

$$f(0) = 0, \quad f'(0) = 2$$

$$\frac{d}{dx} \left( f(f(f(x))) \right) = \underbrace{f'(f(f(x)))}_{\text{yttersta}} \cdot \underbrace{f'(f(x))}_{\text{\"mittensta\"}} \cdot \underbrace{f'(x)}_{\text{inne}}$$

$x = 0$  ger

$$\begin{aligned} f'(f(f(0))) \cdot f'(f(0)) \cdot f'(0) &= \\ = f'(f(0)) \cdot f'(0) \cdot 2 &= \\ = f'(0) \cdot 2 \cdot 2 = 2^3 = 8 \end{aligned}$$

Bokföringsövning!