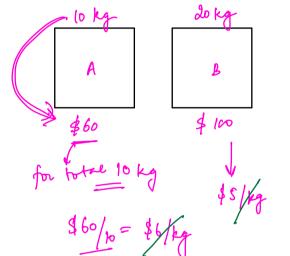
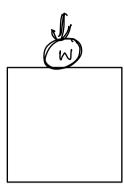


1) Fractional Knopsock

N stems value



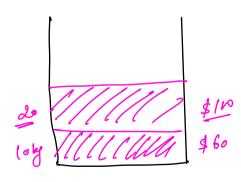


maximise total value



A 10 kg \$60 & 20 kg \$100 C 20 kg \$90 \$240

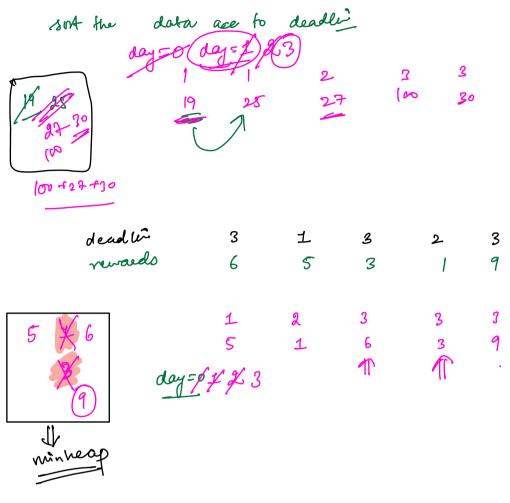
0/1 Knapsack. => either take it completely or leave it

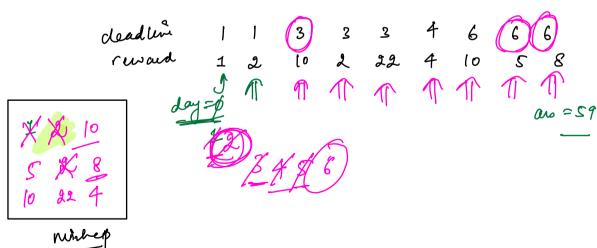


solved by
gready approach

Job scheduling N tarkes/jolos > desdline me taske can A job mi take one complete day. # you can't do a jobo simult. you can do a job either on the deadlein day on before it maximix rewald Deadethi rusaed Tooles (2) 3 (vo 27 100 27 25 2 30 20 Try all possible diff continue

> maximin revaed maintais deadlis





soft the data are to deadline

day = 0

for (i'=0 -in)

for (i'=0 -in)

for (i'=0 -in)

day ++:

insert (reward(1)) in minner

dre of (revard(1)) in minner

extract min()

noert in minter

y

hour in minter

y

hour in minter

Actually selection problem =

Nactualities -> start end I astruly at a time activitées you can perform 1) sort acc to start time & greedy 2) soft ace to devration

stat 8 12 1 3 4 5 13

and 11 14 5 4 5 6 19

1 port our
4 5 5 6 11 14 19

2) Travese value martay
the cond.

#

Distubute candies

N students - marks[i]



student -> left neighb -> highe no of condes wight neigh -> highe no of condes

Atleast me choclater to eng stude