$$\begin{cases} 2x + 3y + 5z = 10 \\ 3x + 7y + 44z = 3 \end{cases} \begin{cases} x = 3 \\ x = 3 \end{cases}$$

$$\Delta = \mathcal{U} \begin{pmatrix} a_1 & a_{12} & a_{23} \\ a_{21} & a_{22} & a_{23} \\ a_{31} & a_{32} & a_{33} \end{pmatrix} = \mathcal{U} \begin{pmatrix} 2 & 3 & 5 \\ 3 & 7 & 4 \\ 1 & 2 & 2 \end{pmatrix} = 2.7 \cdot 2 + 3 \cdot 4 \cdot 1 + 5 \cdot 3 \cdot 7 - 2 \cdot 4 \cdot 7 = 6.7 \cdot 1 - 3 \cdot 3 \cdot 7 - 2 \cdot$$

$$\Delta_{1} = dH \begin{pmatrix} R_{1} & \alpha_{12} & \alpha_{13} \\ Q_{1} & \alpha_{22} & \alpha_{23} \\ Q_{3} & \alpha_{32} & \alpha_{33} \end{pmatrix} = deH \begin{pmatrix} 10 & 3 & 5 \\ 3 & 7 & 4 \\ 3 & 2 & 2 \end{pmatrix} = 10 \cdot \overline{7} \cdot 2 + 3 \cdot 4 \cdot 2 + 5 \cdot 3 \cdot 2 - 10 \cdot 4 \cdot 2 = 140 + 36 + 30 - 105 - 18 - 80 = 206 - 203 = 3$$

$$\Delta_2 = det \begin{pmatrix} a_{11} & b_{1} & a_{13} \\ a_{21} & b_{2} & a_{22} \\ a_{31} & b_{33} \end{pmatrix} = det \begin{pmatrix} 2 & 10 & 5 \\ 3 & 3 & 4 \\ 1 & 3 & 2 \end{pmatrix} = 23.2 + 10.4.1 + 5.3.3 - 24.3 = 12 + 40 + 45 - 15 - 60 - 24 = 97 - 95 = 12$$

$$\Delta g = dQt \begin{vmatrix} \alpha_{11} & \alpha_{12} & \beta_{1} \\ \alpha_{21} & \alpha_{12} & \beta_{2} \\ \alpha_{31} & \alpha_{32} & \beta_{3} \end{vmatrix} = dQt \begin{vmatrix} 2 & 3 & 10 \\ 3 & 7 & 3 \\ 1 & 2 & 3 \end{vmatrix} = 2.7.3 + 3.3.1 + 10.3.7 - 10.5.7 - 10.5.1 - 3.3.3 - 2.3.7 = 10.5.1 - 3.3.3 - 2.3.7 = 10.5.1 - 3.3.7 = 10.5.7 - 10.5.7 - 10.5.7 = 10.5.7 - 10.5.7 = 10.5.7 - 10.5.7 = 10.5.7$$

$$x = 3 / y = -2 / 7 = 2$$

$$\begin{cases} 2x + 3y + 5z = 10 \\ 3x + 7y + 4z = 3 \\ x + 2y + 2z = 3 \end{cases} \begin{cases} x = 3 \\ y = 3 \end{cases}$$

$$\begin{cases} 2x+3y+5z=10 \\ 3x+7y+4y=3 \Leftrightarrow 2 \end{cases} = 3 \Leftrightarrow 2 \end{cases} \begin{cases} 2 \ 3 \ 5 \ | 10 \rangle \\ 3 \ 7 \ 4 \ | 3 \rangle \Leftrightarrow 2 \end{cases}$$

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

$$(1.) = (1.) - 2(3.)$$
; $(2.) = (2.) - 3(3.)$

$$(1) = (1) + (2)$$

$$(I \cdot) = (-I)(I \cdot)$$

$$\begin{cases} 2=2 \\ y=27-6=2.26=4.6=-2 \\ k=-2y-2x+3=-2(-2)-2.2+3=4-4+5=3 \end{cases}$$

$$\begin{cases} 2+3y+52=2.3+3.(-2)+5.2=6-6+10=10 \\ 3+7+3y+47=3.3+7.(-2)+4.7=9-14+8=3 \\ 2+2y+27=5+2(-2)+2.7=3-4+4=3 \end{cases}$$

$$\int_{3x-3y}^{5x-6y} + 42 = 3$$
 $\begin{cases} x = 1 \\ 3x - 3y + 2z = 2 \end{cases}$

$$\begin{cases} 5x - 6y + 4z = 3 & 5 - 6 & 4 \\ 3x - 3y + 2z = 2 & 3 - 3 & 2 \\ 4y - 5y + 2z = 1 & 4 - 5 & 2 \\ \end{cases} \begin{pmatrix} x \\ y \\ -5y + 2z = 1 \end{pmatrix} \begin{pmatrix} 5 - 6 & 4 \\ 3 - 3 & 2 \\ 4 - 5 & 2 \end{pmatrix} \begin{pmatrix} x \\ y \\ -5 & 2 \end{pmatrix} \begin{pmatrix} 3 \\ 4 \\ -5 & 2 \end{pmatrix} \begin{pmatrix} 3$$

$$\Delta = det \begin{vmatrix} a_{11} & a_{12} & a_{13} \\ a_{21} & a_{22} & a_{23} \end{vmatrix} = dut \begin{vmatrix} 5 & -6 & 4 \\ 3 & 3 & 2 \\ 4 & -5 & 2 \end{vmatrix} = 5(-3)2 + (-6)2 \cdot 4 + 4 \cdot 3 \cdot (-5) - 4(-3)4 - (-6)3 \cdot 2 - 5 \cdot 2 \cdot 2 \cdot 5 \cdot 2 = -30 - 48 - 60 + 48 + 36 + 50 = 86 - 90 = 4$$

$$= -30 - 48 - 60 + 48 + 36 + 50 = 86 - 90 = 4$$

$$= -30 - 48 - 60 + 48 + 36 + 50 = 86 - 90 = 4$$

$$\Delta_1 = dut \begin{pmatrix} 61 & 912 & 913 \\ 92 & 923 \\ 93 & 932 & 933 \end{pmatrix} = dut \begin{pmatrix} 3 & -64 \\ 2 & -32 \end{pmatrix} = 3(-3)2 + (-6)2.1 + 4.2.(-5) - 4.5 \\ 1 & -52 \end{pmatrix} - 4(-3).1 - (-6)2.2 - 3.2.(-5) = -18-12-40+12+24+30 = 54-58=-4$$

$$\Delta_2 = \det \begin{pmatrix} a_{11} & b_1 & a_{13} \\ a_{21} & b_2 & a_{23} \\ a_{31} & b_3 & a_{33} \end{pmatrix} = \det \begin{pmatrix} 5 & 3 & 4 \\ 3 & 2 & 2 \\ 4 & 1 & 2 \end{pmatrix} = \frac{5 \cdot 2 \cdot 2 + 3 \cdot 2 \cdot 4 + 4 \cdot 3 \cdot 1 - 1}{4 \cdot 2 \cdot 4 - 3 \cdot 3 \cdot 2 - 5 \cdot 2 \cdot 1} = \frac{10 + 24 + 12 - 32 - 18 - 10 = 56 - 60 = -4}{10 + 24 + 12 - 32 - 18 - 10 = 56 - 60 = -4}$$

$$\Delta_{3} = dut \begin{pmatrix} a_{11} & a_{12} & l_{1} \\ u_{21} & a_{21} & l_{2} \\ a_{31} & a_{32} & l_{3} \end{pmatrix} = dut \begin{pmatrix} 5 - 6 & 3 \\ 3 - 3 & 2 \\ 4 - 5 & 1 \end{pmatrix} = 5(-3) \cdot 1 + (-6) \cdot 2 \cdot 4 + 3 \cdot 3(-5) - (-5) = (-15 - 149 - 45 + 36 + 18 + 50 = 104 - 108 = -4)$$

$$\begin{cases} \lambda = 1 = 0 = \frac{-4}{-4} = 1 \\ y = 1 = 0 = \frac{-4}{-4} = 1 \end{cases}$$

$$\begin{cases} 5x - 6y + 4z = 5 - 6 + 4 = 3 \\ 3x - 3y + 2z = 3 - 3 + 2 = 2 \end{cases}$$

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

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

$$\begin{vmatrix}
5 & -6 & 4 & 3 \\
53-3.5 & 5(-3)-3(-6) & 5.2-3.4 & 6.2-3.3 & = \begin{pmatrix}
5 & -6 & 4 & 3 \\
0 & 3 & -2 & 1
\end{vmatrix}$$

$$\begin{vmatrix}
6.4-4.5 & 5(-6) & -4(-6) & 5.2-4.4 & 5.1-4.8
\end{vmatrix}$$

$$(31) = 3(31) + (21)$$

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$$y=\frac{2}{3}+\frac{1}{3}=\frac{2}{3}=1$$

$$-76-$$

$$\begin{cases} 4x - 3y + 72 + 4 = 0 \\ 6x - 2y + 32 + 1 = 0 \end{cases}$$

$$\begin{cases} 5x - 3y + 22 + 3 = 0 \\ 2 = 0 \end{cases}$$

$$\begin{cases} 4x = 3y + 2z + 4 = 0 \\ 6x - 2y + 3z + 1 = 0 \end{cases}$$

$$\Delta = dU \begin{pmatrix} a_{11} & a_{12} & a_{23} \\ a_{21} & a_{22} & a_{23} \end{pmatrix} = dU \begin{pmatrix} 4 & -3 & 2 \\ 6 & -2 & 3 \\ 5 & -3 & 2 \end{pmatrix} = 4(-2)2 + (-3)3 \cdot 5 + 2 \cdot 6(-3) - 2(-3) \cdot 6 \cdot 2 - 4 \cdot 3(-3) = 2(-3) \cdot 5 - 2(-3) \cdot 6 \cdot 2 - 4 \cdot 3(-3) = 2(-3) \cdot 6 \cdot$$

$$\begin{aligned}
\lambda &= \lambda_1 = \frac{\Delta_1}{\Delta_2} = \frac{-5}{-5} = 1 \\
\lambda &= \lambda_2 = \frac{\Delta_1}{-5} = 2
\end{aligned}$$

$$\begin{aligned}
\lambda &= \lambda_1 = \frac{\Delta_1}{\Delta_2} = \frac{-5}{-5} = 2 \\
\lambda &= \lambda_2 = \frac{-10}{-5} = 2
\end{aligned}$$

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\lambda &= \lambda_2 = \frac{\Delta_2}{-5} = -1 \\
\lambda &= \lambda_3 = \frac{\Delta_3}{-5} = -1
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$$\begin{cases} 5x + 2y + 3z + 2 = 0 \\ 2x - 2y + 5z = 0 \end{cases} \quad \begin{cases} x = 0 \\ 4 = 0 \end{cases}$$

$$3x + 4y + 2z + 10 = 0 \quad \begin{cases} z = 0 \\ z = 0 \end{cases}$$

$$\Delta = del \begin{pmatrix} \alpha_{11} & \alpha_{12} & \alpha_{13} \\ \alpha_{21} & \alpha_{22} & \alpha_{23} \\ \alpha_{21} & \alpha_{32} & \alpha_{33} \end{pmatrix} = del \begin{pmatrix} 5 & 2 & 3 \\ 2 & -2 & 5 \\ 3 & 4 & 2 \end{pmatrix} = 5(-2) 2 + 2 \cdot 5 \cdot 3 + 3 \cdot 2 \cdot 4 - \frac{1}{3} + \frac{1}{3} \cdot 2 \cdot$$

$$42 = dlt \begin{vmatrix} a_{11} & b_{1} & a_{13} \\ a_{21} & b_{2} & a_{23} \\ a_{31} & b_{3} & a_{33} \end{vmatrix} = del \begin{vmatrix} 5 & -7 & 3 \\ 2 & 0 & 5 \\ 3 & -10 & 2 \end{vmatrix} = 5.0.2 + (-2).53 + 3.2.(-10) - 3.0.3 - (-2)2.2 - 5.5.(-10) = 0.30 - 60 + 0 + 8 + 250 = 258 - 90 = 168$$

$$\triangleright$$