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Q1
$$f(x) = \frac{0^4 \times 3}{6} \exp(-0x)$$

a) By the maximum log litelihood, show that the MLE est Θ is $\Theta_{ML} = \frac{4n}{Z_{i=1}^{n} x_{i}}$

$$\sum_{i=1}^{n} \left[\log(t) \cdot \log(\Theta^4 \times^3) \cdot \log(e^{1-\Theta_x}) \right]$$