

$$\left(\frac{1}{8}\right)^{\log_2 3} = (2^{-3})^{\log_2 3} = \underbrace{\left(2^{\overbrace{\log_2 3}^{\text{即 } 2^3=3}}\right)}_{=3}^{-3} = 3^{-3} = \frac{1}{27}$$