$$C = \begin{bmatrix} -a & 2b & \times \\ 2c - 1 & \gamma & -d \\ e - \gamma & \times + c & b + \gamma \end{bmatrix}. \text{ Jiha } A^{T} = B, \text{ make tentules } (C^{T})^{T}(B^{T}A) \mid A^{T} = B$$

Tentulian nulai a jung memenuhi
$$\begin{vmatrix} 1 & 2 & a & 1 \\ 2 & 1 & a & -a \\ 0 & 1 & 1 & 2 \\ 1 & 0 & 2 & -a \end{vmatrix} = 5a$$

3. Tentuhan solusi dari SPI berihut dengan menggunahan salah satu metode yang anda ketahui.

$$2 \times -4 \times +2 = 6$$
 $-4 \times +3 = -1$
 $\times -2 = 3$

4. Pada skola 07. -1007., berapa skola kejujuran anda dalam mengerjakan soal kuis ini!

Longhah pengerjaan di halaman berikutnya...

1.
$$A^{\uparrow} = B$$

$$\begin{bmatrix} 1 \circ -1 \\ 2 -1 & 2 \end{bmatrix} = \begin{bmatrix} x & x + y & y + 2 \\ z - a & b & b + 2c \\ x + d & y - e & e + f \end{bmatrix}$$

$$x = 1$$
 $2 - a = 2$
 $x + d = 3$
 $x + y = 0$
 $a = -2$
 $y = -1$
 $y - e = 1$
 $y + 2 = -1$
 $b + 2c = 2$
 $e + 5 = -2$
 $c = 3/2$
 $c = 3/2$

$$C = \begin{bmatrix} -\alpha & 2b & \times \\ 2c-1 & \gamma & -d \\ \ell-\gamma & \times+c & b+\gamma \end{bmatrix} = \begin{bmatrix} 2 & -2 & 1 \\ 2 & -1 & -2 \\ -1 & \frac{5}{2} & -2 \end{bmatrix}$$

C-1 ;

$$|(|=(2.4.-2)+(-2.-2.-1)+(1.2.5/2)-(1.-1.-1)-(-2.2.-2)-(2--2.5/2)$$

$$|(|=(2.4.-2)+(-2.-2.-1)+(1.2.5/2)-(1.-1.-1)-(-2.2.-2)-(2--2.5/2)$$

$$|(|=(2.4.-2)+(-2.-2.-1)+(1.2.5/2)-(1.-1.-1)-(-2.2.-2)-(2--2.5/2)$$

$$C_{c} = \begin{bmatrix} C_{11} & C_{12} & C_{13} \\ C_{21} & C_{22} & C_{23} \\ C_{31} & C_{32} & C_{33} \end{bmatrix} = \begin{bmatrix} M_{11} & -M_{12} & M_{13} \\ -M_{21} & M_{21} & -M_{23} \\ M_{31} & -M_{32} & M_{33} \end{bmatrix} = \begin{bmatrix} 7 & 6 & 9 \\ -\frac{3}{2} & -3 & -3 \\ 5 & 6 & 2 \end{bmatrix}$$

$$C_{c}^{\dagger} = ad_{J}(c) = \begin{bmatrix} 7 & -\gamma_{2} & 5 \\ 6 & -\gamma & 6 \\ 4 & -3 & 2 \end{bmatrix}$$

$$C' = \frac{1}{11} \cdot adj(c) = \frac{1}{6} \begin{bmatrix} 7 & -\frac{1}{2} & 5 \\ 6 & -3 & 6 \\ 9 & -3 & 2 \end{bmatrix} = \begin{bmatrix} \frac{7}{6} & -\frac{1}{9} & \frac{5}{6} \\ 1 & -\frac{1}{2} & 1 \\ \frac{2}{3} & -\frac{1}{2} & \frac{1}{3} \end{bmatrix}$$

$$a_{3i} C_{3i} + a_{32} C_{32} + a_{33} C_{33} + a_{34} C_{34} = 5a$$

$$0.M_{3i} - 1.M_{32} + 1.M_{33} - 2M_{34} = 5a$$

$$-1.\begin{vmatrix} 1 & a & 1 \\ 2 & a & -a \\ 1 & 2 & -4 \end{vmatrix} + \begin{vmatrix} 1 & 2 & 1 \\ 2 & 1 & -a \\ 1 & 0 & -a \end{vmatrix} - 2\begin{vmatrix} 1 & 2 & a \\ 2 & 1 & a \\ 1 & 0 & 2a \end{vmatrix} = 5a$$

$$-(a+4)+(a-1)-2(a-1)=59$$

$$-a - 4 + a - 1 - 2a + 12 = 5a$$

3.
$$\begin{bmatrix} 2 & -4 & 1 \\ -4 & 0 & 3 \\ 0 & 1 & -1 \end{bmatrix} \begin{bmatrix} x \\ y \\ z \end{bmatrix} = \begin{bmatrix} 6 \\ -1 \\ 3 \end{bmatrix}$$

Metode crammer:

$$D_{x=2} \begin{vmatrix} 6 & -4 & 1 \\ -7 & 0 & 3 \end{vmatrix} = (6.0.-1) + (-4.3.3) + (1.-1.1) - (1.0.3) - (-9.-1.-1) - (6.3.1)$$

$$D_{3} = \begin{vmatrix} 2 & 6 & 1 \\ -4 & -1 & 3 \\ 0 & 3 & -1 \end{vmatrix} = (2.-1.-1) + (6.3.0) + (1.-4.3) - (1.-1.0) - (6.-4.7) - (2.3.3)$$

$$\mathcal{O}_{2} = \begin{vmatrix} 1 - 4 & b \\ -4 & 0 & -1 \\ 0 & 1 & 3 \end{vmatrix} = (1.0.3) + (4.1.0) + (6.4.1) - (6.0.0) - (4.4.3) - (2.4.1)$$

$$x = \frac{\rho_x}{\rho} = \frac{-6!}{2} \approx \frac{17}{2}$$

$$2 = \frac{\rho_2}{0} = \frac{-70}{6} = \frac{35}{3}$$