

	P1 Fraction	oned knopsa	<b>.k</b> 8	2	
<u>-                                    </u>		protein outent	Protein	\$4 12 kg	
protein	Food	in the current and		15 k	\$2 2 kg
grams		200 for 20kg			
0.00.0	Tomato	180 for 15kg	12	\$2 1 kg	
	Apple				\$1 1 1 1 1 1 1 1 1
	Onion				
	Chicken	150 for 10 kg		\$10 4 kg	
	Potato	132 for 12kg			\ ka
	Mango	100 for 5kg	20	16kg (	D 20→5kg
	Sentood	100 101 209	,	1017 (18	<i>r</i> • • • • • • • • • • • • • • • • • • •
			(	· · · · · ·	- Gkg
	maxi mi	z protein in tal	e it bag	creatly is t	Kg.
			0		0
					1.0
	double.	Max Protein ( int	wt[], unt	protein[], int k	<b>()</b> }
		to (int int a	ourse) or	= neu/	
<b>C</b> #	ر بی				
	tor	(120;1( wi. Le	C, (++)	Protein [i]x 1.0	<b>\</b>
	10	P= (WTLI),	protents,	Protein[i]x 1.0 wt[i]	)
		a. Add(P)		witij	
1 - 0/4/	2 3				(1)
+c0(n)		- 1 ( a	(t1,t2)=	>11. density.cm	p(t). density)
SCE O(N	) A	ng.Sort(α,		U	
			•	160	15
ans e	to fo	r(izo;i< a.	Len; 1+1] {	10 kg ,150,	150
	.50	(w, p, d	1 = a[i]		10kg 150
	n	·(()   (= k) (	owl to P	K2K-W}	Zkq ?
	- V	if( M < k){	4.1.		
		else { ans 1	- 2d*K ; k	preak;	2kg)
	1	• •			- O
	re	ans leating Education		Seeifa	, >> > Kg
	0_1 -	> Wrong 12 , service	aca L.	Land Admin Com Com Com	lo 🖍
	Knapsec	ck problem —	green g	gives wrong ansh	
	•	-			

	Fre	e Ou	rsl					Car				•	c(
P2	The	ne is	al	inited	time	sole	on	toy	<b>W</b> .	Sal	e is 10	07. 0	H!!_
	ACi	There is a limited time scale on toys. Sale is 100% off!!  A[i] - sale end time for ith toy Free											
	B[i	B[i] - Beauty of ith toy.											
	tiw	time starts from t=0, it takes 1 unit of time to											
	bus	3 OV	ne to	7 4	toy_(	an o	nly	be l	sou <b>g</b> h	ti-	1	A[i]	<u> </u>
deal	buy	1 10,	ys s	s.t. a	un O	f bea	uty	of t	oys	13 1	novi mi	zed.	tine
time ex	Az	{ z	, , ,	,3,	2,3	} ±	to	<b>1#</b>	<u>b</u>	0	104	5	
		_						<b>7</b>	5	i	5	9	
beauty_	D 2	ין	, <b>)</b> र	, ८, ³ ,	1, J	j	2	3	3	2	1	6	
		<u> </u>	, )		_	(1)	3	_	18	3		20	
Quiz	Azy		25	t	ซ# <sub>I</sub> b		+ to	u# \		Ø		20	
	BZ	3	1500		2 15	OQ	0	3					
			2 (	1	X	(2	<b>)</b> '	2   1	<u> 500</u>	15	503		
ex	. (		2	3 4	5	6	7	8	7				
ех		-		3 3			5	8	1				
	324	5	2	7 *	4	3	8	1	<b>\</b>	<u>.</u> . <i>[</i>	and time	. R	
- ti	ne			0.1						' ز	end tim		
	mp .			11							35	7	8
									2		3	7	
									4	<b>L</b>	5	4	-
										5	<u></u> つ	ک	
										•	5	' (	3

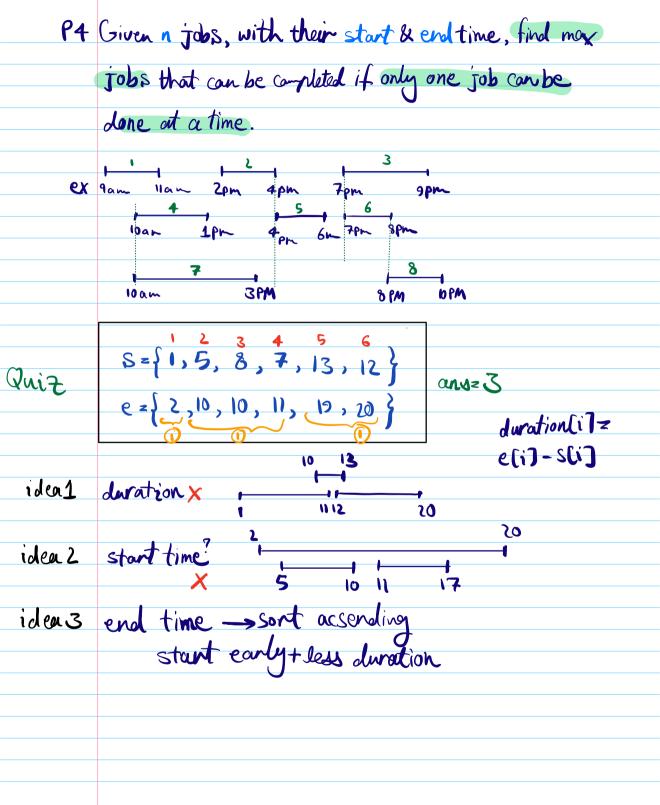
## Pain & Custom comp

```
A&B are sorted based on time ascending O(nlogn)
Code
         total Beauty =0; t=0
for (i=0; i(n; 1++)
             if ( t >= A(i)
                                               log (n)
                                                         men heap
                if ((B[i] > root of micheap))
                   total Beauty -= b
                   total Beauty + = B(i)
                   min Heap insert (SCI)
       W
                                             TCO (nlogn)
                    min Heap insert (BCID)
                                              80% O(n)
                   total Beauty += B[i]
 t=018245
 847 2BED
```

(grades)

	( 1 roca 80)							
PZ	There are N students with marks, teacher has to give							
	•							
	them candies s.t. a) Every student shand have at least one candy.							
	b) students with more marky than neighbors have							
	immediate							
	more condies than them. immediate neighbors							
	Find min Candies to distribute.							
ex <b>7 ←</b>	$A = \{1, 5, 2, 1\}$ Quiz $A = \{4, 4, 4, 4, 4\}$ ans 2							
7 ← <sup>ex</sup>	A={8,10,6,2} i-1 i poss 1 Poss 2							
QuiZ	$A = \{1, 6, 3, 1, 10, 12, 20, 5, 2\}$ $121 \times 12 \times 13 \times 14 \times 21\}$ $21 \times 12 \times 13 \times 14 \times 21\}$ $21 \times 12 \times 13 \times 14 \times 21\}$							
σ7 <b>«</b>								
-0,								
	1) for all i, c(i) =1 grade							
	2) for all i, if (((i-1) <a(i)) ==""> if(((i-1)&gt;=((i))) c(i)=((i-1)+1)</a(i))>							
1 C80(n)								
SC30(n)	1=1-n-1 Pass 1							
	3 for all i, if (1 [i]>A[i+1]) => if (cli)<=cli+1)+1							
$\sim$								
tor	9 = N-2-0 Pass							

Facebook



code arr((s,e)) a = new...

for (i=0 -> n-1) a.add(sti], eti] a. Sort (cmp) 1/sort based on end time and = 1 last End = a [o]. e for  $i \rightarrow 1$  to (N-1)if(ali) >>= last End){ and++; last End = a(i).e Nelse NoOp S={1,5,8,7,13,12} ret and; e={2,10,10,11,19,20} ans 23