

Tarea corta #4

12. Match the layers - link, Network, and Transport - with the guarantees that each layer could provide to higher layers.

Guarantee	Layer
Best effort delivery	Network layer
Reliable delivery	Transport layer
in-order delivery	Transport layer
Byte-stream abstraction	Transport layer
Point-to-point link abstraction	Network layer link layer

13. Suppose that two networks end points have a round-trip time of 100 milliseconds, and that the Sender transmits five packets every round trip. What will be sender's transmission rate for this round time, assuming 1500 byte packets? Give your answer in bytes per second.

- Tenemos los siguientes datos:

Round-trip-time (RTT) = 0.1s

- Paquetes enviados por cada (RTT) = 5

- Tamaño del paquete = 1500 bytes

- Tiempo de transmisión = $5 \cdot \frac{1500 \text{ bytes}}{0.1 \text{ s}} = 75000 \text{ bytes/seconds}$