

$$(\sinh(x + 23^x))^x)' = \sinh(x + 23^x) \cdot x \cdot \left( \frac{\cosh(x + 23^x) \cdot (1 + \ln(23) \cdot 23^x)}{\sinh(x + 23^x)} \cdot x + \ln(\sinh(x + 23^x)) \right)$$