

7*	5	10	35	70
	7	12	49	84
	11.3	5	79.1	35
	25	30	175	210
2*	5	10	10	20
	7	12	14	24
	11.3	5	22.6	5
	25	30	50	30

A2204

45	90
63	108
101.7	40
225	240

0.0 + 7/48

2.1

$$\begin{aligned}
 3x - 2y + 5z &= 7 \\
 7x + 4y + 8z &= 3 \\
 5x - 3y - 4z &= 12
 \end{aligned}
 \quad \Delta \begin{vmatrix} 3 & -2 & 5 \\ 7 & 4 & -2 \\ 5 & -3 & -4 \end{vmatrix}$$

$$\begin{aligned}
 \Delta x &: (3 \times 4 \times -4) = -48 & -48 + (-105) + 80 &= -73 \\
 \Delta y &: (7 \times -3 \times 5) = -105 & -100 + 72 + 56 &= 28 \\
 \Delta z &: (-2 \times -8 \times 5) = 80 & -108 + 136 &= 28
 \end{aligned}$$

$$\begin{aligned}
 \Delta x &: (5 \times 4 \times 5) = 100 \\
 \Delta y &: (-8 \times -3 \times 3) = 72 \\
 \Delta z &: (-2 \times 7 \times -4) = 56
 \end{aligned}$$

$$\Delta x \begin{vmatrix} 3 & -2 & 5 \\ 7 & 4 & -2 \\ 5 & -3 & -4 \end{vmatrix} = -253$$

$$\Delta y \begin{vmatrix} 3 & -2 & 5 \\ 7 & 4 & -2 \\ 5 & -3 & -4 \end{vmatrix} = 90$$

$$\Delta z \begin{vmatrix} 3 & -2 & 5 \\ 7 & 4 & -2 \\ 5 & -3 & -4 \end{vmatrix} = 168$$

$$\frac{\Delta x}{\Delta} = \frac{-253}{-253} = 1$$

$$\frac{\Delta y}{\Delta} = \frac{90}{-253} = -\frac{90}{253}$$

$$\frac{\Delta z}{\Delta} = \frac{168}{-253} = -\frac{168}{253}$$

$$\begin{aligned}
 x &= 1 \\
 y &= -\frac{90}{253} \\
 z &= -\frac{168}{253}
 \end{aligned}$$

$$\begin{cases} x \cdot y = 48 \\ 2x + 2y = 28 \end{cases}$$
$$\begin{cases} y = 48/x \\ 2x + 2(48/x) = 28 \end{cases}$$
$$\begin{cases} x = 6 \\ y = 8 \end{cases}$$
$$\begin{cases} y = 14 - x \\ 2x + 2y = 28 \\ x \cdot y = 48 \end{cases}$$
$$\begin{cases} y = 14 - x \\ x \cdot (14 - x) = 48 \end{cases}$$

https://github.com/mitabunov/DS_06/blob/master/Cos_1307.ipynb