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Motematica 1-lista de Exercici	05

17 halacas materzas A=	110	-8	700	e	B=	7	10	1
17 Dadas as matrices A= determinar:	4	15	1			-14	9	1
accer regress;	-15	7	3×2			3	0]3x2

1.1) A-S.B=C

$$\begin{bmatrix}
1 & -8 \\
4 & 11 \\
-15 & 7
\end{bmatrix}
\begin{bmatrix}
(7.5) & (10.5) \\
(9.5) & = 4 \\
(0.5) & = 4
\end{bmatrix}
\begin{bmatrix}
35 & 50 \\
45 \\
-15 & 7
\end{bmatrix}
\begin{bmatrix}
(3.5) & (0.5) \\
(0.5) & = 4
\end{bmatrix}
\begin{bmatrix}
1 & -8 \\
-15 & 7
\end{bmatrix}
\begin{bmatrix}
35 & 50 \\
45 \\
-15 & 7
\end{bmatrix}$$

1.27B+7.A=C

T7	In	7	[(s.7)	(-8,7)	7	7	10	1	[7	-56	
1-14	9	+	(4,7)	(11.7)	=	-14	9	+	28	77	
3	0.		(-15.7)	(7.7)		13	0		1-105	49	100

27 Dada a motriz A=	[-]	3	7	
27.50mm or 110 110	9	5/4	-7	4
2.17 Para K=-7/5,	5	2	-2/7	3×3
2. j. Para K=-7/5, determinar: K. A		No. 12	- 8 1	34

$$K_{\bullet}A = (-1, -7/5) (3, -7/5) (7, -7/5) (9, -7/5) (5/4, -7/5) (-7, -7/5) (5, -7/5) (2, -7/5) (-2/7, -7/5)$$

$$K.A = 7/5 - 21/5 - 49/5 = 7/5 - 21/5 - 49/5$$

 $-63/5 - 35/20 + 49/5 = 63/5 - 7/4 + 49/5$
 $-35/5 - 14/5 + 14/35 = 7 - 14/5 + 14/35$

2.2) Para K=5, determinar: K. A

$$[4.4 = (-1.5)(3.5)(7.5)] = (-5)$$
 $[-5]$ $[$

3+ Escreva em forma de tabela a matriz A e B dadas por:

$$A = (a_{1j})_{2\times3}$$
, com $a_{1j} = -2 \cdot f(i) + f(j)$, com $f(x) = -x^2 + 3$
 $B = (b_{1j})_{2\times3}$, com $b_{1j} = -i^2 - (-j)^2$

$$\kappa(1) = -1^2 + 3 = -1 + 3 = 2$$
 $\kappa(2) = -2^2 + 3 = -9 + 3 = -6$

$$a_{11} = -2.2 + 2 = -4 + 2 = -2$$
 $a_{12} = -2.2 + (-1) = -4 - 1 = -5$
 $a_{13} = -2.2 + (-6) = -4 - 6 = -10$

$$02=-2.(-1)+2=2+2=4.$$

 $02=-2.(-1)+(-1)=2-1=1.$
 $02=-2.(-1)+(-6)=2-6=-4.$

$$A = \begin{bmatrix} -2 & -5 & -10 \\ 4 & 1 & -4 \end{bmatrix}_{2\times3}$$

simplificar

$$B = \begin{bmatrix} -2 & -5 & -10 \\ -5 & -8 & -13 \end{bmatrix} = 2 \times 3$$

623 = -22 - (-3)2 = -4-9 = -13, + leterminar

$$\begin{bmatrix}
-2 - 5 - 507 - [-2 - 5 - 50] = [6-2+2) & (-5+5) & (-50+10) \\
-5 - 8 - 53 & [4+5) & (5+8) & (-4+13)
\end{bmatrix}$$

$$= \begin{bmatrix}
0 & 0 & 0 \\
9 + 9 & 9
\end{bmatrix}$$

$$= \begin{bmatrix}
0 & 0 & 0 \\
9 + 9 & 9
\end{bmatrix}$$

$$= \begin{bmatrix}
0 & 0 & 0 \\
9 + 9 & 9
\end{bmatrix}$$

$$= \begin{bmatrix}
0 & 0 & 0 \\
9 + 9 & 9
\end{bmatrix}$$

$$\begin{bmatrix} -2 & -5 & -10 \end{bmatrix} - \begin{bmatrix} -2 & -5 & -10 \end{bmatrix} = \begin{bmatrix} (-2+2)(-5+5)(-10+10) \end{bmatrix} \\ -5 & -8 & -13 \end{bmatrix} \begin{bmatrix} 4 & 1 & -4 \end{bmatrix} \begin{bmatrix} (-5-4)(-8-1)(-8-1)(-13+4) \end{bmatrix}$$

$$= \begin{bmatrix} 0 & 0 & 0 \\ -9 & -9 & -9 \end{bmatrix}_{2\times3}, \begin{bmatrix} 0 & 0 & 0 \\ -9 & -9 & -9 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ -9 & -9 & -9 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ -9 & -9 & -9 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ -9 & -9 & -9 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ -9 & -9 & -9 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ -9 & -9 & -9 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ -9 & -9 & -9 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ -9 & -9 & -9 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ -9 & -9 & -9 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ -9 & -9 & -9 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ -9 & -9 & -9 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ -9 & -9 & -9 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ -9 & -9 & -9 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ -9 & -9 & -9 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}_{2\times3} \begin{bmatrix} 0 & 0$$

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