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Trabalho 05 Esuricos preparatorios
Aluna: Núnere Helen Matera: Col culo Numerica
5 6 5 10 1 67000
                      L2= L2-(4/5) Ls
 0 6/5 1 7 24000
                      13= L3-(315) L1
 0 17/5 1 4 121800
                     L4 = U4 - (3/5) L1
 6 17/5 2 6 1 31800
 5 6 5 10,67000

0 17/5 1 4 21800

0 6/5 1 7 24900
    1715 2 6 : 31 800
 0
                          1 63=23-(6/17) 22
 0 17/5 1 41 21800 L3=L3-(6
    0 1217 95/4/292500117
[00 ] 5 1 70.000
5 6 5 0 1 6700
0 17/5 1 4 1 21800
 0 0 12/27 95/17 (292500/7
                                64=64-(17/11)
 0 0 0 -73/12/18506/11
214 = 182500/73 = 2500
23 = (292500 - 95 * 2500) = 500
22= (109000-(5*5000)-(20*2500))=2000
21 = (6700 - (6 \times 200) - (5 \times 5000) - (25000)) = 1000
21 = 1000, x2 = 2000, x3 = 500
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(3) Matriet diagonal Brominante. Mutodo da Corres genoro usos tres fecto  $\begin{cases} 2x_1 + 3x_2 - 2x_3 = 57 \\ 2x_1 + 8x_2 - x_3 = 20 \end{cases}$ 33 = 1 (57 - 3×2 - 2×3) 22= 1 (20-221 - 23) x3 = = (-4-x1- 22) X1 = 5,7 - 013 = 2 9 201223 x2=2,5-0,25x1 110,528x3 23=-0,8-0,2211-0,0,272  $x_0 \begin{vmatrix} 0 \\ 0 \\ 0 \end{vmatrix} = \begin{bmatrix} 5, 1 \\ 2, 5 \\ -0, 18 \end{bmatrix}$ 5(4)  $\begin{bmatrix} 5,7\\2/5\\-0.8 \end{bmatrix}$  $(x_1^{(2)} = 5,7 - (0,3.2,5) - (6,2.-0,8)$ 2(2)=2,5-(0,25,5,7)-(0,125,-0,8)  $\chi_n = -0.18 - (0.2 \times 5.17) - (0.2 \times 2.5)$  $2^{3}\begin{bmatrix} 2 & 5 & 1 \\ 2 & 5 \\ -0 & 8 \end{bmatrix} \qquad 2^{2} = \begin{bmatrix} 5 & 1 & 1 \\ 0 & 9 & 75 \\ -2 & 9 & 9 \end{bmatrix}$ 

$$x_{1}^{(2)} = \frac{5}{145} - (0,15x_{2}^{2}) + (0,16x_{3}^{2})$$

$$x_{2}^{(2)} = \frac{2}{155} - (3,1425x_{3}) + (0,15x_{3})$$

$$x_{3}^{(2)} = -0,18 - (3,1425x_{3}) - (0,15x_{3})$$

$$x_{4}^{(2)} = \frac{2}{155} - \frac{2}{15} = \frac{2}{15} =$$