$$B = \begin{cases} 4 \\ 0 \\ 2 \\ 3 \end{cases}, \begin{cases} 0 \\ 2 \\ 3 \end{cases}, \begin{cases} 0 \\ 3 \\ 3 \end{cases}$$

$$Span(B) = \begin{cases} 3 \\ 0 \\ 0 \end{cases} + 3 \begin{cases} 2 \\ 3 \\ 0 \end{cases} + 4 \begin{cases} 2 \\ 3 \\ 0 \end{cases} + 4 \begin{cases} 0 \\ 0 \\ 3 \end{cases} + 4 \begin{cases} 0 \\ 0 \\ 3 \end{cases} + 4 \begin{cases} 0 \\ 0 \\ 3 \end{cases} + 4 \begin{cases} 0 \\ 0 \\ 0 \end{cases} + 4 \begin{cases} 0 \\ 0 \\ 3 \end{cases} + 4 \begin{cases} 0 \\ 0 \\ 0 \end{cases} + 4 \begin{cases} 0 \\ 0 \end{cases} + 4 \begin{cases} 0 \\ 0 \\ 0 \end{cases} + 4 \begin{cases} 0 \end{cases} + 4 \begin{cases} 0 \\ 0 \end{cases}$$

\$5 Span (B) =
$$\mathbb{R}^3$$
?

$$\begin{bmatrix} 4 & 0 & 0 \\ 0 & 3 & 0 \\ 0 & 2 & 0 \end{bmatrix}$$

$$\begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 1 & 0 \end{bmatrix}$$

$$\begin{bmatrix} 2 & 4 & 0 \\ 3 & 2 & 0 \\ 0 & 2 & 0 \end{bmatrix}$$

$$\begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 1 & 0 \end{bmatrix}$$

$$spans[9], [i] = x([i] + xu(o))$$

$$WRONG$$

$$A\bar{z} = \bar{b}$$

Rows: equations

 $A = \begin{bmatrix} a_{11} & a_{12} \\ a_{21} & a_{12} \end{bmatrix}$

anx1+9122=6

$$x_1 + x_2 = 3$$

$$x_1 + x_2$$

$$3$$

$$7$$
 $\frac{2}{5}$ $\frac{2}{5}$.

$$\begin{array}{c}
3 \text{ (o)} = \begin{bmatrix} 3 \\ 5 \end{bmatrix}. \\
3 \text{ (n)} = 3 \\
A = \begin{bmatrix} 0.77 & 0.25 \\ 0.25 & 0.37 \end{bmatrix}.
\end{array}$$

$$A \cdot \overrightarrow{S}(0) \cdot = \overrightarrow{S}(1)$$

$$A \cdot \overrightarrow{S}(1) = \overrightarrow{S}(2) = A \cdot A \cdot \overrightarrow{S}(0) = A^{2} \cdot \overrightarrow{S}(0).$$

$$A \cdot \overrightarrow{S}(n) = \overrightarrow{S}(n+1) A$$

$$=A\cdot (A\cdot s^2 ci)$$