



$$X = -4 A + 4 B - C$$

$$\begin{pmatrix} 0 - 8 & 4 \\ 4 - 4 - 4 \end{pmatrix} + \begin{pmatrix} 1 & 9 & 0 \\ -2 - 8 & 7 \\ -3 - 2 & 9 \end{pmatrix} = \begin{pmatrix} 1 - 2 & 4 \\ 3 - 5 - 3 \\ -6 & 14 - 3 \end{pmatrix} = K$$

$$9 \quad D = -A - 5 B - 4 C$$

$$-A = \begin{pmatrix} -8 & 9 & 0 \\ 3 - 3 - 8 \\ -8 & 2 & 0 \end{pmatrix} - 5B = \begin{pmatrix} -5 & 9 & 0 \\ 0 - 3 & 0 \\ -8 & 2 & 0 \end{pmatrix} - 4C \begin{pmatrix} 4 & 1 \\ 0 & 1 \\ 1 & 2 & 0 \end{pmatrix}$$

$$Q = \begin{pmatrix} -10 & 3 & 10 \\ 3 & -8 & 8 \\ 3 & 16 & -33 \end{pmatrix}$$

$$Q = \begin{pmatrix} -10 & -3 & 18 \\ 3 & -12 & 12 \\ 3 & 24 & -53 \end{pmatrix}$$