

Systemes Linéaires (A)

Trouvez les solutions des systemes d'équations suivants.

$$\begin{aligned} 1. \quad & -3b + 4c + 3y = 21 \\ & 4b - 3c = -6 \\ & b = 3 \end{aligned}$$

$$\begin{aligned} 5. \quad & -3b - 5c - z = 23 \\ & 5b - 2c = 5 \\ & 6b = -6 \end{aligned}$$

$$\begin{aligned} 2. \quad & -4a + 6u - 3z = 13 \\ & 4a + 6u = 56 \\ & -4a = -20 \end{aligned}$$

$$\begin{aligned} 6. \quad & 3u + 4v + z = 11 \\ & 2u - 2v = 14 \\ & 4u = 20 \end{aligned}$$

$$\begin{aligned} 3. \quad & -4c + 5u + z = -44 \\ & 5c + 4u = 5 \\ & -3c = -15 \end{aligned}$$

$$\begin{aligned} 7. \quad & 5v - y + 2z = -10 \\ & 4v + 2y = -8 \\ & -2v = 4 \end{aligned}$$

$$\begin{aligned} 4. \quad & -5c - 5u + 2x = -7 \\ & -3c + u = -7 \\ & -c = -2 \end{aligned}$$

$$\begin{aligned} 8. \quad & -2a + 2v - 3y = -17 \\ & -4a - 2v = -16 \\ & -4a = -20 \end{aligned}$$

Systemes Linéaires (A) Solutions

Trouvez les solutions des systemes d'équations suivants.

$$\begin{aligned} 1. \quad & -3b + 4c + 3y = 21 \\ & 4b - 3c = -6 \\ & b = 3 \\ & b = 3, c = 6, y = 2 \end{aligned}$$

$$\begin{aligned} 5. \quad & -3b - 5c - z = 23 \\ & 5b - 2c = 5 \\ & 6b = -6 \\ & b = -1, c = -5, z = 5 \end{aligned}$$

$$\begin{aligned} 2. \quad & -4a + 6u - 3z = 13 \\ & 4a + 6u = 56 \\ & -4a = -20 \\ & a = 5, u = 6, z = 1 \end{aligned}$$

$$\begin{aligned} 6. \quad & 3u + 4v + z = 11 \\ & 2u - 2v = 14 \\ & 4u = 20 \\ & u = 5, v = -2, z = 4 \end{aligned}$$

$$\begin{aligned} 3. \quad & -4c + 5u + z = -44 \\ & 5c + 4u = 5 \\ & -3c = -15 \\ & c = 5, u = -5, z = 1 \end{aligned}$$

$$\begin{aligned} 7. \quad & 5v - y + 2z = -10 \\ & 4v + 2y = -8 \\ & -2v = 4 \\ & v = -2, y = 0, z = 0 \end{aligned}$$

$$\begin{aligned} 4. \quad & -5c - 5u + 2x = -7 \\ & -3c + u = -7 \\ & -c = -2 \\ & c = 2, u = -1, x = -1 \end{aligned}$$

$$\begin{aligned} 8. \quad & -2a + 2v - 3y = -17 \\ & -4a - 2v = -16 \\ & -4a = -20 \\ & a = 5, v = -2, y = 1 \end{aligned}$$

Systemes Linéaires (B)

Trouvez les solutions des systemes d'équations suivants.

$$\begin{aligned} 1. \quad & 2c + 5y + 5z = -18 \\ & 3c + 4y = 0 \\ & 2c = -8 \end{aligned}$$

$$\begin{aligned} 5. \quad & -5a - c - 5z = 15 \\ & -3a - 4c = -20 \\ & 2a = 0 \end{aligned}$$

$$\begin{aligned} 2. \quad & 2b - 2c + v = -10 \\ & 6b + 3c = -18 \\ & 3b = -12 \end{aligned}$$

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

$$\begin{aligned} 3. \quad & -5c - 4u - 2v = 13 \\ & c + 3u = -6 \\ & 5c = -15 \end{aligned}$$

$$\begin{aligned} 7. \quad & 4b + v + 6y = -17 \\ & -2b + 2v = -10 \\ & b = 0 \end{aligned}$$

$$\begin{aligned} 4. \quad & 2b + 3x - 4y = 14 \\ & 2b - x = 10 \\ & -4b = -24 \end{aligned}$$

$$\begin{aligned} 8. \quad & -5u + 5v - z = 1 \\ & 4u + 2v = -24 \\ & -u = 4 \end{aligned}$$

Systemes Linéaires (B) Solutions

Trouvez les solutions des systemes d'équations suivants.

1. $2c + 5y + 5z = -18$
 $3c + 4y = 0$
 $2c = -8$
 $c = -4, y = 3, z = -5$

5. $-5a - c - 5z = 15$
 $-3a - 4c = -20$
 $2a = 0$
 $a = 0, c = 5, z = -4$

2. $2b - 2c + v = -10$
 $6b + 3c = -18$
 $3b = -12$
 $b = -4, c = 2, v = 2$

6. $a + 3b + 6y = 6$
 $-a + 3b = -6$
 $3a = 18$
 $a = 6, b = 0, y = 0$

3. $-5c - 4u - 2v = 13$
 $c + 3u = -6$
 $5c = -15$
 $c = -3, u = -1, v = 3$

7. $4b + v + 6y = -17$
 $-2b + 2v = -10$
 $b = 0$
 $b = 0, v = -5, y = -2$

4. $2b + 3x - 4y = 14$
 $2b - x = 10$
 $-4b = -24$
 $b = 6, x = 2, y = 1$

8. $-5u + 5v - z = 1$
 $4u + 2v = -24$
 $-u = 4$
 $u = -4, v = -4, z = -1$

Systemes Linéaires (C)

Trouvez les solutions des systemes d'équations suivants.

$$\begin{aligned} 1. \quad & -2b + v + 5z = 19 \\ & -2b - 3v = -12 \\ & 4b = 0 \end{aligned}$$

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

$$\begin{aligned} 2. \quad & 4u + v - 2z = -14 \\ & 4u + 3v = -18 \\ & -2u = 6 \end{aligned}$$

$$\begin{aligned} 6. \quad & 5a + u + 2y = 6 \\ & -a + 5u = 8 \\ & 6a = 12 \end{aligned}$$

$$\begin{aligned} 3. \quad & -2b - 2x + 6z = 18 \\ & 5b - 3x = 10 \\ & -5b = 5 \end{aligned}$$

$$\begin{aligned} 7. \quad & -2c + 6u - 2z = 0 \\ & -5c - 4u = 9 \\ & 5c = -5 \end{aligned}$$

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

$$\begin{aligned} 8. \quad & 3b + 5c - 5y = 60 \\ & -b + 5c = 20 \\ & -2b = -10 \end{aligned}$$

Systemes Linéaires (C) Solutions

Trouvez les solutions des systemes d'équations suivants.

$$\begin{aligned} 1. \quad & -2b + v + 5z = 19 \\ & -2b - 3v = -12 \\ & 4b = 0 \\ & \mathbf{b = 0, v = 4, z = 3} \end{aligned}$$

$$\begin{aligned} 5. \quad & 2a - 2c - 4y = -4 \\ & 2a + 4c = 12 \\ & -3a = -6 \\ & \mathbf{a = 2, c = 2, y = 1} \end{aligned}$$

$$\begin{aligned} 2. \quad & 4u + v - 2z = -14 \\ & 4u + 3v = -18 \\ & -2u = 6 \\ & \mathbf{u = -3, v = -2, z = 0} \end{aligned}$$

$$\begin{aligned} 6. \quad & 5a + u + 2y = 6 \\ & -a + 5u = 8 \\ & 6a = 12 \\ & \mathbf{a = 2, u = 2, y = -3} \end{aligned}$$

$$\begin{aligned} 3. \quad & -2b - 2x + 6z = 18 \\ & 5b - 3x = 10 \\ & -5b = 5 \\ & \mathbf{b = -1, x = -5, z = 1} \end{aligned}$$

$$\begin{aligned} 7. \quad & -2c + 6u - 2z = 0 \\ & -5c - 4u = 9 \\ & 5c = -5 \\ & \mathbf{c = -1, u = -1, z = -2} \end{aligned}$$

$$\begin{aligned} 4. \quad & -2b + 3v + y = 7 \\ & -4b + 3v = 2 \\ & -b = -1 \\ & \mathbf{b = 1, v = 2, y = 3} \end{aligned}$$

$$\begin{aligned} 8. \quad & 3b + 5c - 5y = 60 \\ & -b + 5c = 20 \\ & -2b = -10 \\ & \mathbf{b = 5, c = 5, y = -4} \end{aligned}$$

Systemes Linéaires (D)

Trouvez les solutions des systemes d'équations suivants.

$$\begin{aligned} 1. \quad & u + 6v - y = -19 \\ & -5u - 4v = 1 \\ & 4u = 12 \end{aligned}$$

$$\begin{aligned} 5. \quad & -4a + 6u + v = -17 \\ & 6a - 3u = 18 \\ & a = 2 \end{aligned}$$

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

$$\begin{aligned} 6. \quad & -4c - 4v + 5y = 25 \\ & -4c - 2v = 30 \\ & -2c = 10 \end{aligned}$$

$$\begin{aligned} 3. \quad & -5a - 3b + c = -39 \\ & -4a - 2b = -28 \\ & -3a = -15 \end{aligned}$$

$$\begin{aligned} 7. \quad & -2a + 3b - 5z = -4 \\ & 3a - 4b = -7 \\ & 5a = 15 \end{aligned}$$

$$\begin{aligned} 4. \quad & -5c - 5v - 4x = -40 \\ & -3c + v = -20 \\ & -2c = -12 \end{aligned}$$

$$\begin{aligned} 8. \quad & 4v + 4x - 4z = 12 \\ & 6v - 4x = -30 \\ & -v = 3 \end{aligned}$$

Systemes Linéaires (D) Solutions

Trouvez les solutions des systemes d'équations suivants.

$$\begin{aligned} 1. \quad & u + 6v - y = -19 \\ & -5u - 4v = 1 \\ & 4u = 12 \\ & u = 3, v = -4, y = -2 \end{aligned}$$

$$\begin{aligned} 5. \quad & -4a + 6u + v = -17 \\ & 6a - 3u = 18 \\ & a = 2 \\ & a = 2, u = -2, v = 3 \end{aligned}$$

$$\begin{aligned} 2. \quad & c - 4v - 2y = -20 \\ & -c + v = 6 \\ & -c = 4 \\ & c = -4, v = 2, y = 4 \end{aligned}$$

$$\begin{aligned} 6. \quad & -4c - 4v + 5y = 25 \\ & -4c - 2v = 30 \\ & -2c = 10 \\ & c = -5, v = -5, y = -3 \end{aligned}$$

$$\begin{aligned} 3. \quad & -5a - 3b + c = -39 \\ & -4a - 2b = -28 \\ & -3a = -15 \\ & a = 5, b = 4, c = -2 \end{aligned}$$

$$\begin{aligned} 7. \quad & -2a + 3b - 5z = -4 \\ & 3a - 4b = -7 \\ & 5a = 15 \\ & a = 3, b = 4, z = 2 \end{aligned}$$

$$\begin{aligned} 4. \quad & -5c - 5v - 4x = -40 \\ & -3c + v = -20 \\ & -2c = -12 \\ & c = 6, v = -2, x = 5 \end{aligned}$$

$$\begin{aligned} 8. \quad & 4v + 4x - 4z = 12 \\ & 6v - 4x = -30 \\ & -v = 3 \\ & v = -3, x = 3, z = -3 \end{aligned}$$

Systèmes Linéaires (E)

Trouvez les solutions des systèmes d'équations suivants.

1. $-2u + 2v + 5z = -24$
 $-3u + 5v = -8$
 $-4u = -4$

5. $-2a - 2b + u = -8$
 $-5a + b = -7$
 $4a = 8$

2. $-2a - 3c + 6z = -38$
 $5a + 3c = 8$
 $a = -2$

6. $2a - 5x + z = -3$
 $a + 5x = 1$
 $-a = -1$

3. $-5v + 6x - z = -5$
 $6v - 2x = -16$
 $-5v = 20$

7. $5c - 4x - 2y = -39$
 $-4c - x = 18$
 $-4c = 20$

4. $4a - 4y - 5z = -14$
 $-4a - 2y = -32$
 $6a = 30$

8. $5u - 3v - 2y = 12$
 $-3u - 3v = -24$
 $-4u = -20$

Systemes Linéaires (E) Solutions

Trouvez les solutions des systemes d'équations suivants.

$$\begin{aligned} 1. \quad & -2u + 2v + 5z = -24 \\ & -3u + 5v = -8 \\ & -4u = -4 \\ & u = 1, v = -1, z = -4 \end{aligned}$$

$$\begin{aligned} 5. \quad & -2a - 2b + u = -8 \\ & -5a + b = -7 \\ & 4a = 8 \\ & a = 2, b = 3, u = 2 \end{aligned}$$

$$\begin{aligned} 2. \quad & -2a - 3c + 6z = -38 \\ & 5a + 3c = 8 \\ & a = -2 \\ & a = -2, c = 6, z = -4 \end{aligned}$$

$$\begin{aligned} 6. \quad & 2a - 5x + z = -3 \\ & a + 5x = 1 \\ & -a = -1 \\ & a = 1, x = 0, z = -5 \end{aligned}$$

$$\begin{aligned} 3. \quad & -5v + 6x - z = -5 \\ & 6v - 2x = -16 \\ & -5v = 20 \\ & v = -4, x = -4, z = 1 \end{aligned}$$

$$\begin{aligned} 7. \quad & 5c - 4x - 2y = -39 \\ & -4c - x = 18 \\ & -4c = 20 \\ & c = -5, x = 2, y = 3 \end{aligned}$$

$$\begin{aligned} 4. \quad & 4a - 4y - 5z = -14 \\ & -4a - 2y = -32 \\ & 6a = 30 \\ & a = 5, y = 6, z = 2 \end{aligned}$$

$$\begin{aligned} 8. \quad & 5u - 3v - 2y = 12 \\ & -3u - 3v = -24 \\ & -4u = -20 \\ & u = 5, v = 3, y = 2 \end{aligned}$$

Systemes Linéaires (F)

Trouvez les solutions des systemes d'équations suivants.

$$\begin{aligned} 1. \quad & 6b - v - 2y = 36 \\ & -2b + 3v = -6 \\ & -3b = -18 \end{aligned}$$

$$\begin{aligned} 5. \quad & 5b + 4v + x = -25 \\ & b - v = 1 \\ & 6b = -12 \end{aligned}$$

$$\begin{aligned} 2. \quad & a - 2b - 5y = 14 \\ & -2a + 2b = 4 \\ & -4a = -8 \end{aligned}$$

$$\begin{aligned} 6. \quad & -a - 3v + 3z = -25 \\ & 2a + v = 14 \\ & 2a = 8 \end{aligned}$$

$$\begin{aligned} 3. \quad & 3a + 5u - 3x = 33 \\ & -3a - u = -18 \\ & -5a = -20 \end{aligned}$$

$$\begin{aligned} 7. \quad & 5a - b + u = -23 \\ & a - 4b = -17 \\ & 2a = -10 \end{aligned}$$

$$\begin{aligned} 4. \quad & -4a + 5c + 6x = -62 \\ & a + 3c = -6 \\ & 5a = 30 \end{aligned}$$

$$\begin{aligned} 8. \quad & 6b + u - 5z = 26 \\ & -3b - 5u = -20 \\ & -2b = -10 \end{aligned}$$

Systemes Linéaires (F) Solutions

Trouvez les solutions des systemes d'équations suivants.

$$\begin{aligned} 1. \quad & 6b - v - 2y = 36 \\ & -2b + 3v = -6 \\ & -3b = -18 \\ & b = 6, v = 2, y = -1 \end{aligned}$$

$$\begin{aligned} 5. \quad & 5b + 4v + x = -25 \\ & b - v = 1 \\ & 6b = -12 \\ & b = -2, v = -3, x = -3 \end{aligned}$$

$$\begin{aligned} 2. \quad & a - 2b - 5y = 14 \\ & -2a + 2b = 4 \\ & -4a = -8 \\ & a = 2, b = 4, y = -4 \end{aligned}$$

$$\begin{aligned} 6. \quad & -a - 3v + 3z = -25 \\ & 2a + v = 14 \\ & 2a = 8 \\ & a = 4, v = 6, z = -1 \end{aligned}$$

$$\begin{aligned} 3. \quad & 3a + 5u - 3x = 33 \\ & -3a - u = -18 \\ & -5a = -20 \\ & a = 4, u = 6, x = 3 \end{aligned}$$

$$\begin{aligned} 7. \quad & 5a - b + u = -23 \\ & a - 4b = -17 \\ & 2a = -10 \\ & a = -5, b = 3, u = 5 \end{aligned}$$

$$\begin{aligned} 4. \quad & -4a + 5c + 6x = -62 \\ & a + 3c = -6 \\ & 5a = 30 \\ & a = 6, c = -4, x = -3 \end{aligned}$$

$$\begin{aligned} 8. \quad & 6b + u - 5z = 26 \\ & -3b - 5u = -20 \\ & -2b = -10 \\ & b = 5, u = 1, z = 1 \end{aligned}$$

Systèmes Linéaires (G)

Trouvez les solutions des systèmes d'équations suivants.

1. $4b + 2c + 5z = -25$
 $b + 2c = 3$
 $4b = -4$

5. $-4b - 5v + 5z = -13$
 $-b - v = 0$
 $-5b = -10$

2. $-2c + 5v + 4z = -33$
 $-4c - v = 21$
 $-2c = 8$

6. $-3x - 5y + 5z = 16$
 $x - 3y = 9$
 $-3x = -9$

3. $-c - y + 2z = -14$
 $3c - 2y = -18$
 $-5c = 10$

7. $-3b + 6c - 3z = 45$
 $5b + 2c = 0$
 $6b = -12$

4. $3b + 5c - y = -22$
 $-2b + 6c = -10$
 $2b = -8$

8. $-b + c - 5y = 25$
 $-3b + 4c = 0$
 $3b = 0$

Systemes Linéaires (G) Solutions

Trouvez les solutions des systemes d'équations suivants.

$$\begin{aligned} 1. \quad & 4b + 2c + 5z = -25 \\ & b + 2c = 3 \\ & 4b = -4 \\ & b = -1, c = 2, z = -5 \end{aligned}$$

$$\begin{aligned} 5. \quad & -4b - 5v + 5z = -13 \\ & -b - v = 0 \\ & -5b = -10 \\ & b = 2, v = -2, z = -3 \end{aligned}$$

$$\begin{aligned} 2. \quad & -2c + 5v + 4z = -33 \\ & -4c - v = 21 \\ & -2c = 8 \\ & c = -4, v = -5, z = -4 \end{aligned}$$

$$\begin{aligned} 6. \quad & -3x - 5y + 5z = 16 \\ & x - 3y = 9 \\ & -3x = -9 \\ & x = 3, y = -2, z = 3 \end{aligned}$$

$$\begin{aligned} 3. \quad & -c - y + 2z = -14 \\ & 3c - 2y = -18 \\ & -5c = 10 \\ & c = -2, y = 6, z = -5 \end{aligned}$$

$$\begin{aligned} 7. \quad & -3b + 6c - 3z = 45 \\ & 5b + 2c = 0 \\ & 6b = -12 \\ & b = -2, c = 5, z = -3 \end{aligned}$$

$$\begin{aligned} 4. \quad & 3b + 5c - y = -22 \\ & -2b + 6c = -10 \\ & 2b = -8 \\ & b = -4, c = -3, y = -5 \end{aligned}$$

$$\begin{aligned} 8. \quad & -b + c - 5y = 25 \\ & -3b + 4c = 0 \\ & 3b = 0 \\ & b = 0, c = 0, y = -5 \end{aligned}$$

Systemes Linéaires (H)

Trouvez les solutions des systemes d'équations suivants.

$$\begin{aligned} 1. \quad & 5b + 6v + 5z = 14 \\ & -3b - 5v = -29 \\ & -b = -3 \end{aligned}$$

$$\begin{aligned} 5. \quad & c - 3v - x = 12 \\ & -5c + 4v = -46 \\ & -2c = -12 \end{aligned}$$

$$\begin{aligned} 2. \quad & -2a + 5b - 5z = -4 \\ & 5a + 4b = -23 \\ & -5a = 15 \end{aligned}$$

$$\begin{aligned} 6. \quad & -5a - 2c - 3y = 4 \\ & 4a + c = 7 \\ & -4a = -8 \end{aligned}$$

$$\begin{aligned} 3. \quad & 6a + v - 2z = 27 \\ & 4a - 2v = 22 \\ & -4a = -24 \end{aligned}$$

$$\begin{aligned} 7. \quad & 4a + 3c - 5u = -22 \\ & -5a - 2c = 16 \\ & 2a = -4 \end{aligned}$$

$$\begin{aligned} 4. \quad & 2c + 4u - 2x = -14 \\ & -3c + 2u = -11 \\ & -c = -1 \end{aligned}$$

$$\begin{aligned} 8. \quad & -a - 5b + z = 13 \\ & -4a - 4b = 12 \\ & -5a = 0 \end{aligned}$$

Systemes Linéaires (H) Solutions

Trouvez les solutions des systemes d'équations suivants.

$$\begin{aligned} 1. \quad & 5b + 6v + 5z = 14 \\ & -3b - 5v = -29 \\ & -b = -3 \\ & \mathbf{b = 3, v = 4, z = -5} \end{aligned}$$

$$\begin{aligned} 5. \quad & c - 3v - x = 12 \\ & -5c + 4v = -46 \\ & -2c = -12 \\ & \mathbf{c = 6, v = -4, x = 6} \end{aligned}$$

$$\begin{aligned} 2. \quad & -2a + 5b - 5z = -4 \\ & 5a + 4b = -23 \\ & -5a = 15 \\ & \mathbf{a = -3, b = -2, z = 0} \end{aligned}$$

$$\begin{aligned} 6. \quad & -5a - 2c - 3y = 4 \\ & 4a + c = 7 \\ & -4a = -8 \\ & \mathbf{a = 2, c = -1, y = -4} \end{aligned}$$

$$\begin{aligned} 3. \quad & 6a + v - 2z = 27 \\ & 4a - 2v = 22 \\ & -4a = -24 \\ & \mathbf{a = 6, v = 1, z = 5} \end{aligned}$$

$$\begin{aligned} 7. \quad & 4a + 3c - 5u = -22 \\ & -5a - 2c = 16 \\ & 2a = -4 \\ & \mathbf{a = -2, c = -3, u = 1} \end{aligned}$$

$$\begin{aligned} 4. \quad & 2c + 4u - 2x = -14 \\ & -3c + 2u = -11 \\ & -c = -1 \\ & \mathbf{c = 1, u = -4, x = 0} \end{aligned}$$

$$\begin{aligned} 8. \quad & -a - 5b + z = 13 \\ & -4a - 4b = 12 \\ & -5a = 0 \\ & \mathbf{a = 0, b = -3, z = -2} \end{aligned}$$

Systemes Linéaires (I)

Trouvez les solutions des systemes d'équations suivants.

$$\begin{aligned} 1. \quad & 2c + x - 3z = 13 \\ & c + 4x = 5 \\ & -2c = -10 \end{aligned}$$

$$\begin{aligned} 5. \quad & -5a + 5c - 3y = 16 \\ & -5a - 4c = -44 \\ & 3a = 12 \end{aligned}$$

$$\begin{aligned} 2. \quad & 6a + 5v - 3z = 1 \\ & a - v = -6 \\ & 3a = -12 \end{aligned}$$

$$\begin{aligned} 6. \quad & 6a + 4y + 6z = 48 \\ & -4a - y = -24 \\ & 4a = 24 \end{aligned}$$

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

$$\begin{aligned} 7. \quad & -5b + 6u + 5y = 39 \\ & 2b + 4u = 8 \\ & -2b = 8 \end{aligned}$$

$$\begin{aligned} 4. \quad & 6b + 4x - 2y = 22 \\ & -b + 2x = 2 \\ & 4b = 8 \end{aligned}$$

$$\begin{aligned} 8. \quad & 2c + 2u + 2z = 10 \\ & 6c + 3u = 15 \\ & c = 1 \end{aligned}$$

Systèmes Linéaires (I) Solutions

Trouvez les solutions des systèmes d'équations suivants.

1. $2c + x - 3z = 13$

$$c + 4x = 5$$

$$-2c = -10$$

$$c = 5, x = 0, z = -1$$

5. $-5a + 5c - 3y = 16$

$$-5a - 4c = -44$$

$$3a = 12$$

$$a = 4, c = 6, y = -2$$

2. $6a + 5v - 3z = 1$

$$a - v = -6$$

$$3a = -12$$

$$a = -4, v = 2, z = -5$$

6. $6a + 4y + 6z = 48$

$$-4a - y = -24$$

$$4a = 24$$

$$a = 6, y = 0, z = 2$$

3. $5a + 5u + 2z = 11$

$$4a - 4u = -20$$

$$-4a = 4$$

$$a = -1, u = 4, z = -2$$

7. $-5b + 6u + 5y = 39$

$$2b + 4u = 8$$

$$-2b = 8$$

$$b = -4, u = 4, y = -1$$

4. $6b + 4x - 2y = 22$

$$-b + 2x = 2$$

$$4b = 8$$

$$b = 2, x = 2, y = -1$$

8. $2c + 2u + 2z = 10$

$$6c + 3u = 15$$

$$c = 1$$

$$c = 1, u = 3, z = 1$$

Systemes Linéaires (J)

Trouvez les solutions des systemes d'équations suivants.

$$\begin{aligned} 1. \quad & 5a + 2v + y = -29 \\ & 5a + 4v = -35 \\ & 4a = -12 \end{aligned}$$

$$\begin{aligned} 5. \quad & -3a + 3u - 2y = 16 \\ & -a + 2u = 12 \\ & -2a = 0 \end{aligned}$$

$$\begin{aligned} 2. \quad & -2b - v - 3z = -5 \\ & -3b - v = 10 \\ & -5b = 15 \end{aligned}$$

$$\begin{aligned} 6. \quad & 5c - y + 4z = -16 \\ & -4c - 2y = 8 \\ & -2c = 8 \end{aligned}$$

$$\begin{aligned} 3. \quad & -5b + u + z = -26 \\ & -b - 3u = 5 \\ & 3b = 12 \end{aligned}$$

$$\begin{aligned} 7. \quad & -4b + 5y + 6z = 9 \\ & -5b + 5y = -15 \\ & 5b = 0 \end{aligned}$$

$$\begin{aligned} 4. \quad & 2c - 3u + 2v = -33 \\ & 3c + 6u = 18 \\ & -3c = 12 \end{aligned}$$

$$\begin{aligned} 8. \quad & -u + x - 2z = -8 \\ & u + 3x = -12 \\ & -4u = 12 \end{aligned}$$

Systèmes Linéaires (J) Solutions

Trouvez les solutions des systèmes d'équations suivants.

1. $5a + 2v + y = -29$
 $5a + 4v = -35$
 $4a = -12$
 $a = -3, v = -5, y = -4$

5. $-3a + 3u - 2y = 16$
 $-a + 2u = 12$
 $-2a = 0$
 $a = 0, u = 6, y = 1$

2. $-2b - v - 3z = -5$
 $-3b - v = 10$
 $-5b = 15$
 $b = -3, v = -1, z = 4$

6. $5c - y + 4z = -16$
 $-4c - 2y = 8$
 $-2c = 8$
 $c = -4, y = 4, z = 2$

3. $-5b + u + z = -26$
 $-b - 3u = 5$
 $3b = 12$
 $b = 4, u = -3, z = -3$

7. $-4b + 5y + 6z = 9$
 $-5b + 5y = -15$
 $5b = 0$
 $b = 0, y = -3, z = 4$

4. $2c - 3u + 2v = -33$
 $3c + 6u = 18$
 $-3c = 12$
 $c = -4, u = 5, v = -5$

8. $-u + x - 2z = -8$
 $u + 3x = -12$
 $-4u = 12$
 $u = -3, x = -3, z = 4$