Data Structures: Honework Ch.6

1) $2 \times + y - z = 8$ -3x - y + 2z = -11 -2x + y + 2z = -3 $= \begin{cases} 2 & 1 - 1 & 9 \\ -3 & -1 & 2 & -11 \\ -2x + y + 2z = -3 \end{cases}$ $= \begin{cases} 2 & 1 - 1 & 9 \\ -3 & -1 & 2 & -11 \\ 0 & -5 & 5 & -46 \end{cases}$ $= \begin{cases} 2 & 1 - 1 & 9 \\ 0 & 2 & 1 & 5 \end{cases}$ $= \begin{cases} 2 & 1 - 1 & 9 \\ 0 & -5 & 5 & -46 \\ 0 & 2 & 1 & 5 \end{cases}$ $= \begin{cases} 2 & 1 - 1 & 9 \\ 0$

U = \[2 | -1 \]
0-5 \[5 \]
0 0 15

X3= -67/15

 $(AL) (AGL) \rightarrow (GO) (G) \rightarrow (GO)$ $(AC) \rightarrow (GO)$

X2 = (-5 - 05/15)/-35 = 71/15

X1=(2+71/15+2)/8= -3/5

2) L= \[\begin{array}{c|c|c} 0 & 0 \\ -3 & 1 & 0 \\ 1 & 2 & 1 \end{array} \]

yz=-11-3(9) = -35 y = -3-35(2) +9 = -67

3) ALGORITHMS

91-8



