

$$(x^x)' = \quad (1)$$

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

$$x^x * (\ln(x) + 1) = \quad (3)$$

$$x^x * (\ln(x) + 1) \quad (4)$$

$$(x^x * (\ln(x) + 1))' = \quad (5)$$

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

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

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