

Serie 7

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Aufgabe 1

a)

$$20x + 10y + 0z = 150$$

$$50x + 30y + 20z = 470$$

$$200x + 150y + 100z = 2150$$

$$1 \quad 0.5 \quad 0 = 7.5$$

$$50 \quad 30 \quad 20 = 470$$

$$200 \quad 150 \quad 100 = 2150$$

$$1 \quad 0.5 \quad 0 = 7.5$$

$$0 \quad 5 \quad 20 = 95$$

$$200 \quad 150 \quad 100 = 2150$$

$$1 \quad 0.5 \quad 0 = 7.5$$

$$0 \quad 5 \quad 20 = 95$$

$$0 \quad 50 \quad 100 = 650$$

$$1 \quad 0.5 \quad 0 = 7.5$$

$$0 \quad 5 \quad 20 = 95$$

$$0 \quad 0 \quad 100 = 300$$

$$z = 3$$

$$y = 7$$

$$x = 4$$

$$x = \text{Typ A}$$

$$y = \text{Typ B}$$

$$z = \text{Typ C}$$

b)

$$20x + 10y + 0z = 120$$

$$50x + 30y + 20z = 370$$

$$200x + 150y + 100z = 1600$$

$$1 \quad 0.5 \quad 0 \quad 6$$

$$50 \quad 30 \quad 20 \quad 370$$

$$200 \quad 150 \quad 100 \quad 1600$$

$$x = \text{Typ A}$$

$$y = \text{Typ B}$$

$$z = \text{Typ C}$$

$$1 \quad 0.5 \quad 0 \quad 6$$

$$0 \quad 5 \quad 20 \quad 70$$

$$200 \quad 150 \quad 100 \quad 1600$$

$$1 \quad 0.5 \quad 0 \quad 6$$

$$0 \quad 5 \quad 20 \quad 70$$

$$0 \quad 50 \quad 100 \quad 400$$

$$1 \quad 0.5 \quad 0 \quad 6$$

$$0 \quad 5 \quad 20 \quad 70$$

$$0 \quad 0 \quad 100 \quad 300$$

$$z = 3$$

$$y = 2$$

$$x = 5$$