

RESUELVE EL SIGUIENTE SISTEMA DE ECUACIONES

$$9x + 3y - 4z = 8$$

$$3x + y - 2z = 15$$

$$2x - 3y + 2z = 14$$

1° Paso: Forma las matrices:

=

2° Paso: Plantear las determinantes para cada variable.

X =

y =

z =

3° Paso: Calcular las determinantes y los valores de cada variable.

X =

X =

X =

3° Paso: Calcular las determinantes y los valores de cada variable.

$y = \frac{\begin{vmatrix} \square & \square & \square \\ \square & \square & \square \\ \square & \square & \square \end{vmatrix}}{\begin{vmatrix} \square & \square & \square \\ \square & \square & \square \\ \square & \square & \square \end{vmatrix}}$

$y = \frac{\square}{\square}$

$y = \square$

3° Paso: Calcular las determinantes y los valores de cada variable.

The diagram illustrates the reduction of a 3x3x3 matrix to a 2x2 matrix. On the left, a 3x3x3 matrix is shown with a horizontal line separating the top and bottom layers. The top-right element of the top layer is highlighted in green. Two blue arrows point to a 2x2 matrix in the middle, which has the top-right element highlighted in green. A third blue arrow points to a single green box on the right, representing the final result.