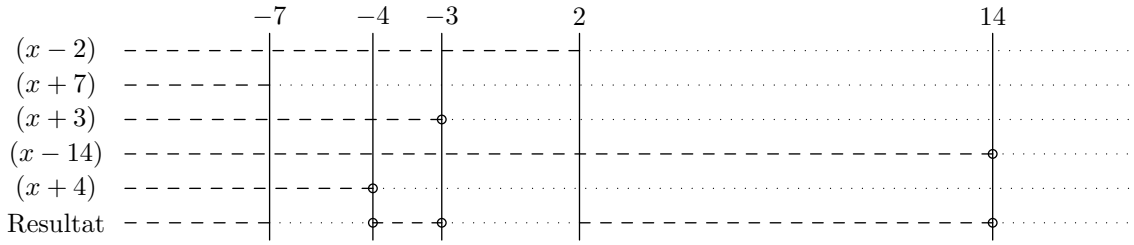
Lösung zu Aufgabe 7.17 ex-ungleichungen-produkt-ungleich-null

a)

$$\frac{x}{x^2-11x-42}+\frac{1}{x^2+7x+12}\leq 0 \qquad |\text{TU}$$
$$\frac{x}{(x+3)(x-14)}+\frac{1}{(x+3)(x+4)}\leq 0 \qquad |\text{TU}$$
$$\frac{x(x+4)+(x-14)}{(x+3)(x-14)(x+4)}\leq 0 \qquad |\text{TU}$$
$$\frac{x^2+5x-14}{(x+3)(x-14)(x+4)}\leq 0 \qquad |\text{TU}$$
$$\frac{(x-2)(x+7)}{(x+3)(x-14)(x+4)}\leq 0$$



Man liest ab: $\mathbb{L}=]-\infty,-7]\cup]-4,-3[\cup[2,14[$.