

Stammfunktionen:

$$f(x) \implies F(x)$$

$$1 \implies x$$

$$c \implies c \cdot x$$

$$x \implies \frac{1}{2}x^{2}$$

$$x^{2} \implies \frac{1}{3}x^{3}$$

$$x^{3} \implies \frac{1}{4}x^{4}$$
Potenzregel für jedes $n \neq -1$:
$$x^{n} \implies \frac{1}{n+1}x^{n+1}$$

$$mx + b \implies \frac{1}{2}mx^{2} + bx$$

$$ax^{2} + bx + c \implies \frac{1}{3}ax^{3} + \frac{1}{2}bx^{2} + cx$$
Summenregel:
$$f(x) + g(x) \implies F(x) + G(x)$$

$$c \cdot f(x) \implies c \cdot F(x)$$

$$\sqrt{x} = x^{\frac{1}{2}} \implies \frac{1}{\frac{3}{2}}x^{\frac{3}{2}} = \frac{2}{3}x^{\frac{3}{2}}$$

$$e^{x} \implies e^{x}$$

$$e^{x}$$