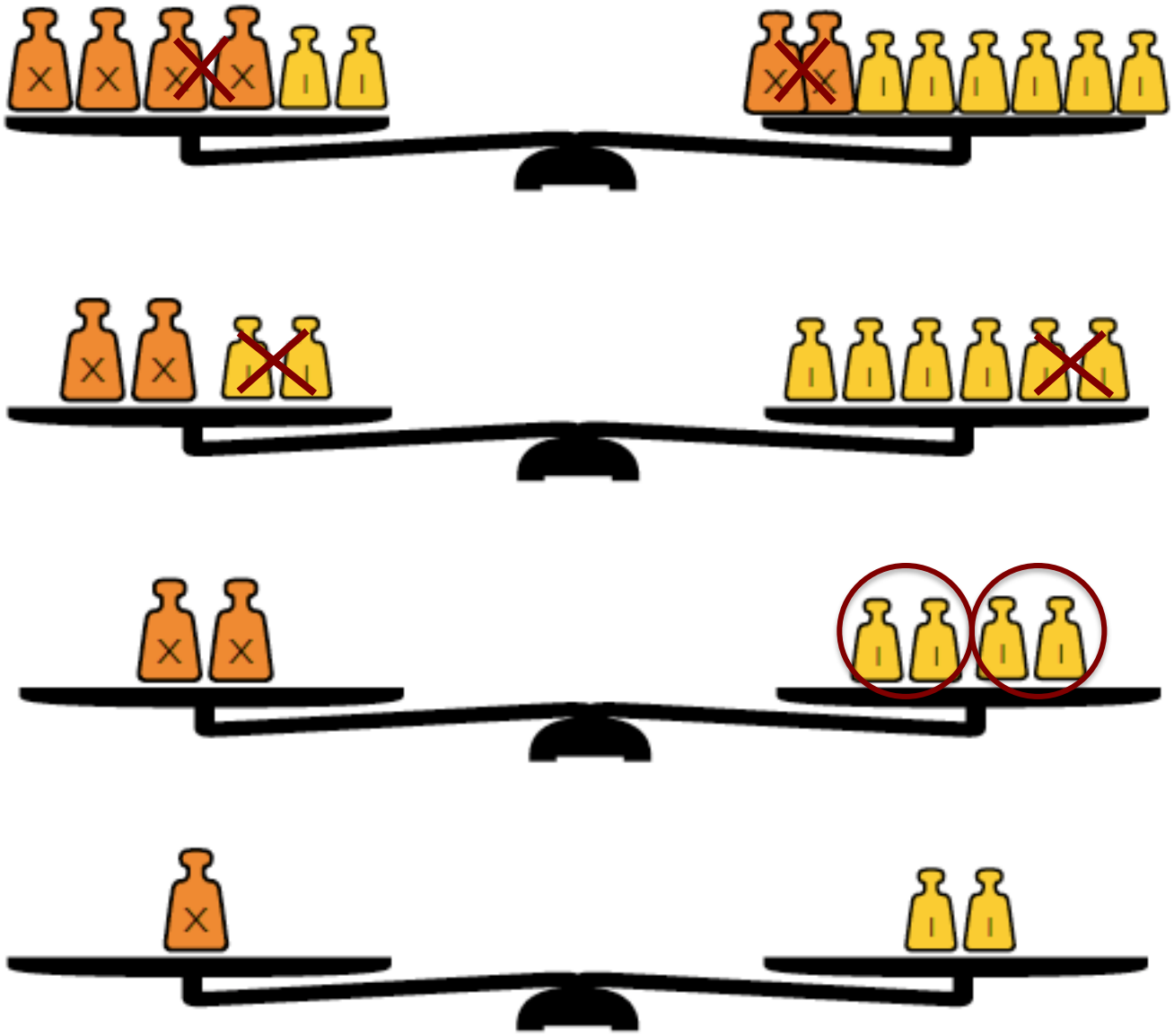
X 2.6 Ekvationer med obekanta i båda leden



Lös ekvationen $\mathbf{14 - 7x = 3x - 6.}$

$$14 - 7x = 3x - 6$$

$$14 - 7x \mathbf{+ 7x} = 3x \mathbf{+ 7x} - 6$$

$$14 = 10x - 6$$

$$14 \mathbf{+ 6} = 10x - 6 \mathbf{+ 6}$$

$$20 = 10x$$

$$\frac{20}{\mathbf{10}} = \frac{10x}{\mathbf{10}}$$

$$2 = x$$

$$x = 2$$

V.L. $= 14 - 7 \cdot \mathbf{2} =$
$= 14 - 14 = 40$

H.L. $= 3 \cdot \mathbf{2} - 6 =$
$= 6 - 6 = 0$

V.L. = H.L.

Svar: x = 2