

## Systèmes Linéaires (H)

Trouvez les solutions des systèmes d'équations suivants.

$$\begin{aligned}1. \quad & -2c - 5u - 2v = 41 \\& 4u - 4v = -4 \\& -4c + 6u = -14\end{aligned}$$

$$\begin{aligned}5. \quad & -b + 2c + 6v = 23 \\& 4b - c + 4v = 6 \\& 6b - 3c + 6v = 12\end{aligned}$$

$$\begin{aligned}2. \quad & -3a + 6b - z = 12 \\& 2a - 2b + 5z = 11 \\& -2a - 2b - 4z = -20\end{aligned}$$

$$\begin{aligned}6. \quad & 2a - 3y + 3z = 22 \\& -3a + 5y - 5z = -37 \\& 2a + 5z = 13\end{aligned}$$

$$\begin{aligned}3. \quad & -4b + 3y + z = 9 \\& -4b - 4y + 6z = -16 \\& 6b - y + 5z = 17\end{aligned}$$

$$\begin{aligned}7. \quad & 3c + 5x + 5z = 8 \\& 4c - 2x - z = 28 \\& 6c - 3x + 5z = 42\end{aligned}$$

$$\begin{aligned}4. \quad & 3c - 3v + 5z = 19 \\& -4c + 5v - 3z = -17 \\& -4c - 4v - 5z = -30\end{aligned}$$

$$\begin{aligned}8. \quad & -2c - 5y + 4z = -42 \\& -c + 3y - 4z = 31 \\& 3c - 3y - 4z = 11\end{aligned}$$

## Systèmes Linéaires (H) Solutions

Trouvez les solutions des systèmes d'équations suivants.

$$\begin{aligned}1. \quad & -2c - 5u - 2v = 41 \\& 4u - 4v = -4 \\& -4c + 6u = -14 \\& \textcolor{red}{c = -4, u = -5, v = -4}\end{aligned}$$

$$\begin{aligned}5. \quad & -b + 2c + 6v = 23 \\& 4b - c + 4v = 6 \\& 6b - 3c + 6v = 12 \\& \textcolor{red}{b = -3, c = -2, v = 4}\end{aligned}$$

$$\begin{aligned}2. \quad & -3a + 6b - z = 12 \\& 2a - 2b + 5z = 11 \\& -2a - 2b - 4z = -20 \\& \textcolor{red}{a = 1, b = 3, z = 3}\end{aligned}$$

$$\begin{aligned}6. \quad & 2a - 3y + 3z = 22 \\& -3a + 5y - 5z = -37 \\& 2a + 5z = 13 \\& \textcolor{red}{a = -1, y = -5, z = 3}\end{aligned}$$

$$\begin{aligned}3. \quad & -4b + 3y + z = 9 \\& -4b - 4y + 6z = -16 \\& 6b - y + 5z = 17 \\& \textcolor{red}{b = 2, y = 5, z = 2}\end{aligned}$$

$$\begin{aligned}7. \quad & 3c + 5x + 5z = 8 \\& 4c - 2x - z = 28 \\& 6c - 3x + 5z = 42 \\& \textcolor{red}{c = 6, x = -2, z = 0}\end{aligned}$$

$$\begin{aligned}4. \quad & 3c - 3v + 5z = 19 \\& -4c + 5v - 3z = -17 \\& -4c - 4v - 5z = -30 \\& \textcolor{red}{c = 4, v = 1, z = 2}\end{aligned}$$

$$\begin{aligned}8. \quad & -2c - 5y + 4z = -42 \\& -c + 3y - 4z = 31 \\& 3c - 3y - 4z = 11 \\& \textcolor{red}{c = 1, y = 4, z = -5}\end{aligned}$$