$9x - 2y + 5z = 2$

$8x + 4y - 5z = 5$

$2x - 9y - 3z = 0$

$$x = \frac{|x|}{|6|} = \begin{vmatrix} 2 & -2 & 5 \\ 5 & 4 & -5 \\ 0 & -9 & -3 \end{vmatrix}$$

$$y = \frac{|y|}{|6|} = \begin{vmatrix} 9 & 2 & 5 \\ 8 & 5 & -5 \\ 2 & 0 & -3 \end{vmatrix}$$

$$z = \frac{|z|}{|6|} = \begin{vmatrix} 9 & -2 & 2 \\ 8 & 4 & 5 \\ 2 & -9 & 0 \end{vmatrix}$$

$$y = \begin{vmatrix} 9 & -2 & 5 \\ 8 & 4 & -5 \\ 2 & -9 & -3 \end{vmatrix}$$

Colector

$$x = \begin{vmatrix} 2 & -2 & 5 \\ 5 & 4 & -5 \\ 0 & -9 & -3 \end{vmatrix} = 2\begin{vmatrix} 4 & -5 \\ -9 & -3 \end{vmatrix} - 5\begin{vmatrix} -2 & 5 \\ -9 & -3 \end{vmatrix} + \cancel{0}$$

$$2(-12-45) - 5(0+45)$$

$$-114 - 255$$

$$-369$$

Colec → $y = \begin{vmatrix} 9 & 2 & 5 \\ 8 & 5 & -5 \\ 2 & 0 & -3 \end{vmatrix} = 9\begin{vmatrix} 5 & -5 \\ 0 & -3 \end{vmatrix} - 2\begin{vmatrix} 8 & -5 \\ 2 & -3 \end{vmatrix} + 5\begin{vmatrix} 8 & 5 \\ 2 & 0 \end{vmatrix}$

$$9(-15) - 2(-24+10) + 5(0-10)$$

$$-135 + 28 - 50$$

$$-157$$

Colec → $z = \begin{vmatrix} 9 & -2 & 2 \\ 8 & 4 & 5 \\ 2 & -9 & 0 \end{vmatrix} = 9\begin{vmatrix} 4 & 5 \\ -9 & 0 \end{vmatrix} + 2\begin{vmatrix} 8 & 5 \\ 2 & 0 \end{vmatrix} + 2\begin{vmatrix} 8 & 4 \\ 2 & -9 \end{vmatrix}$

$$9(0+45) + 2(0-10) + 2(-72-8)$$

$$405 + (-20) - 160$$

$$225$$

Cofactor → $|6| = \begin{vmatrix} 9 & -2 & 5 \\ 8 & 4 & -5 \\ 2 & -9 & -3 \end{vmatrix} = -8\begin{vmatrix} -2 & 5 \\ -9 & -3 \end{vmatrix} + 4\begin{vmatrix} 9 & 5 \\ 2 & -3 \end{vmatrix} + 5\begin{vmatrix} 9 & -2 \\ 2 & -9 \end{vmatrix}$

$-8(6+45) + 4(-27-10) + 5(-81+4)$

$-408 + (-148) - 385$

-941

$x = \frac{|x|}{|6|} = \frac{|-369|}{|-941|} = 0,39$

$y = \frac{|y|}{|6|} = \frac{|-157|}{|-941|} = 0,16$

$z = \frac{|z|}{|6|} = \frac{|225|}{|-941|} = -0,23$