

Systèmes Linéaires (A)

Trouvez les solutions des systèmes d'équations suivants.

$$\begin{aligned} 1. \quad -u - 2x &= 5 \\ 6u &= -18 \end{aligned}$$

$$\begin{aligned} 5. \quad 2u + 2y &= -2 \\ 4u &= 16 \end{aligned}$$

$$\begin{aligned} 2. \quad -4c + 3x &= -13 \\ -4c &= -4 \end{aligned}$$

$$\begin{aligned} 6. \quad 6a - 3z &= 3 \\ -3a &= -9 \end{aligned}$$

$$\begin{aligned} 3. \quad -3a + 6v &= 42 \\ -a &= 2 \end{aligned}$$

$$\begin{aligned} 7. \quad 2x + 2y &= -16 \\ -3x &= 9 \end{aligned}$$

$$\begin{aligned} 4. \quad -v + 3x &= 14 \\ v &= 4 \end{aligned}$$

$$\begin{aligned} 8. \quad 5a - 5y &= 25 \\ -2a &= -12 \end{aligned}$$

Systèmes Linéaires (A) Solutions

Trouvez les solutions des systèmes d'équations suivants.

$$\begin{aligned} 1. \quad & -u - 2x = 5 \\ & 6u = -18 \\ & u = -3, x = -1 \end{aligned}$$

$$\begin{aligned} 5. \quad & 2u + 2y = -2 \\ & 4u = 16 \\ & u = 4, y = -5 \end{aligned}$$

$$\begin{aligned} 2. \quad & -4c + 3x = -13 \\ & -4c = -4 \\ & c = 1, x = -3 \end{aligned}$$

$$\begin{aligned} 6. \quad & 6a - 3z = 3 \\ & -3a = -9 \\ & a = 3, z = 5 \end{aligned}$$

$$\begin{aligned} 3. \quad & -3a + 6v = 42 \\ & -a = 2 \\ & a = -2, v = 6 \end{aligned}$$

$$\begin{aligned} 7. \quad & 2x + 2y = -16 \\ & -3x = 9 \\ & x = -3, y = -5 \end{aligned}$$

$$\begin{aligned} 4. \quad & -v + 3x = 14 \\ & v = 4 \\ & v = 4, x = 6 \end{aligned}$$

$$\begin{aligned} 8. \quad & 5a - 5y = 25 \\ & -2a = -12 \\ & a = 6, y = 1 \end{aligned}$$

Systèmes Linéaires (B)

Trouvez les solutions des systèmes d'équations suivants.

$$\begin{aligned} 1. \quad & u + 4z = -1 \\ & 5u = -5 \end{aligned}$$

$$\begin{aligned} 5. \quad & 4c - 3u = 9 \\ & -2c = -12 \end{aligned}$$

$$\begin{aligned} 2. \quad & 2u + 4x = 8 \\ & 2u = 4 \end{aligned}$$

$$\begin{aligned} 6. \quad & -4a + 5c = 5 \\ & 5a = -25 \end{aligned}$$

$$\begin{aligned} 3. \quad & -3v - x = 15 \\ & 6v = -30 \end{aligned}$$

$$\begin{aligned} 7. \quad & 2v - 5y = 11 \\ & 5v = 15 \end{aligned}$$

$$\begin{aligned} 4. \quad & u - 5v = -34 \\ & -u = 4 \end{aligned}$$

$$\begin{aligned} 8. \quad & v - 3y = -5 \\ & 5v = 5 \end{aligned}$$

Systèmes Linéaires (B) Solutions

Trouvez les solutions des systèmes d'équations suivants.

$$\begin{aligned}1. \quad & u + 4z = -1 \\& 5u = -5 \\& \textcolor{red}{u = -1, z = 0}\end{aligned}$$

$$\begin{aligned}5. \quad & 4c - 3u = 9 \\& -2c = -12 \\& \textcolor{red}{c = 6, u = 5}\end{aligned}$$

$$\begin{aligned}2. \quad & 2u + 4x = 8 \\& 2u = 4 \\& \textcolor{red}{u = 2, x = 1}\end{aligned}$$

$$\begin{aligned}6. \quad & -4a + 5c = 5 \\& 5a = -25 \\& \textcolor{red}{a = -5, c = -3}\end{aligned}$$

$$\begin{aligned}3. \quad & -3v - x = 15 \\& 6v = -30 \\& \textcolor{red}{v = -5, x = 0}\end{aligned}$$

$$\begin{aligned}7. \quad & 2v - 5y = 11 \\& 5v = 15 \\& \textcolor{red}{v = 3, y = -1}\end{aligned}$$

$$\begin{aligned}4. \quad & u - 5v = -34 \\& -u = 4 \\& \textcolor{red}{u = -4, v = 6}\end{aligned}$$

$$\begin{aligned}8. \quad & v - 3y = -5 \\& 5v = 5 \\& \textcolor{red}{v = 1, y = 2}\end{aligned}$$

Systèmes Linéaires (C)

Trouvez les solutions des systèmes d'équations suivants.

$$\begin{aligned} 1. \quad & 3a - 3x = 3 \\ & -3a = 6 \end{aligned}$$

$$\begin{aligned} 5. \quad & a + 5z = 7 \\ & a = 2 \end{aligned}$$

$$\begin{aligned} 2. \quad & 4c + 4v = 28 \\ & -5c = -15 \end{aligned}$$

$$\begin{aligned} 6. \quad & -3b + 2x = 16 \\ & 3b = -12 \end{aligned}$$

$$\begin{aligned} 3. \quad & -4u - x = 14 \\ & -2u = 10 \end{aligned}$$

$$\begin{aligned} 7. \quad & -3a - 5z = 14 \\ & 2a = -6 \end{aligned}$$

$$\begin{aligned} 4. \quad & -3a - 2x = -5 \\ & 2a = -2 \end{aligned}$$

$$\begin{aligned} 8. \quad & 2c - 3z = 21 \\ & -3c = -18 \end{aligned}$$

Systèmes Linéaires (C) Solutions

Trouvez les solutions des systèmes d'équations suivants.

$$\begin{aligned} 1. \quad & 3a - 3x = 3 \\ & -3a = 6 \\ & \textcolor{red}{a = -2, x = -3} \end{aligned}$$

$$\begin{aligned} 5. \quad & a + 5z = 7 \\ & a = 2 \\ & \textcolor{red}{a = 2, z = 1} \end{aligned}$$

$$\begin{aligned} 2. \quad & 4c + 4v = 28 \\ & -5c = -15 \\ & \textcolor{red}{c = 3, v = 4} \end{aligned}$$

$$\begin{aligned} 6. \quad & -3b + 2x = 16 \\ & 3b = -12 \\ & \textcolor{red}{b = -4, x = 2} \end{aligned}$$

$$\begin{aligned} 3. \quad & -4u - x = 14 \\ & -2u = 10 \\ & \textcolor{red}{u = -5, x = 6} \end{aligned}$$

$$\begin{aligned} 7. \quad & -3a - 5z = 14 \\ & 2a = -6 \\ & \textcolor{red}{a = -3, z = -1} \end{aligned}$$

$$\begin{aligned} 4. \quad & -3a - 2x = -5 \\ & 2a = -2 \\ & \textcolor{red}{a = -1, x = 4} \end{aligned}$$

$$\begin{aligned} 8. \quad & 2c - 3z = 21 \\ & -3c = -18 \\ & \textcolor{red}{c = 6, z = -3} \end{aligned}$$

Systèmes Linéaires (D)

Trouvez les solutions des systèmes d'équations suivants.

$$\begin{aligned} 1. \quad & 3b + 3z = 27 \\ & -2b = -10 \end{aligned}$$

$$\begin{aligned} 5. \quad & -4b - 3x = -12 \\ & 5b = 0 \end{aligned}$$

$$\begin{aligned} 2. \quad & -3b + 3v = 15 \\ & -2b = 4 \end{aligned}$$

$$\begin{aligned} 6. \quad & 6b + 5z = 14 \\ & 4b = -4 \end{aligned}$$

$$\begin{aligned} 3. \quad & -3v - z = 10 \\ & 2v = -4 \end{aligned}$$

$$\begin{aligned} 7. \quad & 6u - 2v = 38 \\ & 4u = 24 \end{aligned}$$

$$\begin{aligned} 4. \quad & 6a + 3z = -24 \\ & -a = 3 \end{aligned}$$

$$\begin{aligned} 8. \quad & 3b - 2u = 7 \\ & 2b = -2 \end{aligned}$$

Systèmes Linéaires (D) Solutions

Trouvez les solutions des systèmes d'équations suivants.

$$\begin{aligned}1. \quad & 3b + 3z = 27 \\& -2b = -10 \\& b = 5, z = 4\end{aligned}$$

$$\begin{aligned}5. \quad & -4b - 3x = -12 \\& 5b = 0 \\& b = 0, x = 4\end{aligned}$$

$$\begin{aligned}2. \quad & -3b + 3v = 15 \\& -2b = 4 \\& b = -2, v = 3\end{aligned}$$

$$\begin{aligned}6. \quad & 6b + 5z = 14 \\& 4b = -4 \\& b = -1, z = 4\end{aligned}$$

$$\begin{aligned}3. \quad & -3v - z = 10 \\& 2v = -4 \\& v = -2, z = -4\end{aligned}$$

$$\begin{aligned}7. \quad & 6u - 2v = 38 \\& 4u = 24 \\& u = 6, v = -1\end{aligned}$$

$$\begin{aligned}4. \quad & 6a + 3z = -24 \\& -a = 3 \\& a = -3, z = -2\end{aligned}$$

$$\begin{aligned}8. \quad & 3b - 2u = 7 \\& 2b = -2 \\& b = -1, u = -5\end{aligned}$$

Systèmes Linéaires (E)

Trouvez les solutions des systèmes d'équations suivants.

$$\begin{aligned} 1. \quad -3a + 2c &= -17 \\ a &= 5 \end{aligned}$$

$$\begin{aligned} 5. \quad 3u + 3y &= -3 \\ 3u &= -9 \end{aligned}$$

$$\begin{aligned} 2. \quad 5c + 5u &= -15 \\ 4c &= -8 \end{aligned}$$

$$\begin{aligned} 6. \quad -4b - 2y &= -2 \\ 6b &= 6 \end{aligned}$$

$$\begin{aligned} 3. \quad 6a - 5v &= -22 \\ -5a &= 10 \end{aligned}$$

$$\begin{aligned} 7. \quad -4b + 4c &= -20 \\ -2b &= -6 \end{aligned}$$

$$\begin{aligned} 4. \quad 4v - 4x &= 20 \\ 3v &= 3 \end{aligned}$$

$$\begin{aligned} 8. \quad 2b - 4u &= 24 \\ 5b &= 30 \end{aligned}$$

Systèmes Linéaires (E) Solutions

Trouvez les solutions des systèmes d'équations suivants.

$$\begin{aligned} 1. \quad & -3a + 2c = -17 \\ & a = 5 \\ & \textcolor{red}{a = 5, c = -1} \end{aligned}$$

$$\begin{aligned} 5. \quad & 3u + 3y = -3 \\ & 3u = -9 \\ & \textcolor{red}{u = -3, y = 2} \end{aligned}$$

$$\begin{aligned} 2. \quad & 5c + 5u = -15 \\ & 4c = -8 \\ & \textcolor{red}{c = -2, u = -1} \end{aligned}$$

$$\begin{aligned} 6. \quad & -4b - 2y = -2 \\ & 6b = 6 \\ & \textcolor{red}{b = 1, y = -1} \end{aligned}$$

$$\begin{aligned} 3. \quad & 6a - 5v = -22 \\ & -5a = 10 \\ & \textcolor{red}{a = -2, v = 2} \end{aligned}$$

$$\begin{aligned} 7. \quad & -4b + 4c = -20 \\ & -2b = -6 \\ & \textcolor{red}{b = 3, c = -2} \end{aligned}$$

$$\begin{aligned} 4. \quad & 4v - 4x = 20 \\ & 3v = 3 \\ & \textcolor{red}{v = 1, x = -4} \end{aligned}$$

$$\begin{aligned} 8. \quad & 2b - 4u = 24 \\ & 5b = 30 \\ & \textcolor{red}{b = 6, u = -3} \end{aligned}$$

Systèmes Linéaires (F)

Trouvez les solutions des systèmes d'équations suivants.

$$\begin{aligned}1. \quad & 4c - 4y = -4 \\& 6c = -30\end{aligned}$$

$$\begin{aligned}5. \quad & 4x - z = 11 \\& 3x = 6\end{aligned}$$

$$\begin{aligned}2. \quad & -4a - 2c = -8 \\& 4a = 16\end{aligned}$$

$$\begin{aligned}6. \quad & 2a - 5y = -3 \\& -2a = -12\end{aligned}$$

$$\begin{aligned}3. \quad & -3b - 3u = -3 \\& 4b = 24\end{aligned}$$

$$\begin{aligned}7. \quad & 3a - c = -7 \\& 3a = -12\end{aligned}$$

$$\begin{aligned}4. \quad & 6u + z = -12 \\& -2u = 6\end{aligned}$$

$$\begin{aligned}8. \quad & 3c + z = -13 \\& 2c = -6\end{aligned}$$

Systèmes Linéaires (F) Solutions

Trouvez les solutions des systèmes d'équations suivants.

$$\begin{aligned}1. \quad & 4c - 4y = -4 \\& 6c = -30 \\& \textcolor{red}{c = -5, y = -4}\end{aligned}$$

$$\begin{aligned}5. \quad & 4x - z = 11 \\& 3x = 6 \\& \textcolor{red}{x = 2, z = -3}\end{aligned}$$

$$\begin{aligned}2. \quad & -4a - 2c = -8 \\& 4a = 16 \\& \textcolor{red}{a = 4, c = -4}\end{aligned}$$

$$\begin{aligned}6. \quad & 2a - 5y = -3 \\& -2a = -12 \\& \textcolor{red}{a = 6, y = 3}\end{aligned}$$

$$\begin{aligned}3. \quad & -3b - 3u = -3 \\& 4b = 24 \\& \textcolor{red}{b = 6, u = -5}\end{aligned}$$

$$\begin{aligned}7. \quad & 3a - c = -7 \\& 3a = -12 \\& \textcolor{red}{a = -4, c = -5}\end{aligned}$$

$$\begin{aligned}4. \quad & 6u + z = -12 \\& -2u = 6 \\& \textcolor{red}{u = -3, z = 6}\end{aligned}$$

$$\begin{aligned}8. \quad & 3c + z = -13 \\& 2c = -6 \\& \textcolor{red}{c = -3, z = -4}\end{aligned}$$

Systèmes Linéaires (G)

Trouvez les solutions des systèmes d'équations suivants.

$$\begin{aligned} 1. \quad & -3a + 3b = 6 \\ & -3a = 12 \end{aligned}$$

$$\begin{aligned} 5. \quad & -a - x = -2 \\ & -4a = 4 \end{aligned}$$

$$\begin{aligned} 2. \quad & 3c + z = 5 \\ & 2c = 4 \end{aligned}$$

$$\begin{aligned} 6. \quad & -4b - 5y = -37 \\ & -b = -3 \end{aligned}$$

$$\begin{aligned} 3. \quad & -a + 5b = -13 \\ & a = -2 \end{aligned}$$

$$\begin{aligned} 7. \quad & -3c + 5z = 20 \\ & -3c = 0 \end{aligned}$$

$$\begin{aligned} 4. \quad & 3a + 4v = 3 \\ & 6a = -18 \end{aligned}$$

$$\begin{aligned} 8. \quad & 5c + x = 8 \\ & -3c = -6 \end{aligned}$$

Systèmes Linéaires (G) Solutions

Trouvez les solutions des systèmes d'équations suivants.

$$\begin{aligned} 1. \quad & -3a + 3b = 6 \\ & -3a = 12 \\ & \color{red} a = -4, b = -2 \end{aligned}$$

$$\begin{aligned} 5. \quad & -a - x = -2 \\ & -4a = 4 \\ & \color{red} a = -1, x = 3 \end{aligned}$$

$$\begin{aligned} 2. \quad & 3c + z = 5 \\ & 2c = 4 \\ & \color{red} c = 2, z = -1 \end{aligned}$$

$$\begin{aligned} 6. \quad & -4b - 5y = -37 \\ & -b = -3 \\ & \color{red} b = 3, y = 5 \end{aligned}$$

$$\begin{aligned} 3. \quad & -a + 5b = -13 \\ & a = -2 \\ & \color{red} a = -2, b = -3 \end{aligned}$$

$$\begin{aligned} 7. \quad & -3c + 5z = 20 \\ & -3c = 0 \\ & \color{red} c = 0, z = 4 \end{aligned}$$

$$\begin{aligned} 4. \quad & 3a + 4v = 3 \\ & 6a = -18 \\ & \color{red} a = -3, v = 3 \end{aligned}$$

$$\begin{aligned} 8. \quad & 5c + x = 8 \\ & -3c = -6 \\ & \color{red} c = 2, x = -2 \end{aligned}$$

Systèmes Linéaires (H)

Trouvez les solutions des systèmes d'équations suivants.

$$\begin{aligned} 1. \quad -5c - 2z &= -5 \\ -2c &= -2 \end{aligned}$$

$$\begin{aligned} 5. \quad -3c + x &= -13 \\ -3c &= -12 \end{aligned}$$

$$\begin{aligned} 2. \quad 3a - 3c &= -21 \\ 2a &= -2 \end{aligned}$$

$$\begin{aligned} 6. \quad -5y - 2z &= -25 \\ 5y &= 25 \end{aligned}$$

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

$$\begin{aligned} 7. \quad -5b - 2x &= 3 \\ -2b &= -2 \end{aligned}$$

$$\begin{aligned} 4. \quad b + 3z &= 8 \\ -b &= -5 \end{aligned}$$

$$\begin{aligned} 8. \quad x + 3y &= 10 \\ 4x &= 4 \end{aligned}$$

Systèmes Linéaires (H) Solutions

Trouvez les solutions des systèmes d'équations suivants.

$$\begin{aligned}1. \quad & -5c - 2z = -5 \\& -2c = -2 \\& \textcolor{red}{c = 1, z = 0}\end{aligned}$$

$$\begin{aligned}5. \quad & -3c + x = -13 \\& -3c = -12 \\& \textcolor{red}{c = 4, x = -1}\end{aligned}$$

$$\begin{aligned}2. \quad & 3a - 3c = -21 \\& 2a = -2 \\& \textcolor{red}{a = -1, c = 6}\end{aligned}$$

$$\begin{aligned}6. \quad & -5y - 2z = -25 \\& 5y = 25 \\& \textcolor{red}{y = 5, z = 0}\end{aligned}$$

$$\begin{aligned}3. \quad & 6u + 5v = -2 \\& -4u = 8 \\& \textcolor{red}{u = -2, v = 2}\end{aligned}$$

$$\begin{aligned}7. \quad & -5b - 2x = 3 \\& -2b = -2 \\& \textcolor{red}{b = 1, x = -4}\end{aligned}$$

$$\begin{aligned}4. \quad & b + 3z = 8 \\& -b = -5 \\& \textcolor{red}{b = 5, z = 1}\end{aligned}$$

$$\begin{aligned}8. \quad & x + 3y = 10 \\& 4x = 4 \\& \textcolor{red}{x = 1, y = 3}\end{aligned}$$

Systèmes Linéaires (I)

Trouvez les solutions des systèmes d'équations suivants.

$$\begin{aligned}1. \quad & 4b + 3c = -7 \\& 2b = -8\end{aligned}$$

$$\begin{aligned}5. \quad & 6a + 4y = 34 \\& -a = -3\end{aligned}$$

$$\begin{aligned}2. \quad & 4b - 3z = 5 \\& 4b = 20\end{aligned}$$

$$\begin{aligned}6. \quad & 6b + 6u = 18 \\& -2b = -6\end{aligned}$$

$$\begin{aligned}3. \quad & 4a - 5y = -46 \\& -2a = 8\end{aligned}$$

$$\begin{aligned}7. \quad & -c + 2x = -9 \\& 4c = 12\end{aligned}$$

$$\begin{aligned}4. \quad & 4y - z = -6 \\& -3y = 6\end{aligned}$$

$$\begin{aligned}8. \quad & -5b - 2c = 24 \\& -2b = 8\end{aligned}$$

Systèmes Linéaires (I) Solutions

Trouvez les solutions des systèmes d'équations suivants.

$$\begin{aligned}1. \quad & 4b + 3c = -7 \\& 2b = -8 \\& \textcolor{red}{b = -4, c = 3}\end{aligned}$$

$$\begin{aligned}5. \quad & 6a + 4y = 34 \\& -a = -3 \\& \textcolor{red}{a = 3, y = 4}\end{aligned}$$

$$\begin{aligned}2. \quad & 4b - 3z = 5 \\& 4b = 20 \\& \textcolor{red}{b = 5, z = 5}\end{aligned}$$

$$\begin{aligned}6. \quad & 6b + 6u = 18 \\& -2b = -6 \\& \textcolor{red}{b = 3, u = 0}\end{aligned}$$

$$\begin{aligned}3. \quad & 4a - 5y = -46 \\& -2a = 8 \\& \textcolor{red}{a = -4, y = 6}\end{aligned}$$

$$\begin{aligned}7. \quad & -c + 2x = -9 \\& 4c = 12 \\& \textcolor{red}{c = 3, x = -3}\end{aligned}$$

$$\begin{aligned}4. \quad & 4y - z = -6 \\& -3y = 6 \\& \textcolor{red}{y = -2, z = -2}\end{aligned}$$

$$\begin{aligned}8. \quad & -5b - 2c = 24 \\& -2b = 8 \\& \textcolor{red}{b = -4, c = -2}\end{aligned}$$

Systèmes Linéaires (J)

Trouvez les solutions des systèmes d'équations suivants.

$$\begin{aligned}1. \quad & 2a - 4z = 22 \\& 4a = 12\end{aligned}$$

$$\begin{aligned}5. \quad & 4a - y = 4 \\& a = 0\end{aligned}$$

$$\begin{aligned}2. \quad & a + b = 10 \\& 4a = 24\end{aligned}$$

$$\begin{aligned}6. \quad & -5a - z = 28 \\& -5a = 25\end{aligned}$$

$$\begin{aligned}3. \quad & 6a + 2c = 20 \\& 2a = 6\end{aligned}$$

$$\begin{aligned}7. \quad & 3a - c = -18 \\& 5a = -20\end{aligned}$$

$$\begin{aligned}4. \quad & 4v - 2x = 2 \\& 3v = 6\end{aligned}$$

$$\begin{aligned}8. \quad & 2c + 3z = 19 \\& -5c = -25\end{aligned}$$

Systèmes Linéaires (J) Solutions

Trouvez les solutions des systèmes d'équations suivants.

$$\begin{aligned}1. \quad & 2a - 4z = 22 \\& 4a = 12 \\& \color{red} a = 3, z = -4\end{aligned}$$

$$\begin{aligned}5. \quad & 4a - y = 4 \\& a = 0 \\& \color{red} a = 0, y = -4\end{aligned}$$

$$\begin{aligned}2. \quad & a + b = 10 \\& 4a = 24 \\& \color{red} a = 6, b = 4\end{aligned}$$

$$\begin{aligned}6. \quad & -5a - z = 28 \\& -5a = 25 \\& \color{red} a = -5, z = -3\end{aligned}$$

$$\begin{aligned}3. \quad & 6a + 2c = 20 \\& 2a = 6 \\& \color{red} a = 3, c = 1\end{aligned}$$

$$\begin{aligned}7. \quad & 3a - c = -18 \\& 5a = -20 \\& \color{red} a = -4, c = 6\end{aligned}$$

$$\begin{aligned}4. \quad & 4v - 2x = 2 \\& 3v = 6 \\& \color{red} v = 2, x = 3\end{aligned}$$

$$\begin{aligned}8. \quad & 2c + 3z = 19 \\& -5c = -25 \\& \color{red} c = 5, z = 3\end{aligned}$$