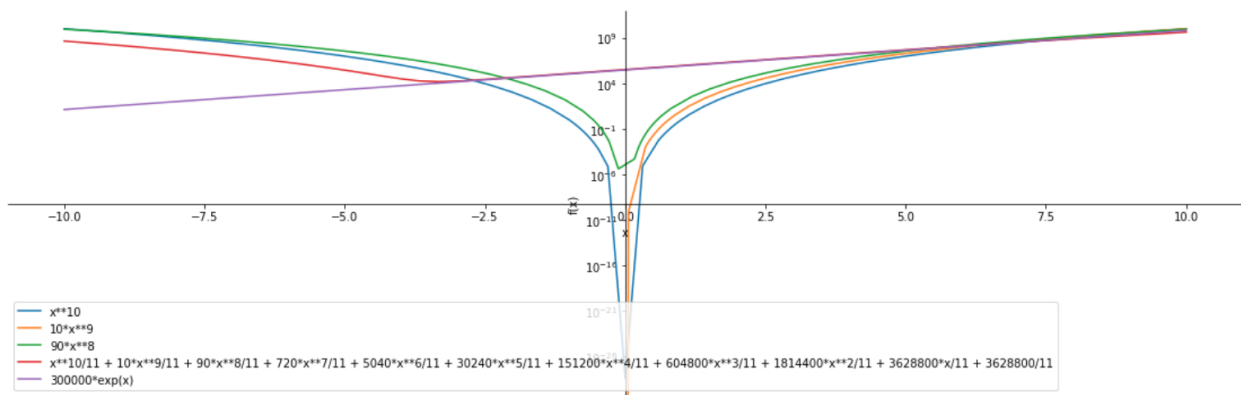


$$\frac{\sum_{n=0}^a \frac{dx^a}{d^n x}}{a+1} = \text{average of all derivatives of a power function}$$

example a = 10:

$$\frac{x^{10}}{11} + \frac{10x^9}{11} + \frac{90x^8}{11} + \frac{720x^7}{11} + \frac{5040x^6}{11} + \frac{30240x^5}{11} + \frac{151200x^4}{11} + \frac{604800x^3}{11} + \frac{1814400x^2}{11} + \frac{3628800x}{11} + \frac{3628800}{11}$$

$$\frac{\sum_{n=0}^{10} \frac{dx^{10}}{d^n x}}{10+1} = \frac{x^{10}}{11} + \frac{10x^9}{11} + \dots \simeq 30000 e^x \quad \forall x > -3$$



$$\frac{\sum_{n=0}^a \frac{dx^a}{d^n x}}{a+1} \sim c e^x \quad \forall x > b$$

Where c is some constant and b is a deviation point