3/c

$Ly = Pb$

$$\begin{bmatrix} 1 & 0 & 0 \\ -3/5 & 1 & 0 \\ -1/5 & 3/11 & 1 \end{bmatrix}\begin{bmatrix} y_1 \\ y_2 \\ y_3 \end{bmatrix} = \begin{bmatrix} 1 & 0 & 0 \\ 0 & 0 & 1 \\ 0 & 1 & 0 \end{bmatrix}\begin{bmatrix} 0 \\ 1 \\ 5 \end{bmatrix} = \begin{bmatrix} 0 \\ 5 \\ 1 \end{bmatrix}$$

$y_1 = 0$

$y_2 = 5 + \frac{3}{5} \cdot 0 = 5 = y_2$

$y_3 = 1 - \frac{3}{11} \cdot 5 = \frac{1}{11} = y_3$

$$y = \begin{bmatrix} 0 \\ 5 \\ 1/11 \end{bmatrix}$$

$Ux = y$

$$\begin{bmatrix} -5 & 2 & -1 \\ 0 & 11/5 & 28/5 \\ 0 & 0 & 20/11 \end{bmatrix}\begin{bmatrix} x_1 \\ x_2 \\ x_3 \end{bmatrix} = \begin{bmatrix} 0 \\ 5 \\ 1/11 \end{bmatrix}$$

$x_3 = \frac{11}{20}\frac{1}{11} = \frac{1}{20} = x_3$

$x_2 = \left(5 - \frac{28}{5}\frac{1}{20}\right)\frac{5}{11} = 2.15 = x_2$

$x_1 = \left(\frac{1}{20} - 2 \cdot 2.15\right)\left(-\frac{1}{5}\right) = 0.85 = x_1$

$$x = \begin{bmatrix} 0.85 \\ 2.15 \\ 1/20 \end{bmatrix}$$