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

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

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

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

$$(x^{x} * (ln(x) + 1))' =$$
 (5)

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

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

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