28/10/23

Stan Brand and Brand.

Enquanto $8x_1 + 5x_2$

$x_1 + x_2 \leq 6$

$9x_1 + 5x_2 \leq 45$

Resolução e reposta $z = 8x_1 + 5x_2$

$x_1 + x_2 = 6$

$9x_1 + 5x_2 = 45$

$x_1 + x_2 = 6$

$1,0 + x_2 = 6$

$0 + x_2 = 6$

$x_2 = 6 - 0$

$x_2 = 6$

$9x_1 + 5x_2 = 45$

$9 \cdot 0 + 5x_2 = 45$

$0 + 5x_2 = 45$

$5x_2 = 45 - 0$

$x_2 = 45$

$x_1 + x_2 = 6$

$x_1 + 1,0 = 6$

$x_1 + 0 = 6$

$x_1 = 6 - 0$

$x_1 = 6$

$9x_1 + 5x_2 = 45$

$9x_1 = 45$

$x_1 = 45$

$x_1 = 5$

9 | 4
8 2,25
10
8
20
20
0

(-9) $x_1 + x_2 = 6$

$9x_1 + 5x_2 = 45$

$-9x_1 - 9x_2 = -54$

$9x_1 + 5x_2 = 45$

$-4x_2 = -9$

$x_2 = \frac{-9}{-4}$

$x_2 = 2,25$

15 | 4
12 3,75
030
28
020
20
0

(-5) $x_1 + x_2 = 6$

$9x_1 + 5x_2 = 45$

$-5x_1 - 5x_2 = -30$

$9x_1 + 5x_2 = 45$

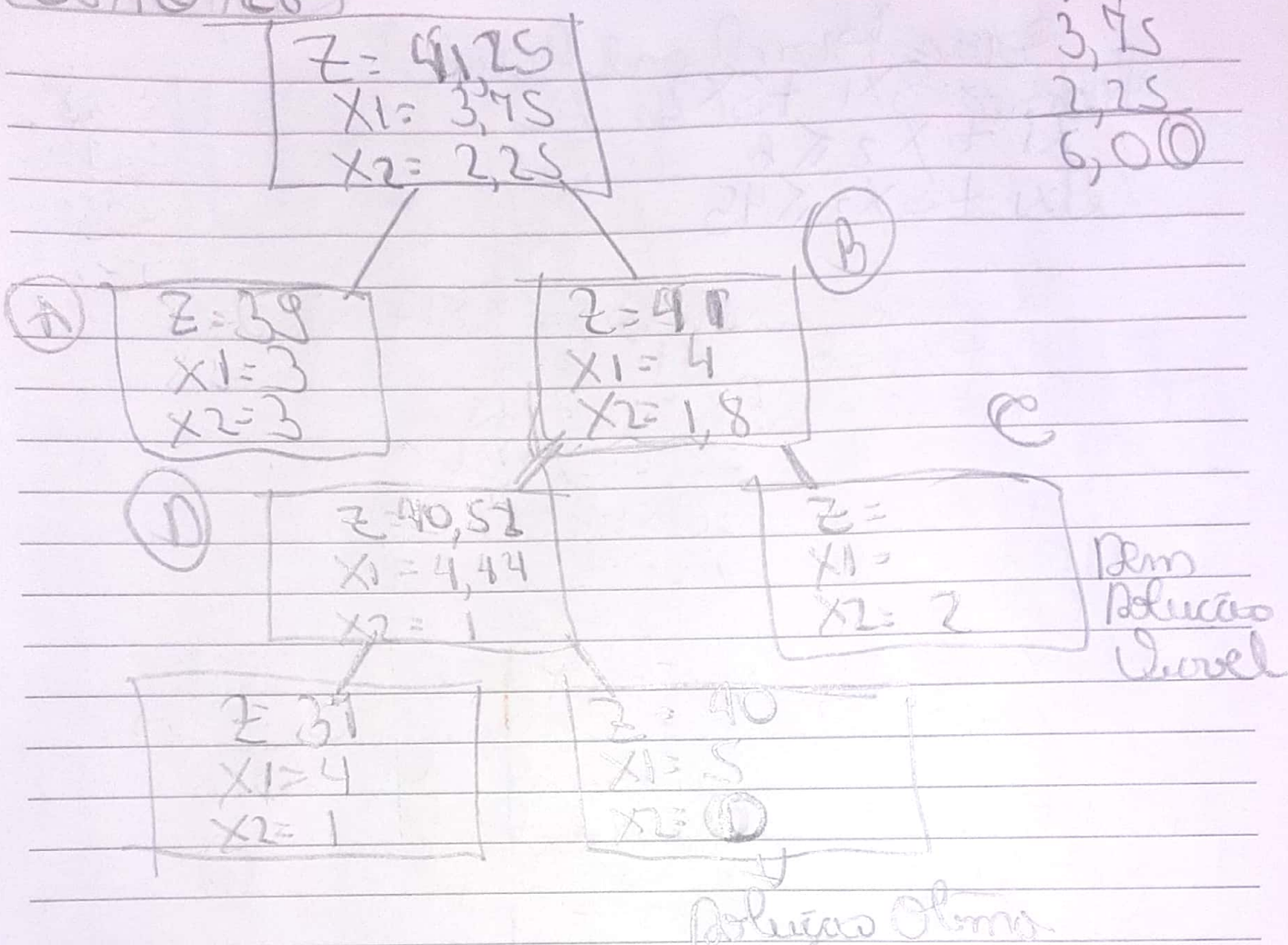
$4x_1 + 0x_2 = 15$

$x_1 = \frac{15}{4}$

$x_1 = 3,75$

FORON:

28/10/28



Sem Solução Viável

Solução Ótima

3,75
2,25
6,00

8X1 + 5X2
8.3,75 + 5,2,25

FORON:

28/10/25

A) $X1 + X2 = 6$

$3 + X2 = 6$

$X2 = 6 - 3$

$X2 = 3$

B)

$9X1 + 5X2 = 45$

$9.4 + 5X2 = 45$

$36 + 5X2 = 45$

$5X2 = 45 - 36$

$5X2 = 9$

$X2 = \frac{9}{5}$

$X2 = 1,8$

C) $X1 + X2 = 6$

$X1 + 2 = 6$

$X1 = 6 - 2$

$X1 = 4$

$9X1 + 5X2 = 45$

$9X1 + 5.2 = 45$

Dom Fabricio

D) $X1 + X2 = 6$

$X1 + 1,1 = 6$

$X1 + 1 = 6$

$X1 = 6 - 1$

$X1 = 5$

$9X1 = 40$

$X1 = \frac{40}{9}$

$X1 = 4,44$

FORON:

24/10/25

E

$x_1 + x_2 = 6$

$4 + x_2 = 6$

$x_2 = 2$

$9.1 + 5x_2 = 45$

$9.4 + 5x_2 = 45$

$36 + 5x_2 = 45$

$5x_2 = 45 - 36$

$5x_2 = 9$

$9x_1 + 9x_2 = 45$

$9.1 + 5x_2 = 45$

$9 + 5x_2 = 45$

$5x_2 = 45 - 9$

$5x_2 = 45$

$x_2 = 45/9$

$x_2 = 5$

F

$9.5 + 5x_2 = 45$

$45 + 5x_2 = 45$

$5x_2 = 45 - 45$

$5x_2 = 0$

$x_2 = 0$

$x_1 + x_2 = 6$

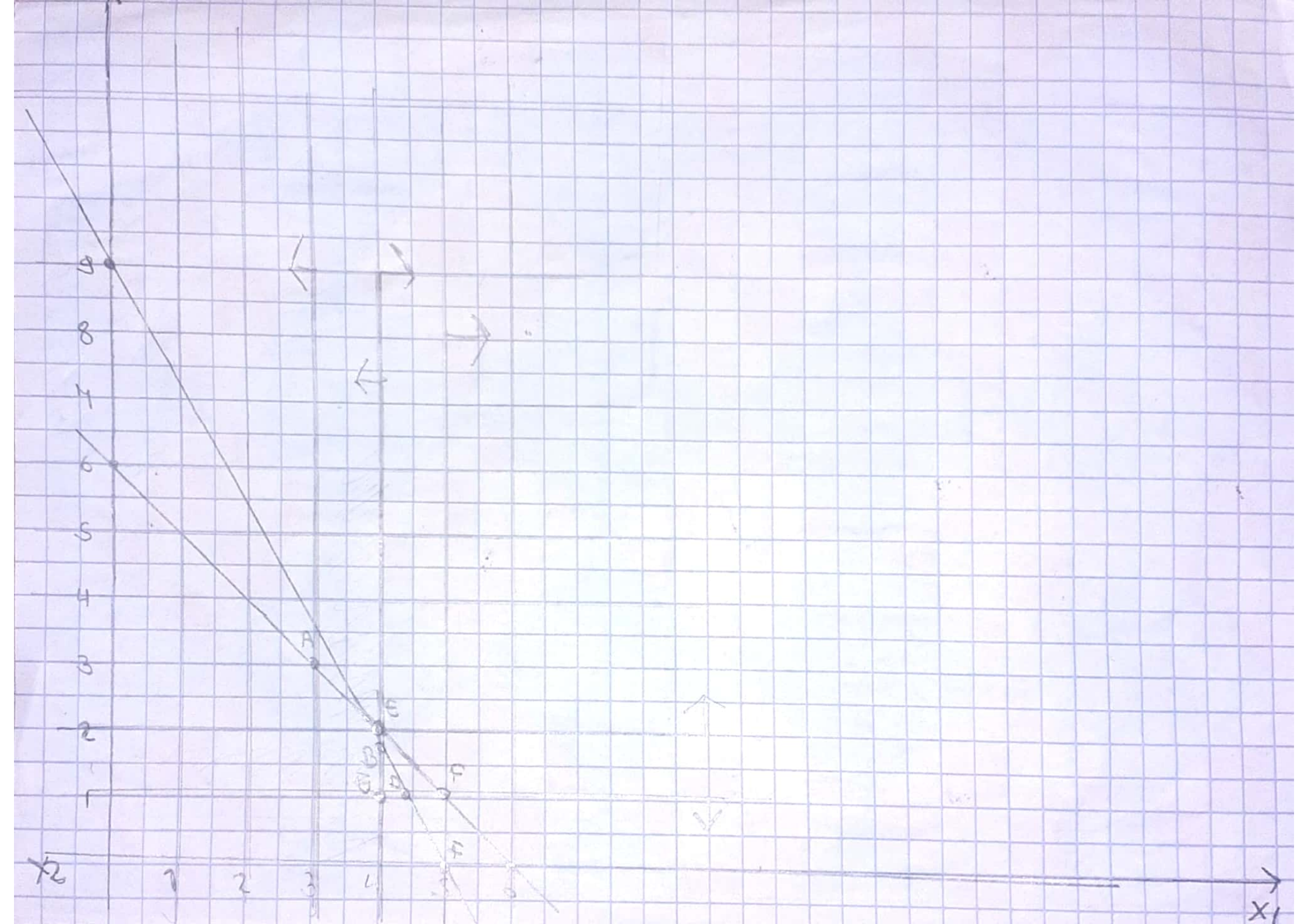
$1.5 + x_2 = 6$

$5 + x_2 = 6$

$x_2 = 6 - 5$

$x_2 = 1$

FORON:


9
8
7
6
5
4
3
2
1
A
B
C
D
E
F
1
2
3
4
5
X2
X1