

Isilah titik-titik berikut ini untuk menentukan adjoin matriks C berordo 3×3 berikut:

$$C = \begin{pmatrix} a & b & c \\ d & e & f \\ g & h & i \end{pmatrix} = \begin{pmatrix} 1 & 2 & 4 \\ 3 & 4 & 2 \\ 2 & 2 & 1 \end{pmatrix}$$

$$K_{11} = (-1)^{1+1} \times M_{11} = (-1)^2 \times \begin{vmatrix} e & f \\ h & i \end{vmatrix} = 1 \times (4 \times 1 - 2 \times 2) = \dots$$

$$K_{12} = (-1)^{1+2} \times M_{12} = (-1)^3 \times \begin{vmatrix} d & f \\ g & i \end{vmatrix} = -1 \times (3 \times 1 - 2 \times 2) = \dots$$

$$K_{13} = (-1)^{1+3} \times M_{13} = (-1)^4 \times \begin{vmatrix} d & e \\ g & h \end{vmatrix} = 1 \times (\dots \times 2 - \dots \times 2) = \dots$$

$$K_{21} = (-1)^{2+1} \times M_{21} = (-1)^3 \times \begin{vmatrix} b & c \\ \dots & \dots \end{vmatrix} = \dots$$

$$K_{22} = (-1)^{2+2} \times M_{22} = (-1)^4 \times \begin{vmatrix} a & c \\ g & i \end{vmatrix} = \dots$$

$$K_{23} = (-1)^{2+3} \times M_{23} = (-1)^5 \times \begin{vmatrix} a & b \\ g & h \end{vmatrix} = -1 \times (ah - bg) = \dots$$

$$K_{31} = (-1)^{3+1} \times M_{31} = (-1)^4 \times \begin{vmatrix} b & c \\ e & f \end{vmatrix} = \dots$$

$$K_{32} = (-1)^{3+2} \times M_{32} = (-1)^5 \times \begin{vmatrix} a & c \\ d & f \end{vmatrix} = \dots$$

$$K_{33} = (-1)^{3+3} \times M_{33} = (-1)^6 \times \begin{vmatrix} a & b \\ d & e \end{vmatrix} = 1 \times (ae - bd) = \dots$$

Kemudian isilah matriks berikut dengan transpose dari kofaktor-kofaktor tersebut:

$$\text{Adj } A = \begin{pmatrix} K_{11} & K_{12} & K_{13} \\ K_{21} & K_{22} & K_{23} \\ K_{31} & K_{32} & K_{33} \end{pmatrix} = \begin{pmatrix} \dots & \dots & \dots \\ \dots & \dots & \dots \\ \dots & \dots & \dots \end{pmatrix}$$