Faktorisieren: Ausklammern

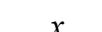| Ausklammern	Ausklammern

$$\frac{7}{6}t^4x^5-\frac{1}{12}t^3x^3$$

$$\frac{1}{3}t^3 \qquad\qquad \frac{1}{2}x^3$$

$$4x^5-5x^3+x^2$$

$$5x\left(\frac{4}{5}x^4-x^2+\frac{1}{5}x\right) \quad 2x^2\left(2x^3-\frac{5}{2}x+\frac{1}{2}\right)$$

$$3x^3+12x^2+6x$$

$$x \qquad\qquad 3$$

$$12x^6-6x^2+18x$$

$$6x\left(2x^5-x+3\right) \qquad 3x\left(4x^5-2x+6\right)$$

$$a^3b^2-a^5b^4$$

$$a^3 \qquad\qquad b^2$$

$$6a^4x^2-12a^2x^3$$

$$6a^2\left(a^2x^2-2x^3\right) \qquad 3x^2\left(2a^4-4a^2x\right)$$
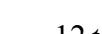
$$12tx^4-36t^2x^5+24tx$$

$$3x \qquad\qquad 4t$$

$$\frac{4t^5}{6p^7}+\frac{8t^3}{18p^7}$$
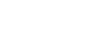
$$\frac{4}{p^4}\left(\frac{t^5}{6p^3}+\frac{2t^3}{18p^3}\right) \quad \frac{t^2}{3}\left(\frac{4t^3}{2p^7}+\frac{8t}{6p^7}\right)$$

$$\frac{a^5}{x^7}-\frac{a^6}{x^5}$$

$$a^5 \qquad\qquad \frac{1}{x^5}$$

$$\left(-6ab^4\right) \quad -6a^3b^2+18a^5b^3 \quad \left(-3a^4b\right)$$
$$\left(a^2b^{-2}-3a^4b^{-1}\right) \qquad \left(2a^{-1}b-6ab^2\right)$$

$$e^{x+3}-4e^{2x+4}$$

$$e^2 \qquad\qquad e^x$$

$$a^2b^3-ab^2+a^3b$$

$$b\left(a^2b^2-ab+a^3\right) \qquad a\left(ab^3-b^2+a^2b\right)$$

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$$\frac{7}{6}t^4x^5-\frac{1}{12}t^3x^3$$

$$\frac{1}{2}x^3\left(\frac{7}{3}t^4x^2-\frac{1}{6}t^3\right) \quad \frac{1}{3}t^3\left(\frac{7}{2}tx^5-\frac{1}{4}x^3\right)$$

$$4x^5-5x^3+x^2$$

$$2x^2 \qquad\qquad 5x$$

$$3x^3+12x^2+6x$$

$$3\left(x^3+4x^2+2x\right) \qquad x\left(3x^2+12x+6\right)$$

$$12x^6-6x^2+18x$$

$$3x \qquad\qquad 6x$$

$$a^3b^2-a^5b^4$$

$$b^2\left(a^3-a^5b^2\right) \qquad a^3\left(b^2-a^2b^4\right)$$

$$6a^4x^2-12a^2x^3$$

$$3x^2 \qquad\qquad 6a^2$$

$$12tx^4-36t^2x^5+24tx$$

$$4t\left(3x^4-9tx^5+6x\right) \quad 3x\left(4tx^3-12t^2x^4+8t\right)$$

$$\frac{4t^5}{6p^7}+\frac{8t^3}{18p^7}$$

$$\frac{t^2}{3} \qquad\qquad \frac{4}{p^4}$$

$$\frac{a^5}{x^7}-\frac{a^6}{x^5}$$

$$\frac{1}{x^5}\left(\frac{a^5}{x^2}-a^6\right) \qquad a^5\left(\frac{1}{x^7}-\frac{a}{x^5}\right)$$

$$-6a^3b^2+18a^5b^3$$

$$-3a^4b \qquad\qquad -6ab^4$$

$$e^{x+3}-4e^{2x+4}$$

$$e^x\left(e^3-4e^{x+4}\right) \qquad e^2\left(e^{x+1}-4e^{2x+2}\right)$$

$$a^2b^3-ab^2+a^3b$$

$$a \qquad\qquad b$$