

$$\begin{array}{l} \text{I} \quad 3a + 4b + 6c = 5 \\ \text{II} \quad 11b + 24c = 7 \\ \text{III} \quad 2c = 7 \end{array}$$

$$\begin{array}{l} \text{III} \quad 2c = 7 \quad | :2 \\ \Leftrightarrow c = 3,5 \end{array}$$

$$\text{III in II} \quad 11b + 24 \cdot 3,5 = 7$$

$$\Leftrightarrow 11b + 84 = 7 \quad | -84$$

$$\Leftrightarrow 11b = -77 \quad | :11$$

$$\Leftrightarrow b = \underline{\underline{-7}}$$

I und III in I

$$3a + 4 \cdot (-7) + 6 \cdot 3,5 = 5$$

$$\Leftrightarrow 3a - 28 + 21 = 5 \quad | +7$$

$$\Leftrightarrow 3a = 24 \quad | :3$$

$$\Leftrightarrow a = 8$$