

Lineare Gleichungssysteme Aufgabe 49

$$12x - 18y = 6$$

$$10x - 15y = 5$$

$$D = \begin{vmatrix} 12 & -18 \\ 10 & -15 \end{vmatrix} = 12 * (-15) - 10 * (-18) = -180 + 180 = 0$$

$$D_x = \begin{vmatrix} 6 & 12 \\ 5 & 10 \end{vmatrix} = 6 * 10 - 5 * 12 = 60 - 60 = 0$$

$$D_y = \begin{vmatrix} 12 & 6 \\ 10 & 5 \end{vmatrix} = 12 * 5 - 10 * 6 = 60 - 60 = 0$$

$$D = D_x = D_y = 0 \text{ --->}$$

unendlich viele Lösungen