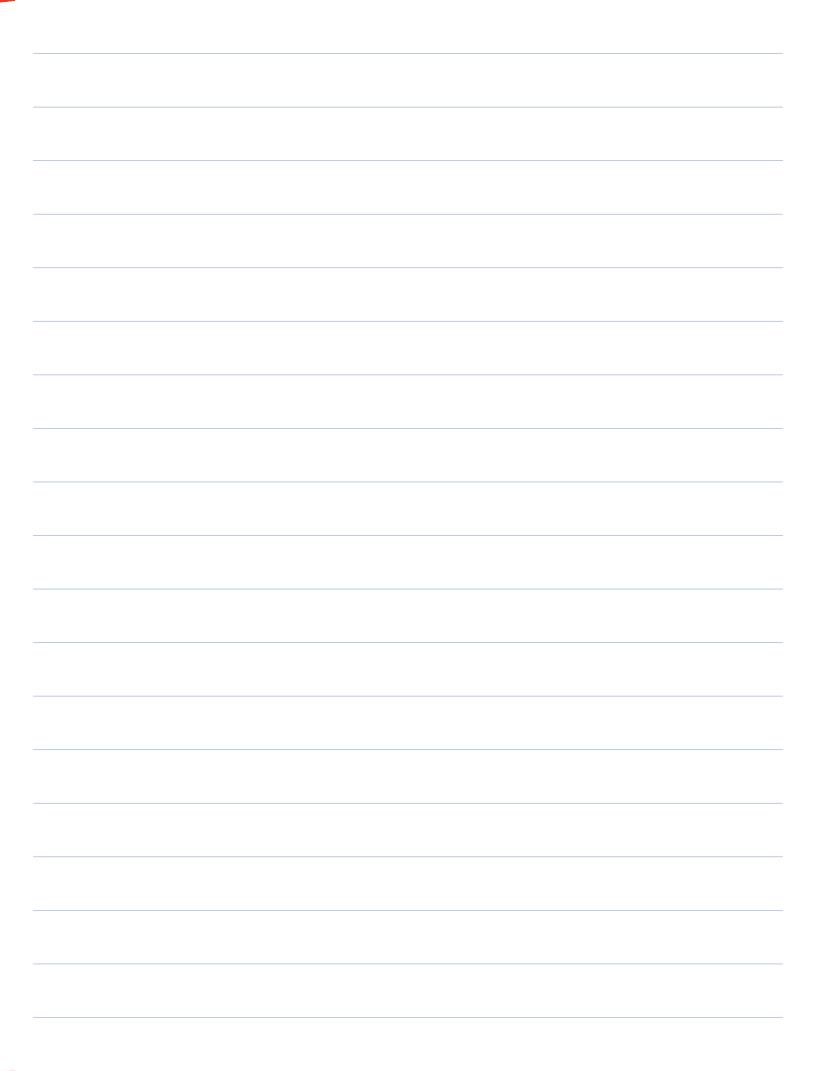
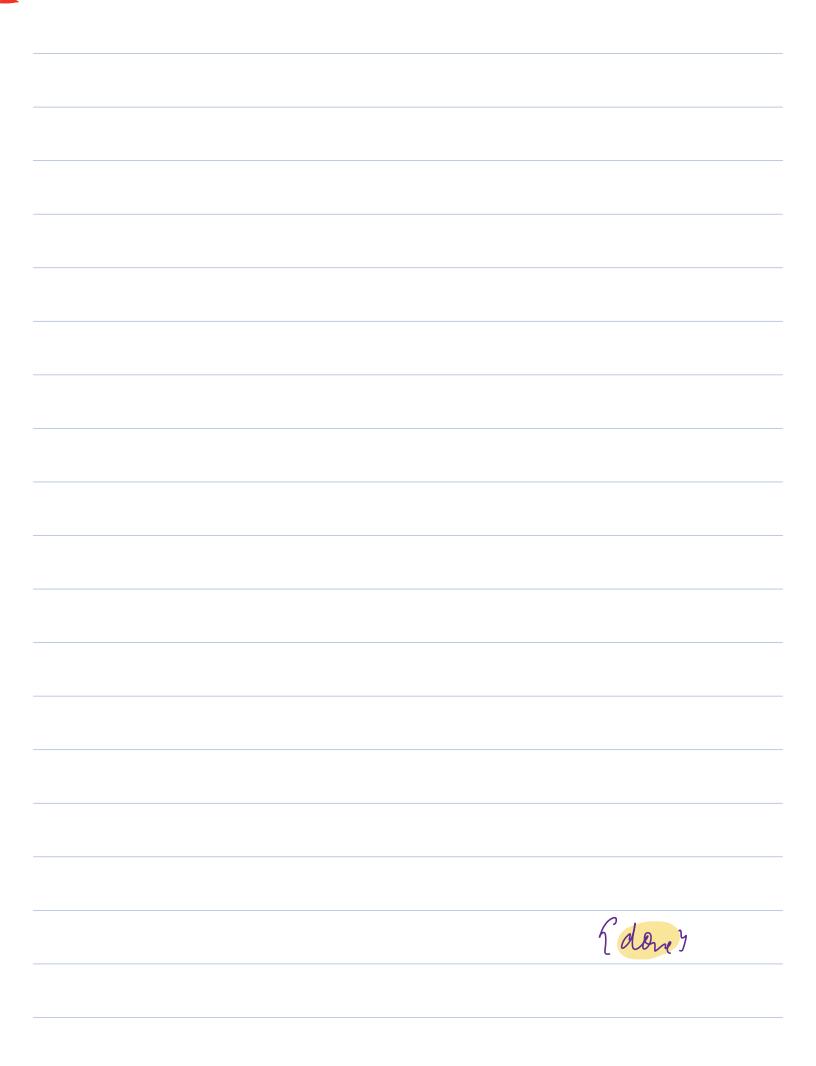
What is	greedy!
phone spay	
	Ombany
22 lpa	30 lpa 31 lpa
	other factore come into play → not greedy





Job Scheduling

N jobs/tasks <

> reward > deadline

the job takes one day

cant do 2 jobs at the same day

<u>Eg</u> -

Task	deadline	reward	
A	3	100	
B	1	19	
C	2_	27	
D	,	25	
E	3	30	

1 2

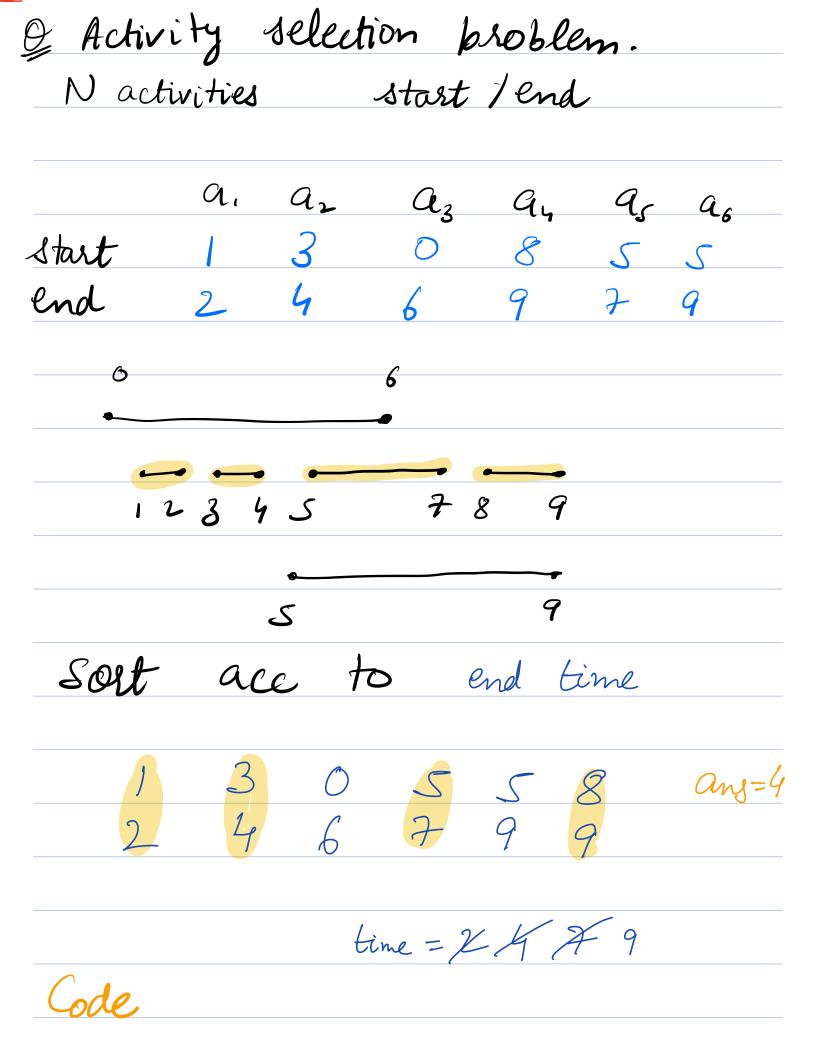
1500

7 1503

Greedy - First nort by deadline deadline Jenord 19 25 27 30 100 day = 4 100 dag 1 2 3 27 50 task 100 dead Sew day= 1234 final = 5+6+9=20 min heaf 5 2 2 6 4 9 6 3 9

day 1 - 7

```
Code
1) sort acc to deadline
   day = 1
  minheap
 tolli=0; i<n;i++) &
   if ( deadline (i) > day) L
         heap. insert ( Ireward (i))
   else K
  y Csew (i) 7 h. soot ()) ~
           h. remove Min ()
           h.insert ( rew [i])
          sum of help
```



1)	Sout	acc	10	er		H	me	
~)	ans=	.1	e	nd=	er	di	ng l	(O)
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	fos li=	-1;	icu	າ	î d	£).	(
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(6	ans	4 4				
	4	e,	rdz	e	nd	ing	Ci)
	3					0		
(else							
(Cont	the	L				
Y								
			1	5	8	7	13	12
S	eturn	ans	2	[0	10	11	19	20
		-						
	-	TC;	0(1	n los	321)			
	9	TC; SC;	00	1)				

02	Distr	ibute	e Co	ndg		
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	sine	Cand	ries	to	all	
	$\mathcal{C}l$	Mall	M			
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2)	child Hen hary	du	rith	hig	hel.	lating
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	neigh	boug) _			
	•					
Min	imize	401	tal v	ω of	Con	ndies
A		<u>C</u> 8	10 6	2 J		
			2 (
	R:	1 5	3 2	/		
fin			2		tot =	= 7

16311012 L[] fin 132123 Code int candies (int A(), int N) & int L(n) int R(n) for Ci=1;i<n;i++1 & if (a(i) > a(i-1)) L(i) = L(i-1) +1 2(i) = 1

R/n-17 = 1 fos(i=n-2;i)(0;i--)(1) if(a(i))(a(i+1))R (i) = R[iei] +/ R(i)=1 Candies = 0 for (i=0 ji\n'; i++) \(\) candies + = man(L(i), R(i))