

$$\begin{array}{l|l} 3a + 5b - 2c = -7 & \text{I} \\ -2a + 7b - 4c = -13 & \text{II} \\ 12a - 5b + 3c = -10 & \text{III} \end{array}$$

$$2 = 2$$

$$4 = 2 \cdot 2$$

$$3 = 3$$

$$\text{kgV} = 2 \cdot 2 \cdot 3 = 12$$

$$\begin{array}{l} \text{I}' = \text{I} \cdot 6 \\ \text{II}' = \text{II} \cdot 3 \\ \text{III}' = \text{III} \cdot 4 \end{array} \quad : \quad \begin{array}{l} 18a + 30b - 12c = -42 \\ -6a + 21b - 12c = -39 \\ 48a - 20b + 12c = -40 \end{array}$$

$$\begin{array}{l} \text{I}'' = \text{II}' - \text{I}' \\ \text{II}'' = \text{III}' + \text{I}' \end{array} \quad \begin{array}{l} -24a - 9b = 3 \\ 66a + 10b = -82 \end{array}$$

$$\begin{array}{l} \text{I}''' = \text{I}'' \cdot 10 \\ \text{II}''' = \text{II}'' \cdot 9 \end{array} \quad \begin{array}{l} -240 - 90b = 30 \\ 594a + 90b = -738 \end{array}$$

$$\text{I}'' + \text{II}''' : \quad 354a = -708 \quad | :354$$

$$a = -2$$

Einsetzen in I'' $-9b + 48 = 3 \quad | -48$

$$-9b = -45 \quad | : -9$$

$$b = 5$$

Einsetzen in I $-2c + 19 = -7 \quad | -19$

$$-2c = -26 \quad | : (-2)$$

$$c = 13$$