



$$\frac{dx}{dt} = 9$$

$$\frac{d}{dt} (l^2 = x^2 + (x^2 + 1)^2)$$

$$2l \frac{dl}{dt} = (2x + 4x^3 + 4x) \frac{dx}{dt}$$

$$\frac{dl}{dt} = \frac{(2x^3 + 3x) \cdot 9}{\sqrt{x^2 + (x^2 + 1)^2}}$$