

Systèmes Linéaires (I)

Trouvez les solutions des systèmes d'équations suivants.

$$\begin{aligned}1. \quad & 3a + 2c + 5v = 17 \\& 6a + 3c + 4v = 20 \\& 2a + 2c + 5v = 16\end{aligned}$$

$$\begin{aligned}5. \quad & 3b + 5c + 6v = 57 \\& 4b + 5c + 4v = 51 \\& 5b + 2c + 5v = 51\end{aligned}$$

$$\begin{aligned}2. \quad & u + 3y + 5z = 53 \\& 5u + 6y + 3z = 79 \\& u + 4y + 3z = 47\end{aligned}$$

$$\begin{aligned}6. \quad & 2b + 6v + 2z = 38 \\& 3b + 5v + 3z = 41 \\& 3b + 3v + 6z = 48\end{aligned}$$

$$\begin{aligned}3. \quad & 2a + 4c + 6z = 30 \\& 4a + 3c + z = 28 \\& 3a + 3c + 5z = 31\end{aligned}$$

$$\begin{aligned}7. \quad & 3c + 4v + 5z = 42 \\& 3c + 4v + 4z = 38 \\& c + 3v + z = 13\end{aligned}$$

$$\begin{aligned}4. \quad & 6a + 5b + v = 47 \\& 5a + 3b + 4v = 46 \\& 4a + 2b + v = 26\end{aligned}$$

$$\begin{aligned}8. \quad & 2a + 6u + 4v = 32 \\& 5a + 4u + 3v = 41 \\& 6a + 5u + 2v = 43\end{aligned}$$

Systèmes Linéaires (I) Solutions

Trouvez les solutions des systèmes d'équations suivants.

$$\begin{aligned}1. \quad & 3a + 2c + 5v = 17 \\& 6a + 3c + 4v = 20 \\& 2a + 2c + 5v = 16 \\& \textcolor{red}{a = 1, c = 2, v = 2}\end{aligned}$$

$$\begin{aligned}5. \quad & 3b + 5c + 6v = 57 \\& 4b + 5c + 4v = 51 \\& 5b + 2c + 5v = 51 \\& \textcolor{red}{b = 4, c = 3, v = 5}\end{aligned}$$

$$\begin{aligned}2. \quad & u + 3y + 5z = 53 \\& 5u + 6y + 3z = 79 \\& u + 4y + 3z = 47 \\& \textcolor{red}{u = 5, y = 6, z = 6}\end{aligned}$$

$$\begin{aligned}6. \quad & 2b + 6v + 2z = 38 \\& 3b + 5v + 3z = 41 \\& 3b + 3v + 6z = 48 \\& \textcolor{red}{b = 2, v = 4, z = 5}\end{aligned}$$

$$\begin{aligned}3. \quad & 2a + 4c + 6z = 30 \\& 4a + 3c + z = 28 \\& 3a + 3c + 5z = 31 \\& \textcolor{red}{a = 5, c = 2, z = 2}\end{aligned}$$

$$\begin{aligned}7. \quad & 3c + 4v + 5z = 42 \\& 3c + 4v + 4z = 38 \\& c + 3v + z = 13 \\& \textcolor{red}{c = 6, v = 1, z = 4}\end{aligned}$$

$$\begin{aligned}4. \quad & 6a + 5b + v = 47 \\& 5a + 3b + 4v = 46 \\& 4a + 2b + v = 26 \\& \textcolor{red}{a = 3, b = 5, v = 4}\end{aligned}$$

$$\begin{aligned}8. \quad & 2a + 6u + 4v = 32 \\& 5a + 4u + 3v = 41 \\& 6a + 5u + 2v = 43 \\& \textcolor{red}{a = 5, u = 1, v = 4}\end{aligned}$$