

Systèmes Linéaires (D)

Trouvez les solutions des systèmes d'équations suivants.

$$\begin{aligned}1. \quad & 3u + 4y + 4z = 50 \\& 2u + 4y + 4z = 48 \\& 2u + 3y + 6z = 55\end{aligned}$$

$$\begin{aligned}5. \quad & 6a + b + 2u = 42 \\& 4a + 5b + 2u = 40 \\& a + 6b + 3u = 32\end{aligned}$$

$$\begin{aligned}2. \quad & 3b + 5u + 2z = 44 \\& 5b + 4u + 2z = 49 \\& b + 3u + 2z = 24\end{aligned}$$

$$\begin{aligned}6. \quad & 2u + 6x + 3z = 22 \\& 3u + x + 6z = 28 \\& 3u + 6x + z = 23\end{aligned}$$

$$\begin{aligned}3. \quad & 5c + 3x + 6y = 58 \\& 2c + 2x + 2y = 26 \\& 2c + 3x + 5y = 40\end{aligned}$$

$$\begin{aligned}7. \quad & 4b + 6c + 3y = 38 \\& 4b + 6c + y = 30 \\& 5b + 4c + 5y = 49\end{aligned}$$

$$\begin{aligned}4. \quad & 5b + 4c + 5y = 53 \\& b + c + 4y = 20 \\& b + 5c + 6y = 34\end{aligned}$$

$$\begin{aligned}8. \quad & 3x + 4y + 2z = 36 \\& 3x + 2y + 3z = 31 \\& 4x + 2y + 2z = 28\end{aligned}$$

Systèmes Linéaires (D) Solutions

Trouvez les solutions des systèmes d'équations suivants.

$$\begin{aligned}1. \quad & 3u + 4y + 4z = 50 \\& 2u + 4y + 4z = 48 \\& 2u + 3y + 6z = 55 \\& \textcolor{red}{u = 2, y = 5, z = 6}\end{aligned}$$

$$\begin{aligned}5. \quad & 6a + b + 2u = 42 \\& 4a + 5b + 2u = 40 \\& a + 6b + 3u = 32 \\& \textcolor{red}{a = 5, b = 2, u = 5}\end{aligned}$$

$$\begin{aligned}2. \quad & 3b + 5u + 2z = 44 \\& 5b + 4u + 2z = 49 \\& b + 3u + 2z = 24 \\& \textcolor{red}{b = 5, u = 5, z = 2}\end{aligned}$$

$$\begin{aligned}6. \quad & 2u + 6x + 3z = 22 \\& 3u + x + 6z = 28 \\& 3u + 6x + z = 23 \\& \textcolor{red}{u = 5, x = 1, z = 2}\end{aligned}$$

$$\begin{aligned}3. \quad & 5c + 3x + 6y = 58 \\& 2c + 2x + 2y = 26 \\& 2c + 3x + 5y = 40 \\& \textcolor{red}{c = 5, x = 5, y = 3}\end{aligned}$$

$$\begin{aligned}7. \quad & 4b + 6c + 3y = 38 \\& 4b + 6c + y = 30 \\& 5b + 4c + 5y = 49 \\& \textcolor{red}{b = 5, c = 1, y = 4}\end{aligned}$$

$$\begin{aligned}4. \quad & 5b + 4c + 5y = 53 \\& b + c + 4y = 20 \\& b + 5c + 6y = 34 \\& \textcolor{red}{b = 6, c = 2, y = 3}\end{aligned}$$

$$\begin{aligned}8. \quad & 3x + 4y + 2z = 36 \\& 3x + 2y + 3z = 31 \\& 4x + 2y + 2z = 28 \\& \textcolor{red}{x = 2, y = 5, z = 5}\end{aligned}$$