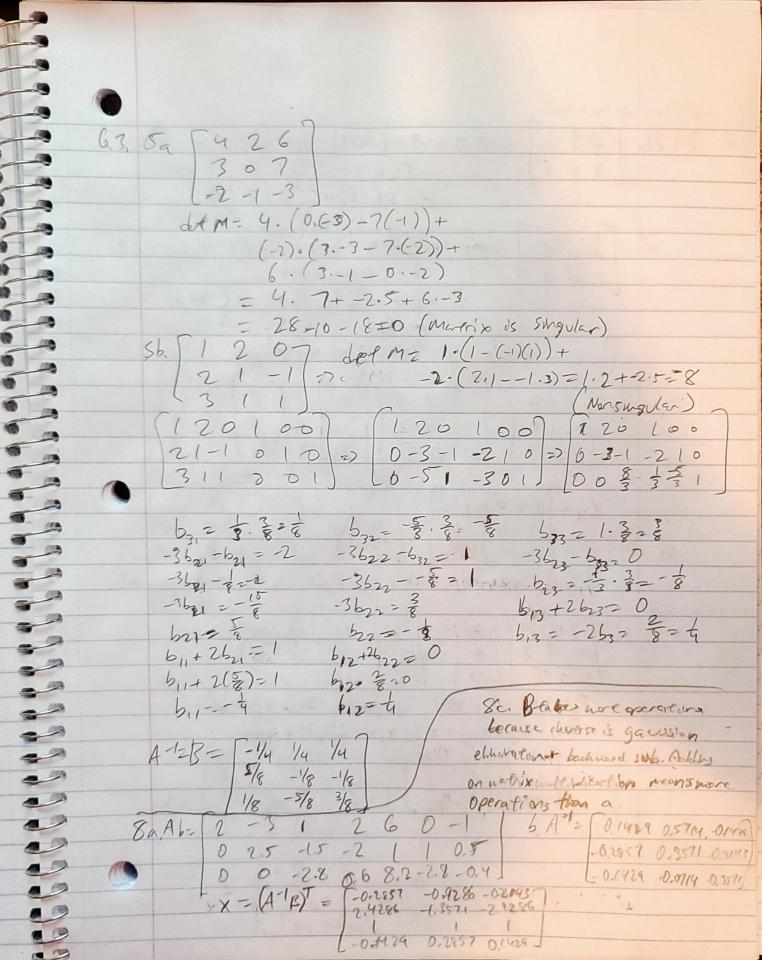
Typleder on boronthol Thorabises by the George Clara Cogester MA Z46 HW3, ¥ 1-677 2 1-18 Qui 121, p=1. 6.2. 8 1=P / (noswep) 5 1 -6 7 122,022 弘 子 36 1-19 Coo surap recessary ) 5 1 -6 7 no looks swaps recessary. 2dr [ -1 15 121, p21 ings 122 pr 2 12 -8-27 icp V I NO NOW Shaps well a sary 12 685 2 1 3 1 ) 0 4 2 3 0 3 1 2 ] a ash, 5, = 3,5228,53210 07 (a,1) 2 (ag) 4 (a,1,8) 5, 2 3 52 8 52 (0. Uz, 15 gradest, 8 vo row holorchaye.

S2 28 | 9 = 10 = 10. 7 - 3, so novaihachese No Now Merchanges 6, J= 9. S= 3, 92 = 8, 52 = 10. 0423 Does not charge from Chimnelia. (972) 4 (932) 6 EZES [2131 52 8 60 (0. EZES [2131 0423] Flyholisa to produce > 2 1 817 I now interchange needed (1 dr -3, 9, 2 3, 5, 2 2 8, 5, 2 10) 2 (31) (an) 2 (an) 4 (an) 6 27 0 4 2 3 3 3, 8 8, 10 10. 0-6 12 \[ \lag{1} \frac{4}{8} \lag{3,1} \frac{6}{5} \frac{12}{10} Quanda => (2/3/ 6-6/2) 0 0 8 13 3 ( now Interchange needed.



6.476 3221 doen 2 3. (2(-1)-4(1))-0+ 305 5(2.4-2.3) = 3(-6)+5(2)=-8 6 (12-1) doens 1. (4.-1-2.1)-2(1.-1-1.2)+
-1. (1.2-2.2) = -24-2.(-3)+-1(-4) sinsular when det = 0 = 1 x=6. 2a. [100] [2 1-1] [x,] [1]
[-210] [0 42 | x2 = 5
[-301] [0 55 | x3] = [-5] Ly 2 100 | Y1 | 7 | 0 | 301 | Y3 | 2 | 5 41=1, -24, +42= 6 => 42=2, 34+43=5=> 43= 38  $\begin{bmatrix}
2 & 1 & -1 \\
0 & 4 & 2 \\
0 & 0 & 5
\end{bmatrix}
\begin{bmatrix}
x_1 \\
x_2 \\
x_3 \\
-8
\end{bmatrix}$ 5×3-827 43= -85 4×2+2×3=2=> ×2= 100 

and a vector x of sizen &b Let there be an import vector bot size n, and a vector y of sizen, J. Stee 8 : 4 = 5 Step9: for 1= 2,3... n ;-1
Set Yi = Ii; [bi - \( \frac{1}{2}, \line \text{ lists} \) ] Slep 10. Xn= un Ru=1/3, du=1 Stor: Unz 1/2/13 - 3/2 U13 = -1/4/43 - -3/4

1 lu= 45/1 = 45 l31 = 2/5/1 = 2/5 Stp? 122 Store Prour = 922- = lylidaz = 93-lz/412=213-15.3/2 lu= 50, U2221 = 11 Sy 5: for ;= 3 123= los a23-los 412]= +[-2/3-2/5.(-2)]= 63 132= -10 [a32-los 412]= +[-2/3-2/5.3/2]= -19 133 133 - a33 - \( \frac{2}{411} \) = \( \frac{2}{8} - \frac{2}{15} - \frac{1}{14} - \frac{1}{15} \) \( \frac{63}{14} = \frac{24}{88} \) 1/2 /11 xe Stop 8. 4. - = 3 8.9: 42= en [ 2- 1/2] 43] - 32 [2-1/5.3] = 71 12= En 12-13, 4. - l3242) = 38 [-3-3/1. 13= En [63-13, 4. - l3242] = 241 [-3-3/1.

Suplo: x3 = 43 x3 = 241 = 56 X22 42 - 63 (56) 241 X22 241 X2 241 X2 241 X= 3- 3/2. = - (-3)(56) X12 - - 241 0-25 15 15 0-25 15 15 0-25 15 05 0-25 1  $\begin{bmatrix} 2 & 1 & 3 & 1 & 5 \\ 0 & 7.5 & 0.5 & 1.5 \\ 0 & 0 & 1 & 3 \\ 0 & 0 & 1 & 3 \\ 0 & 0 & 1 & 3 \\ 0 & 0 & 0 & 0 & -1 \\$ (yes, 126)132P2[0.001] | 000 1 0010 -) Pl= 0010 0100 | 0100 1000 (1=[1, 12=12,015r, 13=13-05r,-120 14-14-050-13-13 

000111000 12131 AzPeu= 0010 0.5100 0-2.505-1.5 65110 0013 0100 0.5/11/ 000-1 0000