$$\int_{X}^{x} x^{-3} dx \qquad Apply \quad role = 3$$

$$\int_{X}^{x} x^{-3} dx = \frac{x}{x^{-1}}$$

$$\int_{-3+1}^{3} x^{-3} dx = \frac{x^{-3+1}}{-3+1}, \quad k = -3$$

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$$\int \frac{1}{x^{3}} dx = \int x^{-3} dx = \frac{x^{-2}}{-2} + C \quad \text{for intervals } (-00,00) \cap (0,00)$$







