$$X' =$$

$$f(x_1 \dots x_n) = \prod_{i=1}^{n} x_i^{i}$$

$$\left(\frac{dx_1^1}{dx_1} \circ \Delta\tilde{x}_1\right)\left(\frac{dx_2^2}{dx_2} \circ \Delta\tilde{x}_2\right) \circ \dots \dots \dots \frac{dx_n^n}{dx_n} \circ \Delta\tilde{x}_n\Big) =$$

$$= \left(\frac{x}{dx_1} \circ \Delta x_1\right)\left(\frac{2x_2}{dx_2} \circ \Delta x_2\right) \circ \dots \dots \circ \left(\frac{n \circ dx_n^n}{dx_n} \circ \Delta x_n\right) =$$

$$\boxed{\Delta y = \prod_{i=1}^{n} \left(i\overset{\circ}{x}^{i-1} \Delta x_i\right)} \Rightarrow \quad \tilde{y} = \prod_{i=1}^{n} \left(\frac{i x^{i-1} \cdot \Delta x_i}{x^i}\right)$$

$$x^{i} = i x^{i-1}$$