$$(x^x)' = \tag{1}$$

$$x^x * \left(ln\left(x\right) * 1 + \frac{x}{x}\right) = \tag{2}$$

$$x^x * \left(ln\left(x\right) + 1\right) = \tag{3}$$

$$x^x * \left(ln\left(x\right) + 1\right) \tag{4}$$

$$\left(x^x * \left(ln\left(x\right) + 1\right)\right)' = \tag{5}$$

$$\left(x^x * \left(ln\left(x\right) * 1 + \frac{x}{x}\right) * \left(ln\left(x\right) + 1\right) + x^x * \left(\frac{1}{x} + 0\right)\right) = \tag{6}$$

$$\left(x^x * \left(ln\left(x\right) + 1\right) * \left(ln\left(x\right) + 1\right) + x^x * \frac{1}{x}\right) = \tag{7}$$

$$\left(x^x * \left(ln\left(x\right) + 1\right) * \left(ln\left(x\right) + 1\right) + x^x * \frac{1}{x}\right) \tag{8}$$