Time-Space Diagram

\[ d_{tr} = \frac{L}{R} \]

\[ d_{prop} = \frac{d}{c} \]

- \( d_{tr} \) - time to transmit
- \( d_{prop} \) - propagation time
- \( L \) - packet length
- \( R \) - transmission rate
- \( d \) - distance
- \( c \) - propagation speed
Stop and Wait Protocol

\[ d_{tr} = \frac{L}{R} \]
\[ d_{prop} = \frac{d}{c} \]

Assuming:
- ACK is infinitely small
- “tight” \( TO = 2d_{prop} \)