$$A := \begin{bmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \\ 7 & 8 & 9 \end{bmatrix} \qquad x := \begin{bmatrix} 1 \\ 2 \\ 3 \end{bmatrix}$$

$$\|A\| = 6.661 \cdot 10^{-16}$$

$$V := \text{lsolve}(A, x) \qquad V = \begin{bmatrix} -0.333 \\ 0.667 \\ 0 \end{bmatrix}$$

$$\text{V} \rightarrow \left(\begin{bmatrix} -\frac{1}{3} \\ \frac{2}{3} \\ 0 \end{bmatrix}, \begin{bmatrix} 1 \\ -2 \\ 1 \end{bmatrix} \right)$$

Any way to catch the vectors in V?

$V \rightarrow$ "Symbolic result is an invalid Prime expression"

$$\max(V) \rightarrow \max\left(\frac{2}{3}, \begin{bmatrix} 1 \\ -2 \\ 1 \end{bmatrix}, \right)$$

$$\text{V}^{\langle 0 \rangle} \rightarrow \left[\begin{bmatrix} -\frac{1}{3} \\ \frac{2}{3} \\ 0 \end{bmatrix}, \begin{bmatrix} 1 \\ -2 \\ 1 \end{bmatrix} \right]^{\langle 0 \rangle} \qquad \text{V}_{0,0} \rightarrow \left[\begin{bmatrix} -\frac{1}{3} \\ \frac{2}{3} \\ 0 \end{bmatrix}, \begin{bmatrix} 1 \\ -2 \\ 1 \end{bmatrix} \right]_{0,0}$$

$$\text{stack(V)} \rightarrow \left(\begin{bmatrix} -\frac{1}{3} \\ \frac{2}{3} \\ 0 \end{bmatrix}, \left[\begin{bmatrix} 1 \\ -2 \\ 1 \end{bmatrix} \right] \right) \qquad \text{augment(V, V)} \rightarrow \left[\begin{bmatrix} -\frac{1}{3} \\ \frac{2}{3} \\ 0 \end{bmatrix}, \begin{bmatrix} 1 \\ -2 \\ 1 \end{bmatrix} \begin{bmatrix} -\frac{1}{3} \\ \frac{2}{3} \\ 0 \end{bmatrix}, \begin{bmatrix} 1 \\ -2 \\ 1 \end{bmatrix} \right]$$