## Exemp Gold Normal 19/20

			-	
<b>1</b> )	1	A	B 1	CACIDEDE
	(1) Jeti (NOH	10 m im	20min	250 10300
	Hoyitale	15 min	15min	170 11500
	Hoy Ha (3)	35 min	13 min	150 JESOZS
	told vidines	300	200	

#### · Varid veis de Delisto

21 -1 1° de vitimos : transporter jane o Hospital (1) 20 A 4 4 4 4 4 4 (3) 4 4 4 (1) 4 B X4-1 h h h h n (2) h h N 5 -1 4 (3) 47 n 26 6 -h

### · Força objeto

Min Z= 10x1 + 15 x2 + 35 x3 + 20 x5 + 15 x5 + 15 x 6

#### - Restrois\_

21+x2+x3=300 (vidines one Zac A) 26+25+26=200(n n n g)21 + 24 = 250 22 + 25 \le 170 23 + 26 ≤ 170

x17/0,227,01 x37/0, x47,0,257,0, 267/0

1= Fcx
Mcx Zffix = -26
50
2,+23+24=4
x 1+222+23-25+26=8

	D 2C 1	0	O 23	0 x 4	ο 25	-1 x6	6	
$\alpha$ 50	1 {	0	1	1	0	0	4	(1)
26-1	1	2	1	0	- 1	1	8	(2)
Zj-vj	-1 -	- 2	-1	0	1	0	-8	

	D 9C 1	0	O 23	0 x4	ο 25	-1 x6	6	
25 O	1	0	1	1	0	0	4	- (1) z (1)
α5 O χ & O	1/2	1	1/2	6	-1/2	1/2	4	(2)' = 1/2 (2)
<u> </u>	0	0	0	0	6	1	0	Quedro ótimo 1º Fest

b) 
$$||\frac{2\pi c}{||}$$

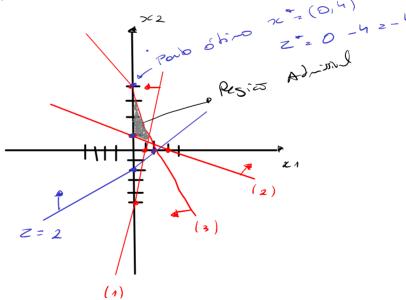
Max  $z = 2x_1 - h_{22} + x_3$ 

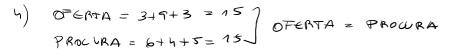
S.a

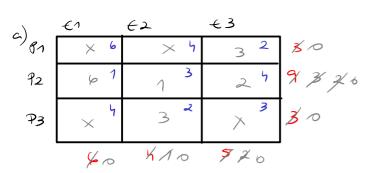
 $21 + x_3 \le h$ 
 $21 + x_3 \le h$ 
 $31 + 2x_2 + x_3 > 8$ 
 $31 > 0$ 

Min  $z_d = h_{u_1} + 8u_2$ 
 $31 + 2x_2 + x_3 > 8$ 
 $4u_2$ 
 $31 > 0$ 
 $31 > 0$ 
 $31 > 0$ 
 $31 > 0$ 
 $31 > 0$ 
 $31 > 0$ 
 $31 > 0$ 
 $31 > 0$ 

3) a) Min 
$$z = \pi 1 - \pi 2 = \frac{1}{2} (210) (0,-2)$$
  
Sa  
 $5\pi 1 - \pi 2 \le 5 (1,0) (0,-5) (1)$   
 $-\pi 1 - 3\pi 2 \le -3 (3,0) (0,1) (2)$   
 $2\pi 1 + \pi 2 \le 5 (2,0) (0,4) (3)$   
 $\pi 1 > 0, \pi 2 > 0$ 

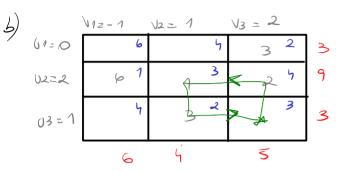






célules desayors

(111):0-166



Costo him transporte

213 = 3; 221 = 6; 222 = 3; x31=1; x32= 2

# c) Usado o quedro eltachos ...

Inc 8n harganters 3 tondates de Kiwis de ?1 fenc 
$$\in$$
 3 h h h h h  $\cap$  P2 h  $\in$  1 h h h h h h h P3 h  $\in$  2 h h h h h P3 h  $\in$  2 h h h h P3 h  $\in$  2