P91
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Professora: Dra. Marisa Atsuko Nitto - 1ºADS
Lista de Exercícios - Matemática 1 - Semana 8
1) Escreva em forma de tabela as matrices dadas:
J.J-A=(aij)3x3, com aij = 5/2 (-i)2-2/3 (-(j)2)
A = [a11 a12 a13]; A = [+7/6 + 19/6 + 13/2]
ari ari ari ari 14/3 +8
[031 032 033] 3x3 [+31/6 +43/6 +21/2] 3x3
0 1/0/112 0/0/(112) 10 1/0/112 0/0/-(7)2]
$Q_{11} = \frac{1}{2}(-1)^{2} - \frac{2}{3}(-(1)^{2}) = Q_{12} = \frac{1}{2}(-1)^{2} - \frac{2}{3}(-(2)^{2}) = Q_{12} = \frac{1}{2}(-1)^{2} - \frac{2}{3}(-(2)^{2}) = Q_{12} = \frac{1}{2}(-1)^{2} - \frac{1}{2}(-1)^{2} - \frac{1}{2}(-1)^{2} = \frac{1}{2}(-1)^{2} - \frac{1}{2}(-1)^{2} - \frac{1}{2}(-1)^{2} = \frac{1}{2}(-1)^{2} - \frac{1}{2}(-1)^{2} - \frac{1}{2}(-1)^{2} - \frac{1}{2}(-1)^{2} = \frac{1}{2}(-1)^{2} - \frac{1}$
1/2.1+2/3.1=1/2+2/3= 1/2.1+2/3.4=1/2+8/3=
3/6+4/6=+7/6 $3/6+16/6=+19/6$
$\alpha_{13} = \frac{1}{2}(-1)^2 - \frac{2}{3}(-(3)^2) = \alpha_{21} = \frac{1}{2}(-2)^2 - \frac{2}{3}(-(1)^2) =$
$\frac{3/2.1+2/3.9=1/2+18/3=}{3/4.12+6/1-1/2+12/2=}$
$\frac{346}{12+6} = \frac{1}{2+12} = \frac{2}{1+2} = \frac{6}{3} + \frac{2}{3} = \frac{1}{3} = \frac{1}{3}$
+13/2, +8/3,
$\alpha_{22} = \frac{1}{2}(-2)^2 - \frac{2}{3}(-(2)^2) = \alpha_{23} = \frac{1}{2}(-2)^2 - \frac{2}{3}(-(3)^2) =$
1/2.4+2/3.4=4/2+8/3= 1/2.4-2/3.9=4/2+18/3=
2/1+8/3=6/3+8/3= 2/1+6/1=8/1=+8/
+14/3,
$0.31 = \frac{1}{2}(-3)^2 - \frac{2}{3}(-(1)^2) = \frac{1}{3}(-(2)^2 - \frac{1}{2}(-(2)^2) = \frac{1}{2}(-(2)^2 - \frac{1}{2}(-(2)^2) = \frac{1}{2}($
1/2.9+2/3.1=9/2+2/3= 1/2.9+2/3.4=9/2+8/3=
27/6+4/6=31/6 > +31/6, 27/6+16/6=+43/6
$0.33 = 1/2(-3)^2 - 2/3(-(3)^2) =$
1/2 9 17/2 9 - 9/2 1 10/2
917+6/1=9/2+12/2-
+21/2

data 25.04.4 (echa 25.04.4

688888 pg 2
pg2
1.2-A= (aij)4x4, com aij=-i2-j2
A= an an an an 3 A= [-2 -5 -10 -17]
A= an an an an 9 A= -2 -5 -10 -17] an an an an an -5 -8 -13 -20
Q31 Q32 Q33 Q34 -J0 -J3 -18 -75
Q21 Q22 Q23 Q24
$\alpha_{H} = -\hat{1}^{2} - J^{2} = -J^{2} - J^{2} = \alpha_{12} = -\hat{1}^{2} - J^{2} = -1^{2} - 2^{2} = -1^{2}$
$\frac{Q_{H} = -\hat{1}^{2} - J^{2} - J^{2} - J^{2} = Q_{12} = -\hat{1}^{2} - J^{2} = -1^{2} - 2^{2}$
J+J=2, -1-J=-2, -1-4=-5,
$Q_{13}=\frac{1}{2}^{2}-J^{2}=-J^{2}-3^{2}= Q_{14}=-\int_{1}^{2}-J^{2}=-J^{2}-4^{2}=$
-1-9=-10, -1-16=-17,
0 02 -7 01 1 0 22 -7 02 02 -
$\frac{\alpha_{21} = -i^2 - J^2 = -2^2 - J^2 = \alpha_{22} = -i^2 - J^2 = -2^2 - 2^2 = -4 - 4 = -8$
Q23=12-J2=-22-32= Q24=-12-J2=-22-42=
-4-9=-13, -4-16=-20,
17 7 - 72 12 A 12 -2 - 72 02-
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
$-9-J=-50_{n}$ $-9-4=\frac{13}{3}-13_{n}$
$0.33 = -1^{2} - 1^{2} = -3^{2} - 3^{2} = 0.34 = -1^{2} - 1^{2} = -3^{2} - 4^{2} = 0.00$
$0.33 = -i^{2} - J^{2} = -3^{2} - 3^{2} = 0.34 = -i^{2} - J^{2} = -3^{2} - 4^{2} = -9 - 9 = -18a$
THE RESERVE OF THE PARTY OF THE
$\frac{\alpha_{41} = -a^2 - J^2 = -4^2 - J^2 = \alpha_{42} = -a^2 - J^2 = -4^2 - 2^2 = -16 - J = -17$
10-5-10-
Q43=-12-J2=-42-32= Q44=-12=-42-42=
$\frac{0.43 = -3^{2} - 3^{2} = -4^{2} - 3^{2} = 0.44 = -3^{2} - 3^{2} = -4^{2} - 4^{2} = 0.44 = -32$
J.3-A= (ais)4x4, com auj = -3/4 i + 1/3 + 5/6 32

pg3

A - an an an an on one of the original o		1-15/10 35/10 85/12 155/127
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	A = a11 Q12 Q13 Q14 9	H- 1/12 1/12 12/11
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Q21 Q22 Q23 Q24	1-3/3 3/10 (1/10 177/10)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		37/16 17/11-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Qui Muz Q43 Q44 4×4	[-J]/6 2/3 29/6 32/3 J4x4
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Qu= -3/4.1+1/2+5/6.12=	Q12= -3/4.1+1/3+5/6.2= 3,4,6/2
-3/4+3/3+5/6 = -3/4+1/3+20/6 = 1,1,3,3,3 $-3/4+3/3+5/6 = -3/4+1/3+20/6 = 1,1,3,3,3$ $-3/4+3/3+5/6 = -3/4+1/3$		-3/4+1/3+5/6.4= 3,2,3 2
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		-9+4+40=+35 12 _n
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	10 10	12 12 ,
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	0 - 2/4/1/2/5/1 32-1	0,4=-3/4.1+1/3+5/6.42=
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		
$021 = -3/4.2 + 5/3 + 5/6.3^{2} = 0.22 = -3/4.2 + 5/3 + 5/6.2^{2} = 2,3,6 = 2$ $-6/4 + 5/3 + 5/6.5 = -6/4 + 5/3 + 5/6.4 = 1,3,3 = 3$ $-3/2 + 5/3 + 5/6 = -3/2 + 5/3 + 20/6 = 1,5,5 = 6$ $-9 + 2 + 5 = -9 + 7 = 47 - 9 + 2 + 20 = -9 + 22 = +13$ $-6 = 6 = 6 = 6$ $-2 = -5$		
$021 = -3/4.2 + 5/3 + 5/6.5^{2} = 0.22 = -3/4.2 + 5/3 + 5/6.2^{2} = 2,3,6/2$ $-6/4 + 5/3 + 5/6.5 = -6/4 + 5/3 + 5/6.4 = 1,3,3/3$ $-3/2 + 5/3 + 5/6 = -3/2 + 5/3 + 20/6 = 1,5,5/6$ $-9 + 2 + 5 = -9 + 7 = 47 - 9 + 2 + 20 = -9 + 22 = +13$ $6 \qquad 6 \qquad 6 \qquad 6$ $-2 = -5$		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	- = 6107 x 811 + 178 +	12 12 12
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	244 0 1512 614 12	21: 21: 21: 21: 21: 21: 21: 21: 21: 21:
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		
$\frac{-9+2+5=-9+7=\pi}{6} = \frac{-9+2+20=-9+22=+13}{6}$ $-2=-1$		
$\frac{-9+2+5=-9+7=\pi}{6} = \frac{-9+2+20=-9+22=+13}{6}$ $-2=-1$		-3/2+1/3+20/6=1,1,16,1
28,-2=-18,888-08,884-08,884-08,884-08,884-08	-9+2+5=-9+7=- 1-5	3+2+20=-9+22=+13
28,-2=-18,888-08,884-08,884-08,884-08,884-08		6 6
6 3,	$\underline{-2} = -\underline{1}$	18 + 1 + 45 = - 18 + 44 = + 19 = 1 + 18 = 1
	6 3,,	
a23 = -3/4.2+1/3+5/6.32 = a24 = -3/4.2+1/3+5/6.42 =	a23 = -3/4.2+1/3+5/6.32 =	024=-3/4.2+5/3+5/6.42=
-6/4+3/3+5/6.9= -6/4+3/3+5/6.16=	-6/4+3/3+5/6.9=	-6/4+1/3+5/6.16=
-3/2+5/3+45/6= -3/2+5/3+80/6=	-3/9+3/3+45/6=	
-9+2+45=-9+47=+38= -3/2+1/3+40/3=		-3/2+1/3+40/2-
6 6 6 -9+2+80=-9+82=+73		-9+2+80=-9+89 +73
$+\frac{38^{\circ 2}}{6:2} = +19$ 6 6 6	13832 = +19	

data 25.04. 4 fecha 25.04. 4

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Q31=-3/4 = 3+3/3+5/6.5=	032 = -3/4.3+5/3+5/6.22=
-9/4+5/3+5/6.5=	-9/4 + 3/3+5/6.4e
-9/4-1/3+5/6.5=	-9/9 73/3/3/809=
-914+513+5/6= -77+14110	-9/411/3+20/6=
-27+4+10=-27+14=	-27+4+40 = -27+44 = +17
-12	12 12
13	12 12 12
104	
022-2/11/21/1/1/ 92	
033=-3/4.3+5/6.82=	034=-3/4.3+1/3+5/6. 42=
-9/4+1/3+5/6.9=	-9/4+5/3+5/6.16=
-914+113+45/6=	-914+1/3+80/6=
27+9+30=-27+99=+6+	-27+4+160=-27+164=+137
_ 12 12,	12 12 124
0 - 2/4:11112:01/12	12 2/11/11/21/21/02
Q412-3/4.4+5/3+5/6.52=	
-12/4+3/3+5/6.12	-12/4+1/3+5/6,4=
-3/1+1/3+5/6=	-3/1+1/3+20/6z
-18+2+5=-18+7=-11	$-18+2+20=-18+22=+4^{22}=+2$
6 6 6 _N	6 6:2 3,
Q43=-3/4.4+1/3+5/6.32=	Qu4=-3/4.9+1/3+5/6.42=
-12/4+3/3+5/6.9=	-12/4+ 1/3+5/6.16=
-3+5/3+45/6=	-3/1+1/3+80/6=
-18+2+45=-18+47=+29	$-18+2+80=-18+82=+64^{32}=+32$
6 6 11	6 \$6 6:2 3,
	71.0.0
J.4-A=(ais)3x3, com aij=	-+12i+5/352
14+718+210-10=	0-0/4+1/3+6/6.83
	-13/6 19/6 23/2
021 022 023	-16/3 -1/3 8
Q31 Q32 Q33 3X3	-53/6 -23/6 9/2 3x3

data 25.04.24 fecha 25.04.24

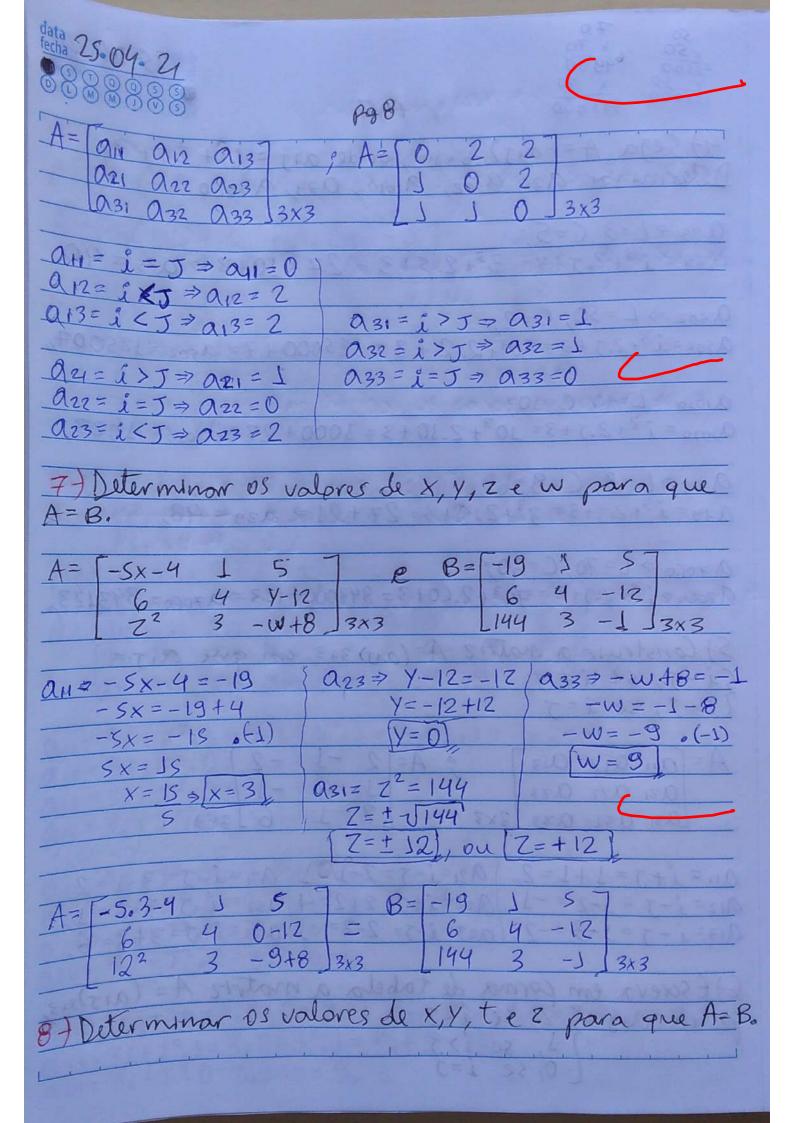
Q11 = -7/2. 1+5/3.12 =	aiz=-7/2.5+5/3.22= 2,3/2
$\frac{(1)^{2}-1/2.1}{-7/2.1}+5/3.1=$	-7/2+5/3.4= 1,3 3
-7/2·37 J 303-	1-7/2+20/3= 11/6 ₂
-21+10=-21+10=-11	-2J + 40 = + 19
6 6 6,	6 6,
- 118 = (8)8 - 8 - 8 - 8 - 8 - 8	SAST MANAGER
Q13=-7/2.1+5/3.32=	10,4=-7/2.5+5/3.42=
-7/2+5/3.9=	-7/2+5/3.16=
-7/2+45/3=	-7/2+80/3=
$-2J+90=69^{23}=+23$	-21+160 = +139
	6 6 ,
Q21=-7/2.2+5/3.52=	ar=-7/2.2+5/3.22=
-14/2+S/3.J=	1-7/1+5/3.42
-7/1+5/3=	-7/1+20/3=
-21+5=-16	-21+20=6-1 +12 P m
3 3	3
3 3/	3 3,,
3 3 3 5	AT LAW BIR BIR SHELL OF A
a23 = -7/2,2+5/3.32 =	azu=-7/2.2+5/3.42=
023=-7/2,2+5/3.32= -7/1+5/3.9=	azu=-7/2.2+5/3.42= -7/1+5/3.16=
023=-7/2.2+5/3.32= -7/1+5/3.9= -7/1+45/3=	024 = -7/2.2+5/3.42 = -7/1+5/3.16 = -7/1+80/3=
$023 = -7/2.2+5/3.3^{2} = -7/1.1+5/3.3^{2} = -7/1.1+5/3.9 = -7/1.1+45/3$	$024 = -7/2.2 + 5/3.4^2 =$ $-7/1 + 5/3.16 =$ $-7/1 + 80/3 =$ $-21 + 80 = +59$
023=-7/2.2+5/3.32= -7/1+5/3.9= -7/1+45/3=	024 = -7/2.2+5/3.42 = -7/1+5/3.16 = -7/1+80/3=
$023 = -7/2.2+5/3.3^{2} = -7/3+5/3.3^{2} = -7/3+5/3.9 = -7/3+45/3$	$024 = -7/2.2 + 5/3.4^2 =$ $-7/1 + 5/3.16 =$ $-7/1 + 80/3 =$ $-21 + 80 = +59$ 3
$023 = -7/2.2+5/3.3^{2} = -7/3+5/3.3^{2} = -7/3+5/3.9 = -7/3+45/3 = -7/3+45/3 = -7/3+45/3 = -7/3+45/3.3^{2} = -7/3+45/3.3^{2} = -7/2.3+5/2.3^{2} = -7/2.3+5/2.3^{2} = -7/2.3+5/2.3^{2} = -7/2.3+5/2.3^{2} = -7/2.3+5/2.3^{2} = -7/2.3+5/2.3^{2} = -7/2.3+5/2.3^{2} = -7/2.3+5/2.3^{2} = -7/2.3+5/2.3^{2} = -7/2.3+5/2.3^{2} = -7/2.3+5/2.3^{2} = -7/2.3+5/2.3^{2} = -7/2.3^{2} = -7/2.3^{2} = -7/2.3^{2}$	$024 = -7/2.2 + 5/3.4^{2} = -7/1 + 5/3.16 = -7/1 + 80/3 = -21 + 80 = +59$ $3 $
$023 = -7/2.2+5/3.3^{2} = -7/3+5/3.3^{2} = -7/3+5/3.9 = -7/3+45/3$	$024 = -7/2.2 + 5/3.4^{2} = -7/1 + 5/3.16 = -7/1 + 80/3 = -21 + 80 = +59$ 3 $032 = -7/2.3 + 5/3.2^{2} = -4/-21/2 + 5/3.4 = -21/2 + 20/3 = $
$023 = -7/2.2+5/3.3^{2} = -7/3+5/3.3^{2} = -7/3+5/3.9 = -7/3+45/3 = -23+45/3.3^{2} = -21/2+5/3.3^{2} $	$024 = -7/2.2 + 5/3.4^{2} = -7/1 + 5/3.16 = -7/1 + 80/3 = -21 + 80 = +59$ 3 $032 = -7/2.3 + 5/3.2^{2} = -4/-21/2 + 5/3.4 = -21/2 + 20/3 = -63 + 40 = -23$
$023 = -7/2.2+5/3.3^{2} = -7/3+5/3.3^{2} = -7/3+5/3.9 = -7/3+45/3 = -23+45/3.3^{2} = -21/2+5/3.3^{2} = -21/2+5/3.3^{2} = -21/2+5/3.3^{2} = -21/2+5/3.3^{2} = -21/2+5/3 = -23/2+5/3 = -23/2+5/3 = -63+10 = -53$	$024 = -7/2.2 + 5/3.4^{2} = -7/1 + 5/3.16 = -7/1 + 80/3 = -21 + 80 = +59$ 3 $032 = -7/2.3 + 5/3.2^{2} = -4/-21/2 + 5/3.4 = -21/2 + 20/3 = $
$023 = -7/2.2+5/3.3^{2} = -7/3+5/3.3^{2} = -7/3+5/3.9 = -7/3+45/3 = -23+45/3.3^{2} = -23+45/3.3^{2} = -21/2+5/3.3^{2} = -21/2+5/3.3^{2} = -23/2+5/3 = -23/2+5/3 = -63+10 = -53 = 6$	$024 = -7/2.2+5/3.4^{2} = -7/1+5/3.16 = -7/1+80/3 = -21+80 = +59 = 3$ $032 = -7/2.3+5/3.2^{2} = -4/-21/2+5/3.4 = -21/2+20/3 = -63+40 = -23 = 6$
$023 = -7/2.2+5/3.3^{2} = -7/3+5/3.3^{2} = -7/3+5/3.9 = -7/3+45/3 = -23+45/3.3^{2} = -21/2+5/3.3^{2} = -21/2+5/3.3^{2} = -21/2+5/3 = -23/2+5/3.3^{2} = -63+10 = -53 = 6$ $033 = -7/2.3+5/3.3^{2} = -63+10 = -53 = 6$	$024 = -7/2.2+5/3.4^{2} = -7/1+5/3.16 = -7/1+80/3 = -21+80 = +59 = 3$ $032 = -7/2.3+5/3.2^{2} = -7/2.3+5/3.4 = -21/2+20/3 = -63+40 = -23 = 6$ $034 = -7/2.3+5/3.4^{2} = -7/2.4^{2} = -7/2.4^{$
$023 = -7/2.2+5/3.3^{2} = -7/3+5/3.3^{2} = -7/3+5/3.9 = -7/3+45/3 = -7/3+45/3 = -7/3+45/3.3^{2} = -7/2.3+5/$	$024 = -7/2.2+5/3.4^{2} = -7/14+5/3.16 = -7/14+5/3.16 = -7/14+80/3 = -21+80 = +59$ $3 $
$023 = -7/2.2+5/3.3^{2} = -7/3+5/3.3^{2} = -7/3+5/3.9 = -7/3+45/3 = -23+45/3.3^{2} = -21/2+5/3.3^{2} = -21/2+5/3.3^{2} = -21/2+5/3 = -23/2+5/3.3^{2} = -63+10 = -53 = 6$ $033 = -7/2.3+5/3.3^{2} = -63+10 = -53 = 6$	$024 = -7/2.2+5/3.4^{2} = -7/1+5/3.16 = -7/1+80/3 = -21+80 = +59 = 3$ $032 = -7/2.3+5/3.2^{2} = -7/2.3+5/3.4 = -21/2+20/3 = -63+40 = -23 = 6$ $034 = -7/2.3+5/3.4^{2} = -7/2.4^{2} = -7/2.4^$

data 25.04. U P96 2) Construir a motriz A=(aij)3x2, para aij=f(i)+ F(J), onde F(x)= x+1. A= a11 a12 p/x=1 + f(1)=1+1=2 · A= 14 p/x=2+6(2)=2+1=3, az1 azz p/x=3 > c(3)=3+1=4, [031 032] 3×2 3xz QH = K(1)+K(1)= 2+2=4 a31= f(3)+f(1)=4+2=6, Q12= F(1)+F(2)=2+3=5, 921= x(2)+x(1)=3+2=5, 032=x(3)+x(2)=4+3=7 arz= x(2)+x(2)=3+3=6, 3+0 símbolo delta de Kronecker e definido por : 815=50, se i + J, construa a motriz A=(a)3x4, (1, se i=J para auj = 3i+ j = 815 A= Q11 Q12 Q13 Q14 6 Q21 Q22 Q23 Q24 131 A32 A33 A34 J3X4 9 Q11=31+J2,1=3,1+12,1=3+1,1=3+1=4 Q12=3i+J2.0=3.1+0=3. $0.13 = 3i + 5^{2}.0 = 3.5 + 0 = 3.$ $0.13 = 3i + 5^{2}.0 = 3.5 + 0 = 3.$ $0.14 = 3i + 5^{2}.0 = 3.5 + 0 = 3.$ Q21=31+52.0=3.2+0=6. 022=3i+J2.1=3.2+22.J=6+4=50 Q23=31+J2,0=3.2+0=6, 024= 3i+J2.0=3.2+0=6. 0.31 = 3.1 + 7.0 = 3.3 + 0 = 9.1 0.32 = 3.1 + 7.0 = 3.3 + 0 = 9.1033=3i+J2,J=3,3+32,J=9+9=18 039=3i+J20=3,3+0=9,

50	70
×50	, * 70
22500	64900
× 50	× 70
125000	343 000



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P97
4+ Seja A=(aij)100×100, onde aij=i3+2J+3.
Determinar 035, 9502, 91010, 079, 07060
Q35 = L=3, C=5;
035=13+2. J+3=33+2. 5+3=27+10+3=035=40,
a soz => L=SO, C=2;
asoz=i3+2. J+3=503+2.2+3=125000+7= asoz=125007,
Q1010 => L=10, C=10;
Quoso=13+2.J+3=103+2.10+3=1000+23=a1010=1023,
Q39 ⇒ L=3, C=9;
039 = 1^3 + 2.5 + 3 = 3^3 + 2.9 + 3 = 27 + 21 \Rightarrow 039 = 48
A 7060 > L= 70, C=60;
Q 7060 ⇒ ; 3+2. J+3 = 703+2.60+3 = 343000+123 ⇒ Q 7060 = 343123
St Construir a matriz A=(ass) 3x3, em que aij=
Si-T, Sei+T
lity, se i= J
A= a11 a12 a13
    azi azz azz
    La31 a32 a33 J3x3
Q11=1+J=1+1=2, | Q21=1-J=2-J=1 A Q31=1-J=3-J=2
a12=1-J=3-2=-J, a22=i+J=2+2=4 a32=1-J=3-2=1
a13=i-J=J-3=-2, a23=i-J= 2-3=-1, a33=i+J=3+3=6
6) Escreva em forma de tabela a matriz A= (a15)3x3;
poura ouj= 52, se élj
```



pgg and

A= [2x 3Y] e B= 4 -9 Z+t 6] 2xz
Z+t 6 2x2 [1 2Z]2x2
S S LS LS (L-1-P-1-P-1-P-1-P-1-P-1-P-1-P-1-P-1-P-1-
a11 = 2x=4/ a12 = 3y=-9 \ a21 = Z+t=1
X = 4 $Y = -9$ $3+t=1$
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
$\begin{array}{c c} \hline x=2 \\ \hline \end{array} \qquad \begin{array}{c c} \hline y=-3 \\ \hline \end{array} \qquad \begin{array}{c c} \hline t=-2 \\ \hline \end{array}$
b = 2 = 1
022 = 27 = 6 7 = 6 7 (7 = 3)
25
A= [2.2 3.(-3)] = B= [4 -9]
$A = \begin{bmatrix} 2.2 & 3.(-3) \end{bmatrix} = B = \begin{bmatrix} 4 & -9 \\ 5 & 2.3 \end{bmatrix} = X^2$
11 4-4.634
9) Determinar os valores de x para que A=B.
- A mo over of a vist ab amount to have milled to
$A = \begin{bmatrix} x^2 - 6x + 9 & 0 \\ x^2 - 3x - 4 & J \end{bmatrix}_{2x2} e B = \begin{bmatrix} J & 0 \\ 0 & J \end{bmatrix}_{2x2}$
$\begin{bmatrix} x - 3x - 4 \end{bmatrix} \begin{bmatrix} 2x2 \end{bmatrix} \begin{bmatrix} 0 \end{bmatrix} \begin{bmatrix} 3 \end{bmatrix} \begin{bmatrix} 2x2 \end{bmatrix}$
· Observato · Ac coizes lou le des duce e aun este de
*Observação: As ronzes iguais das duas equações de Segundo gran sera o volor de x na resposta.
Segundo gran sora s vonor of h ra resposia.
$x^{2}-6x+9=1 \Rightarrow x^{2}-6x+9-1 \Rightarrow x^{2}-6x+8=0$
10=62-4.a.c 1
a=J D=(-6)2-4.5.8 X=+6-74=+6-7=4=×5=2
$a=J$ $\Delta=(-6)^2-4.5.8$ $X_3=+6-\sqrt{4}=+6-7=4 \Rightarrow x_3=2$ $b=-6$ $\Delta=36-32$ Z Z Z
$C=8 \land =4 \land >0$
$X_{2}=-6+\sqrt{4}$ $X_{2}=+6+2=8 \Rightarrow x_{2}=4$ $X_{3}=-6+\sqrt{4}$ $Z_{3}=2$ $Z_{3}=2$
X1,2=-6-701 ZJ Z Z
2.0

Pg 10

Pg	70
X2-3x-4=0	
1 D= 62-40a.c	$X_1 = +3 - \sqrt{25} = 3 - 5 \Rightarrow X_1 = -2 = -1$
a=1 1= (-3)2-4.1.6-4	2.1 2 2
6=-3 D=9+16	
C=-4 D= 25 D>0	X2=+3+V25=3+5=8=>X2=4
	2.5 2 2
-X1,2=-6+V1	
2,0	* Para que A=B, em ambos os casos, o valor de X é Igual a 4.
	Casos, o valor de X e Igual a 7.
1- [42 (419 0]	$= R_{\alpha}\Gamma_{1}$ 07
$A = \begin{bmatrix} 4^2 - 6.4 + 9 & 0 \\ 4^2 - 3.4 - 4 & 5 \end{bmatrix} z$	$= B = \begin{bmatrix} J & 0 \\ 0 & J \end{bmatrix} 2 \times 2$
10+ Determinar os valor	es de x, y, a e b para que A=B.
A = [2x + 3y	e B= [7 9]
[3x-y -2a+36]2	1x2 L-2 JJ J2x2
	1 (- 1)
$\frac{\int 2x + 3y = 7 \cdot 3}{\int 2x + 3y = 7 \cdot 3}$	55a-b=9.2 7-2a+3b=11.5
23x-y=-2, (-2)	(-Za+36-1) ,>
C(×194-21	510a-26=18 1
$\frac{36 \times +99 = 21}{1-6 \times +29 = 4}$	7-10a+156=SS+
0 11 4= 58	0+136=73
Y= 25)	6=73
	13
57x+34=7 .)	55a-b=9 .3 7-2a+3b=11 .1
73x-Y=-2 .3	(-2a+3b=1) .1
52x+3y=7 + 0 X=1	515a - 3b = 27 + 70 = 38
79x-3Y=-6) 11	(-20+36=1) 13/
JJX+0=1	J3a+0=38

Oi professora! Então, essa é uma das páginas do conteúdo que data 25 . 04 . 2 copiei do material da última aula... Aí, como ficou um espaço ao final da folha, decidi finalizar a lista de exercícios nesse espaço, pra não utilizar outra folha kkk. eliminar X +2x-2Y=6+ B= + Algumas vezes coisas ruins acontecem em nossas vidas para nos colocar na direção das melhores

coisas que poderiamos viver.

Sim, muito grata pelas palavras.

+ Continuação da questão 10:

 $A = \begin{bmatrix} 2 \cdot (1/1) + 3 \cdot (25/1) \\ 3 \cdot (1/1) - 1 \cdot (25/1) \end{bmatrix}$ $S \cdot (38/13) - 1 \cdot (73/13)$

$$= B = \begin{bmatrix} 7 & 9 \\ -2 & J \end{bmatrix} 2 \times 2$$