



$$T = 500 \text{ ms} + \frac{640,000 \text{ bit}}{1.536 \text{ Mbps} / 24} = 500 \text{ ms} + \frac{640 \times 10^3 \text{ bit} \times 24}{1536 \times 10^3 \text{ bit/s}} = 10.5 \text{ s}$$