

$$\begin{aligned} T &= 500 \text{ ms} + \frac{640,000 \text{ bit}}{1.536 \text{ Mbit/s} / 24} \\ &= 500 \text{ ms} + \frac{640,000 \text{ bit} \times 24}{1,536,000 \text{ bit/s}} = 500 \text{ ms} + 10 \text{ sec} = 10.5 \text{ sec} \end{aligned}$$