1

x_1	x_2	x_3	x_4	x_5	b
(1)	0	1	0	0	3
0	1	0	1	0	4
1	2	0	0	1	9
-5	-2	0	0	0	0

1	0	1	0	0	3
0	1	0	1	0	4
0	(2)	-1	0	1	6
0	-2	5	0	0	15

1	0	1	0	0	3
0	0	1/2	1	-1/2	1
0	1	-1/2	0	1/2	3
0	0	4	0	1	21

Resposta:

$x_1 = 3$ (área de arroz)
$x_2 = 3$ (área de milho)
$x_3 = 0$ (folga área de arroz)
$x_4 = 1$ (folga área de milho)
$x_5 = 0$ (folga mão de obra)

$z = 21$ (lucro)

2

x_1	x_2	x_3	x_4	x_5	x_6	b
6	3	-4	1	0	0	60
2	-4	(4)	0	1	0	40
3	3	3	0	0	1	60
-3	-2	-6	0	0	0	0

8	-1	0	1	1	0	100
1/2	-1	1	0	1/4	0	10
3/2	(6)	0	0	-3/4	1	30
0	-8	0	0	3/2	0	60

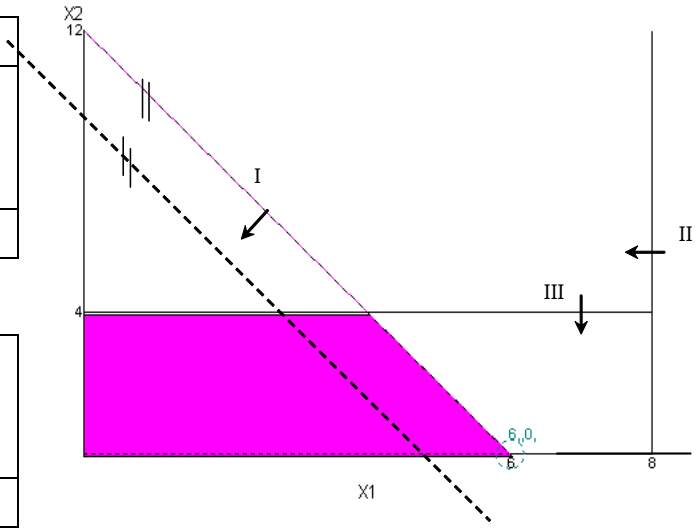
33/4	0	0	1	7/8	1/6	105
3/4	0	1	0	1/8	1/6	15
1/4	1	0	0	-1/8	1/6	5
2	0	0	0	1/2	4/3	100

Resposta:

$x_1 = 0$	fab prod 1
$x_2 = 5$	fab prod 2
$x_3 = 15$	fab prod 3
$x_4 = 105$	sobra rec 1
$x_5 = 0$	sobra rec 2
$x_6 = 0$	sobra rec 3
$z=100$	lucro total

3

x_1	x_2	x_3	x_4	x_5	b
(2)	1	1	0	0	12
1	0	0	1	0	8
0	1	0	0	1	4
-4	-2	0	0	0	0



1	1/2	1/2	0	0	6
0	-1/2	-1/2	1	0	2
0	1	0	0	1	4
0	0	2	0	0	24

Múltiplas soluções

Fazendo mais uma iteração :

1	1/2	1/2	0	0	6
0	-1/2	-1/2	1	0	2
0	(1)	0	0	1	4
0	0	2	0	0	24

1	0	1/2	0	-1/2	4
0	0	-1/2	1	1/2	4
0	1	0	0	1	4
0	0	2	0	0	24

Resposta1:

$x_1 = 6$
$x_2 = 0$
$x_3 = 0$
$x_4 = 2$
$x_5 = 4$
$z = 24$

Resposta2:

$x_1 = 4$
$x_2 = 4$
$x_3 = 0$
$x_4 = 4$
$x_5 = 0$
$z = 24$

4

X1	X2	X3	X4	X5	b
-1	1	1	0	0	1
(6)	4	0	1	0	24
0	1	0	0	1	2
-1	2	0	0	0	0

X1	X2	X3	X4	X5	b
0	5/3	1	1/6	0	5
1	2/3	0	1/6	0	4
0	1	0	0	1	2
0	8/3	0	1/6	0	4

X1= 4 X2=0
X3=5 X4=0
X5=2 Z = -4