Que. : Ninja's Training

=> Why Greedy approximate finds?

ex. N=2

D941 - 10 | 50 | 1

Day 2 - 5 | 100 | 11

Dy we choose so at Day 2 we choose so we can't choose 100 at Day 2 biz if the Constraint

ans. $-50+11 \Rightarrow 61$ but actual ans = $10+100 \Rightarrow 110$

Now medy approch feits so whenever meedy fails the first thing we have to do is Try all possible wars.

(3) This leds to recwision.

In Recursion, if we want to write recurance we should follow three steps.

Step > 1: Express every problem in team of indep 8tep > 2: Do stuffs on that index

Step > 3: Take max of all that stuffs be 2 acc to que we have to find maximum menit

In the duesistion we have given d'ay (as variable) but we can treat it as indep.

Maxi=0 for(i=0+02)

~ if (i = last-tasle)points = task [i] of f(Jay-1,i) 1 Maxi= max (maxi, poids); & " Hertz tout He so men stor it to the 6 6 retwit maxi, 6 6 => # flow to do sturtly on index on the day 6 W 4 V 6 In order to select when your - 1 23 for hore scar find al ready perform of the scar o 9 task over hore what trings we require -> To select or 6 portion fre task we tiese need to kin w 6 perform on the Ofohim inantenants 6 6 last day & we are going to I direction 9

So we ensur to keep track of the = So acc. to contition along with index (day of choosen as index) were you can add a parequester

in recurance bez when you perform all the

-

Stuffs you need to know you hack takes
gow you some in 1954 day so we
avoid to constrains

so we choose the parameter (asd-task,

when was the condition of 1951-task=3 worise when your stard from (n-1)th day obase idexing so be-we down't know what takes faste we perform on non day buz we son't have day,

f(2,1) -> This for state that give me to

max monit points that you can get

if your perform tesk of to 2nd id x

idx so 23

teste of any perform

test to do 3rd day

=> Check if their (in recursive tree) any overlaping Subproblems presents or not.

=> Now how to choose DP douta structure?

ans: >> Here two parameters are changing

day & last-task

the value of day can be 0,1,2--- N-1 so their or N different value that day can have

the value of 1954-tast can be 0, 1,2,3
so their on M different values that last task
can have.

day (ast +ask (0,1,2,3)

So for exevery de N states treis can be 4 diff possible so we we 20 onay

2D OUTAJ DP - NXY