Differentiator by Emil Galimov

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1 Function and its derivative

$$x^{x^x}$$

$$x^{x^x} \cdot (\frac{1 \cdot x^x}{x} + x^x \cdot (\frac{1 \cdot x}{x} + 1 \cdot \ln x) \cdot \ln x)$$

$$x^{x^x} \cdot (\frac{x^x}{x} + x^x \cdot (\frac{x}{x} + \ln x) \cdot \ln x)$$