

SYSTEMES.

$$\boxed{1} \begin{cases} x + 2y + z = 4 \\ 2x - y - z = 0 \\ x - 2y + 2z = 1 \end{cases}$$

$$\boxed{2} \begin{cases} x + 2y + z = 2 \\ x - y - 2z = -1 \\ 2x + y - z = 3 \end{cases}$$

$$\boxed{3} \begin{cases} x + 2y + z = 2 \\ x - y - 2z = -1 \\ 2x + y - z = 1 \end{cases}$$

$$\boxed{4} \begin{cases} x + 2y + 2z = 4 \\ 2x - y - z = 0 \\ x + 2y - 2z = 1 \\ x + y + z = 1 \end{cases}$$

$$\boxed{5} \begin{cases} x + y + 2z = 4 \\ 2x - y - z = 0 \\ x + 2y - 2z = 1 \\ x + y + z = 3 \end{cases}$$

$$\boxed{6} \begin{cases} x + y + z = 2 \\ 2x + 2y + 2z = 4 \\ 3x + 3y + 3z = 6 \end{cases}$$

$$\boxed{7} \begin{cases} x + y + z = 2 \\ 2x + 2y + 2z = 4 \\ 3x + 3y + 3z = 1 \end{cases}$$

$$\boxed{8} \begin{cases} x + y + z + t = 4 \\ 2x - y + z - 2t = 0 \\ 3x + 2z - t = 4 \\ x - 2y + 3t = 2 \end{cases}$$

$$\boxed{9} \begin{cases} x + y + z + t = 4 \\ 2x - y + z - 2t = 0 \\ 3x + 2z - t = 4 \\ x - 2y - 3t = -4 \end{cases}$$

$$\boxed{10} \begin{cases} x + y + z + t = 4 \\ 2x - y + z - 2t = 0 \\ 3x + 2z - t = 4 \\ -x + y - 2z + t = -1 \end{cases}$$

$$\boxed{11} \begin{cases} x + y + z + t = 4 \\ 2x - y + z - 2t = 0 \\ 3x + 2z - t = 4 \\ x + 2y - z + t = 3 \\ x - 2y - 3t = -4 \end{cases}$$

$$\boxed{12} \begin{cases} x + y + z + t = 4 \\ 2x - y + z - 2t = 0 \\ 3x + 2z - t = 3 \\ x + 2y - z + t = 3 \\ x - 2y - 3t = -4 \end{cases}$$

$$\boxed{13} \begin{cases} x + iy - (1 - i)z = 1 \\ (1 - i)x - 2y - (1 + i)z = 0 \\ (2 + i)x - 3iy = 1 \end{cases}$$

Discuter suivant les valeurs de a :

$$\boxed{14} \begin{cases} ax + (a - 2)y + (a - 3)z = a - 1 \\ 2x + (a - 1)y + (a - 2)z = 3 \\ 2x - z = 1 \end{cases}$$

$$\boxed{15} \begin{cases} x + ay - 2z = a \\ x - 2y + az = -2 \\ ax + y - 2z = 2 \end{cases}$$

$$\boxed{16} \begin{cases} (a - 1)x + (a + 1)y + (a - 2)z = a \\ 2y - z = 1 \\ ax + 2y + (a - 1)z = 3 \end{cases}$$

(MAISON)

Indication : On pourra commencer par utiliser le 2y de la ligne 2 comme pivot.