3-5

Ep: Find au LU Sactorization for [45].

[69]~[69]~U

 $\begin{bmatrix} 6 \\ 4 \end{bmatrix} \rightarrow \begin{bmatrix} \frac{9}{3} \end{bmatrix}$

C-13 -> C13

 $\begin{bmatrix} 2 & \frac{3}{3} & 1 \end{bmatrix}$

EE: Find on Ly Sactorization for [13 -8 -9]

$$\begin{bmatrix} -5 & 7 \\ 10 & 15 \end{bmatrix} \longrightarrow \begin{bmatrix} -7 & 7 \\ -3 & 7 \end{bmatrix}$$

Ep: Find on LU Sactorization for 18 -4 2 1 5 -4 1.

 $\begin{bmatrix} 3 \\ 1 \\ -6 \end{bmatrix} \longrightarrow \begin{bmatrix} 1 \\ \frac{1}{3} \\ -3 \end{bmatrix}$

[-14] -> [-7]

Ex: Find a LU factorization for 37-29 - 31-4. $\begin{bmatrix} 1 \\ 3 \\ -2 \\ -1 \end{bmatrix} -3 \begin{bmatrix} 3 \\ -2 \\ -1 \end{bmatrix} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 3 & 1 & 0 & 0 \\ -2 & -1 & 1 & 0 \\ -1 & -2 & 0 & 1 \end{bmatrix}$ 1-57-1 5-3-1 10-2

Ex: Find an Ly factorization for 3 5 -1 6 4 -8 . 1-7 1 -2 -2 -3 -3 -3