

## Systemes Linéaires (F)

Trouvez les solutions des systemes d'équations suivants.

1.  $5u + 2v + 3y = 48$   
 $3u + v + 2y = 29$   
 $u + 4v + 5y = 54$

5.  $2b + c + 5z = 37$   
 $4b + 3c + 4z = 43$   
 $5b + 6c + 6z = 71$

2.  $6a + v + x = 27$   
 $3a + 3v + 6x = 54$   
 $6a + 3v + 4x = 51$

6.  $c + 3v + 3x = 21$   
 $2c + 2v + 6x = 26$   
 $4c + v + 5x = 33$

3.  $3c + y + 3z = 24$   
 $6c + 5y + z = 51$   
 $c + 4y + 4z = 39$

7.  $2a + 6c + 2y = 44$   
 $3a + 4c + 4y = 42$   
 $6a + 6c + 3y = 69$

4.  $a + 6u + 5v = 22$   
 $a + 4u + 5v = 20$   
 $4a + 5u + 5v = 39$

8.  $b + c + 5v = 38$   
 $3b + 6c + 3v = 54$   
 $6b + c + 4v = 52$

## Systemes Linéaires (F) Solutions

Trouvez les solutions des systemes d'équations suivants.

1.  $5u + 2v + 3y = 48$   
 $3u + v + 2y = 29$   
 $u + 4v + 5y = 54$   
 $u = 4, v = 5, y = 6$

5.  $2b + c + 5z = 37$   
 $4b + 3c + 4z = 43$   
 $5b + 6c + 6z = 71$   
 $b = 1, c = 5, z = 6$

2.  $6a + v + x = 27$   
 $3a + 3v + 6x = 54$   
 $6a + 3v + 4x = 51$   
 $a = 3, v = 3, x = 6$

6.  $c + 3v + 3x = 21$   
 $2c + 2v + 6x = 26$   
 $4c + v + 5x = 33$   
 $c = 6, v = 4, x = 1$

3.  $3c + y + 3z = 24$   
 $6c + 5y + z = 51$   
 $c + 4y + 4z = 39$   
 $c = 3, y = 6, z = 3$

7.  $2a + 6c + 2y = 44$   
 $3a + 4c + 4y = 42$   
 $6a + 6c + 3y = 69$   
 $a = 6, c = 5, y = 1$

4.  $a + 6u + 5v = 22$   
 $a + 4u + 5v = 20$   
 $4a + 5u + 5v = 39$   
 $a = 6, u = 1, v = 2$

8.  $b + c + 5v = 38$   
 $3b + 6c + 3v = 54$   
 $6b + c + 4v = 52$   
 $b = 4, c = 4, v = 6$