$$\begin{bmatrix} 1 & 0 & 0 & | & 1 \\ -3/10 & | & 0 & | & 0 \\ 1/10 & -4/2 & | & | & 0 \end{bmatrix}$$

$$U = 1$$

$$V = 3/10$$

$$W = -[1/10 - (4/27.3/10)] = -1/18$$

$$C = \begin{bmatrix} 1 \\ 3/10 \\ -1/18 \end{bmatrix}$$

$$501 \lor e \lor \overrightarrow{V}_1 = \overrightarrow{C}$$

$$\begin{bmatrix} 10 & 2 & -1/18 \\ 0 & -27/5 & |7/10 & |3/10 \\ 0 & 0 & |289/54 & |-1/18 \end{bmatrix}$$

$$\frac{289}{54} \times 3 = -1/18 = -\frac{3}{289}$$

$$-2 > /5 \times 2 + \frac{12}{10} \left(\frac{-3}{289}\right) = 3/10$$

$$-2 > \times 2 = \frac{22}{83} \rightarrow \times 2 = -1$$

$$\frac{3}{2} = \frac{3}{2}$$

501Ve LZ= ?

$$\begin{bmatrix} 1 & 0 & 0 & 0 & 0 \\ -3/10 & -4/27 & 1 & 0 & 1 \\ 1/10 & -4/27 & 1 & 0 & 1 \\ 0 & -4/27 & 1 & 0 & 1 \\ 0 & -4/27 & 1 & 0 & 1 \\ 0 & -27/5 & 17/10 & 1 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0 & 289/54 & 14/27 & 1 \\ 0 & 0$$

501Ve 2 2 = ;

$$\begin{bmatrix} 1 & 0 & 0 & 0 \\ -3/10 & 1 & 0 & 0 \\ 1/10 & -4/27 & 1 & 1 \end{bmatrix}$$

$$X_1 = 0$$

$$X_{1} = 0$$

$$X_{2} = 0$$

$$X_{3} = 1$$

$$Solve \quad U \quad X = C_{3}$$

$$\begin{array}{c} \times 3 = 54/289 \\ -27 \times 2 + \frac{17}{10} \left(\frac{54}{289} \right) = 0 \end{array}$$

$$Xz = \frac{1}{17}$$

$$\frac{7}{7} = \left(\frac{2}{289} \right) \frac{1}{17} \left(\frac{54}{289} \right)$$