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Curso: Ciência da computação

1-

- a) todas etapas feitas no papel
- b) resolução na imagem no final do pdf

```
B = [2 \ 0 \ 9 \ 0 \ -7; \ 6 \ 5 \ 33 \ 4 \ -24; \ 2 \ -5 \ 10 \ 2 \ 1; \ -8 \ 10 \ 11 \ 47 \ 65];
mi = -(B(2,1)/B(1,1));
L2 = B(1, :) * mi + B(2, :);
B(2, :) = L2;
mi = -(B(3,1) / B(1,1));
L3 = B(1, :)* mi + B(3, :);
B(3, :) = L3;
mi = -(B(4, 1) / B(1,1));
L4 = B(1, :)*mi + B(4, :);
B(4, :) = L4;
mi = -(B(3,2) / B(2,2));
L3 = B(2, :)*mi + B(3, :);
B(3, :) = L3;
mi = -(B(4, 2) / B(2,2));
L4 = B(2, :)*mi + B(4, :);
B(4, :) = L4;
mi = -(B(4, 3) / B(3,3));
L4 = B(3, :)*mi + B(4, :);
B(4, :) = L4;
```

C) resolução na imagem no final do pdf

```
B = [21 -3 \ 4 \ 9 \ -23 \ -52; \ -84 \ 19 \ -18 \ -36 \ 92 \ 216
     -42 27 -20 -14 46 126; 21 -24 4 16 -21 -56;
     84 2 42 25 -94 -156];
mi = -(B(2,1)/B(1,1));
L2 = B(1, :) * mi + B(2, :);
B(2, :) = L2;
mi = -(B(3,1) / B(1,1));
L3 = B(1, :)* mi + B(3, :);
B(3, :) = L3;
mi = -(B(4, 1) / B(1,1));
L4 = B(1, :)*mi + B(4, :);
B(4, :) = L4;
mi = -(B(5, 1) / B(1,1));
L5 = B(1, :)*mi + B(5, :);
B(5, :) = L5;
mi = -(B(3,2) / B(2,2));
L3 = B(2, :)*mi + B(3, :);
B(3, :) = L3;
mi = -(B(4, 2) / B(2,2));
L4 = B(2, :)*mi + B(4, :);
B(4, :) = L4;
mi = -(B(4, 3) / B(3,3));
L4 = B(3, :)*mi + B(4, :);
B(4, :) = L4;
mi = -(B(5, 2) / B(2,2));
L5 = B(2, :)*mi + B(5, :);
B(5, :) = L5;
mi = -(B(5, 3) / B(3,3));
L5 = B(3, :)*mi + B(5, :);
B(5, :) = L5;
mi = -(B(5, 4) / B(4,4));
L5 = B(4, :)*mi + B(5, :);
B(5, :) = L5;
```

5)

6)transposta

```
function [C] = transposta(A)
  [m,n] = size(A);
  for i=1:m
    for j=1:n
        C(i,j) = A(j, i);
    endfor
endfor
```

resolução das questões

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Q) 12 v	Allumagas Em suguindo poposos	a salução
741	elininegate Em Augusto apour	3 -9 (1 - Co L1
	X1-0X1, 99 - 174	-1 -5 /9 2000 66
0	1-17x2+14x3=45 -12	-17 19 93 1 65
0-34	021 = 74	2000 000
1)	2 3 (1) 3 -4 11.	
A11 = 12	931=-13	(24-1-6 29)
(017 - (11))	-1 (12 2 4)	(0 -+ -19 4)=19
12	= 1 (12 3 -4 15).1	D(13 3 - 4 11)
		(-12 -19 14 45) (0 -14 10 S5)=13
Q 22 = -7	as1=49+	(0 -14 10 35)-(2
	= 2(414) =+2 = (0 -4)	-14 M) 314/ -
- +9	1-91 (O +14	-70 491) ± 0
	(00-14)	10 %
	(00)	38 42) -
117 3 -	- 4 11	BI CALL OF BUILDING
0 ->	-14 7	
100	38 42	25 0 4 5
	-> x2 - 14.31 = 4	12x + 3, -51 -4.71 = 13
- 38 X3 =		19
X3 =	31 X3:-81 X1:	170
	19	+2
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	111111111111111111111111111111111111111	
F -		

b) for triong to rigado pelo colore
2090-7
2090 -7 0554-3 9X4=18 +X7+6.2=5
Virginia Company
0009 18 9 +X3=-7
SY2+6.1-11+7.4:-3
Sx2 - 6 +8 = -3
- CV2 + 2:: 5 + 2 + 1 0 1 0
$\frac{5 \times 2 = -1}{\times 2 = -1} = \frac{2 \times 1 + 9 \times 2}{2 \times 1 - 9 = -3}$
X2=-1 711-92
761: 2
J 10, 900 0 00 1 0 0
21 -3 et 9 -23 -52 -9xs = -40
0 7 -2 0 0 8 xs = -90 0 0 -2 4 0 0 8 xs = S
0 0 0 0 0 -8 -4 25 - 78
0 0 0 3 2 72 3×4 + 7.5 = 78
70 284 = 12-10
-6 X3 + 4x4 = -2
The state of the s
-6x3 = -1-16 7x2 = 14
-Sxe:-18 Y7: 7
x3 = 3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
X1=6
Credeal

The state of the s
7-11-0
2- Use a gestação de Ceaux - Jose las poro resolves con
Qu) X1 + x2 = -1 (= 1 1 -1 Q = 1
Qu) X+ + x 2 = -1 (+ 1 1 -1 Q 1 = 1
Mxx-3x2=3 4-33 021=9
12:12/(-2) + +
1 = (26(A1)) + (61) = +100°
00 1 1 20 0 10 = -1
- 0 1-1
ly X1 + 3x2 + x3 + x4 = 3 3 1 8
2x1-2x2 + x3 +2x4=8 7-2 1 28
3 1 5 - 1 - 1 3 1 2 - 1 3 1 2 - 1
Mi: - (2/1) = -2
12= L3-m1+ L2= 0-2-10-2
L3= L1: m1 + L3 = 0 -8 -1 -4 -10
12: 14×123 - 0 1 0 0 1/2
23 - 18/LR = 0 1 1 0 2
13113
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27.11	
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
	3) Quai lite un linko flore deglan a linko olega e redejido. Q) flore linko degreso oh) melikoo L) menhano C) flore linko degreso el melikoo Q) flore linko degreso el prelio degla el
	4) Sayon A & B Q) 1 1 3 1 4 3/2 1/2 2 -201 2 -1 0 1/2 1 2 2 1/2 1 1
	10) 3- 3 1 4 9 3 12 7:11 5 2 2 10 2 -2 0 1 = -6 0 3 -9 1 1 = -8 2 2 1 7 7 3 6 6 2 -2 2 4 -4 4
	7-7-1 -1-10 2
	Credeal

