

$$\lambda = \int p(x) dx \Rightarrow e^{\ln x} = x$$

$$U = \lambda^{-1} \int \lambda \cdot Q(x) dx$$

$$z^{-1} = x^{-1} \int x(-x^3) dx$$

$$(y-x)^{-1} = x^{-1} \left(-\frac{x^5}{5} + c \right) = -\frac{x^4}{5} + c x^{-1}$$

$$\boxed{(y-x)^{-1} = -\frac{x^4}{5} + \frac{c}{x}} \rightarrow \text{Gemein-} \\ \text{Nenner}$$