Gauss-Jordan 3×1-0.1×2-0.2×3=7.85 0.7x +7x2-0.3x = -19.3 0.3x, -0.2x2+10x3=71.4 3 -0.1 -0.2 7.85 F1/3 (1 -0.0333 -0.0667 2.6167 F2-07F, 1 -0.0333 -0.0667 26167 F2-07F, 0 -19.05 70. ENTO123 1 -0.0383 -0.0361 -3.0089 | F1+0.0523E2 | 1 0 -0.0679 | 2.5165 | -0.0361 -3.0089 | F5+0.19F2 | 0 0 1 -0.0561 -3.0089 | 70.0131 70.0432 70.79 0 -0.067925165 FT+0.0679F3 1 0 0 2.9914 1 1 -0.0361-3.0089 FE+0.0367F3 0 1 0 -27565 X1=2.9919 X2=-2.7565 X2=6.997 Factorización LU L21 - 0.7 -0.2333 F2-L21F1 0 7.0233 -0.2533 -0.1 -0.2 F3-L21F1 0 7.0233 -0.2533 F3-L21F1 0 -0.19 10.2 A-3-0.7-0.2 0.7-7-0.3 0.5-0.2 10 L32 - 932 - 0.027 F3-L32F3 0 7.033 -0.2533 = U L= L21 1
0 0 10.0132 Ly =B 7-7.85 0. 23347 + 42--19.3 0.233(7.85) + 42-49.3 1.82905+42--19.3 4--21.1317 0.141-0.0264= +13= +1.4 0.7(7.851-0.026(-27.1017)+13=+1.4 13=+20.0432 UX=Y 70.0432 = 6.947 - X3 10.0131x=70.0932 7 0533x2-0.5233X3=-51-1317 7:0533x2-0.5223(Pdd 1)=-51 1317 X5--54202 3x1-0.1x2-0.2x=7.85 3×1-011-2.75651-0.7(6.997)=7.85 ×1=2.9914 Gauss-Seidel X1=(7.85+0.7x2+0.2x3)/3 1=3 X = 1-74,3-0.7x7 +0.3x217 X1-17.8-540.7 (-2.7997) +0.2(7.0002))/3-2.9917 X= (71.4-0.3×,+0.1×3)/10 X1 - 1-193-0-1 (2.9917)+0.3 (7.0002)/7 =-2.7568 Valores miciales X, (0) =0, X2(0)=0, X2(0)=0 X3=(11,4-0,5(2,7917)+0.2(-2,7542))10-6,9997 X1- (7.85+0+0)/372.6767 1=4 x1-(7.15+0)1(-2.7568) +0.2(6.1947))/3-2.9914 X2-4-19.3+0.7(2.6167)+0)+72-3.0099 X1-17.3-0.7(2.9914)+0.3(6.9997)/7-12-7565 X3=(77)4-0315.6167)+0.51-3.008/17/10=2.0038 X5-41.4-0.512.4914)+0.2(-2.756511/10=6.9498 X=(+1/4+0.8(2.9906)+0.2(-2.79971)/10=7.0002 XXYMA