110186060 Saidjon Nozimboeu S= { x Ep | x = 0} x + 0x2 - x3 + 2x4=0 X - X 3 + 2 x 4 = 0 4-1=3

$$S = \begin{cases} a-b \\ b-c \\ b-c \\ -a \end{cases} = \begin{cases} 1 \\ b-c \\ -1 \\ -1 \\ -1 \end{cases}$$

$$\begin{cases} a-b \\ b-c \\ -1 \\ -1 \\ -1 \end{cases}$$

$$\begin{cases} 1 \\ 1 \\ -1 \\ -1 \end{cases}$$

$$\begin{cases} 1 \\ 1 \\ -1 \\ -1 \end{cases}$$

$$\begin{cases} 1 \\ 1 \\ -1 \\ -1 \end{cases}$$

$$\begin{cases} 1 \\ 1 \\ -1 \\ -1 \end{cases}$$

$$A = \begin{bmatrix} 1 & 2 \\ 2 & 6 \end{bmatrix}$$

$$\begin{array}{c|c}
A = 1 & 2 \\
A = 2 & 6
\end{array}$$

$$-1$$
  $\begin{bmatrix} 1 & 2 & 1 & 0 \end{bmatrix} R_2 - 2R_1$ 

$$A^{-1} = \begin{bmatrix} 1 & 0 & 3 & -1 \\ 0 & 1 & -1 & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 3 & -1 \\ -1 & \frac{1}{2} \end{bmatrix}$$

B = (A2)-1 BA2 = I BA AT = A Thus, BA is the inverse of A.





