[]:213335558} - based om Home.
                                                 00): 852714381)
                                                                                                                     a connot be added as 94 % less as
                                                                                                                         per the farticular Bode fime.
                                                                                                                                                            We can are mon heap as
                                                                                                                                                               if man value we are not able
                                                                                                                                                               a inert we will remove nich
    Prundo Oode
           1) bort the data in ascending order of from.
                                                                                                                                                                       Toke an arroy of pods

Foret based on

Frome using Compassions.

T.C: O(N log N)
           e) Manheap mh
                            for( ant 1=0; 1×N; 1++) {
                                         1 (+ < A E PT) {
mh. 9 m c r + (BCPT);
                                    che ly (BCP) > getMin()) {

mh. (nhout Min()

mh. insert (BCP))

q
           37 Am = lum of all denert in heap
```

Maximum Candies

```
Be There are N Rhodents with their marks.

Seather has to give them candies out that in

Seather has to give them candies out that in

as Every student should have atleast one candy

by Student with more marks than any of the

have more candies than thum.
           find monomum condies to doctobute.
                                                                                                                 2 2 3 4 2 2 (i) > ACA-i)
2 3 4 2 (ii) > CCi-i)
2 (iii) > CCi-i)
3 (i=1; | N ; i++)
4 (ACA) > ACA-i)
4 (i=1; | N ; i++)
5 (ACA) > ACI-17) &
6 (CA) = CCI-17 +1
6 (ACA) > ACI+17 +1
7 (ACA) > ACI+17 +1
6 (CA) = CCI+17 +1
6 (CA) = CCI+17 +1
                                    8.c:0CN
```

Maximum Job

