$$Ax = 5$$

$$e^{x^2}$$

$$\begin{bmatrix} 8 & 2 & 3 \\ 3 & 4 & 4 \\ 3 & 2 & 3 \end{bmatrix} \begin{bmatrix} 1 \\ 2 \\ 1 \end{bmatrix}$$

$$\begin{bmatrix} 1 & 0 & 0 \\ 1 & 1 & 0 \\ 131 & 132 & 1 \end{bmatrix}, U = \begin{bmatrix} u_1 & u_{12} & u_{13} \\ 0 & u_{22} & u_{23} \\ 0 & 0 & u_{33} \end{bmatrix}$$

$$|2| = \frac{\alpha 21}{911} = \frac{5}{8} = 0.37$$

$$|3| = \frac{a31}{a11} = \frac{1}{8} = \frac{6}{12}$$

$$u_{12} = u_{12} - |z| \cdot u_{12} = 4 - 0.57 \cdot z = 3/2$$

$$423 = 423 - 121 \cdot 415 = 4-6/37 \cdot 3 = 3/8$$

$$132 = \frac{1}{312} (2 - 0/1 \cdot 2) = \frac{1}{3/2} = \frac{1}{3/2}$$

 $u_35 = 3u_33 + (31 - 413 + 132 - 423)$   $u_35 = 3 - (0112 - 3 + 015 - 218)$  = 3 - (0/3 + 1/5) = 3 - 19 = (70)

det(A) = det(L). det(V)

det(L) = 1

det(A) = 411.422.433 =

8.312.40 = 28
=