

Question 3 [3 marks]

Computer A is connected to computer B via a 3km, 1Mb/s link. Computer B is also connected to computer C via a 6km, 1Mb/s link. The processing delay for a packet at each computer is $100\mu\text{s}$. There is no queuing delay. Every packet transmitted contains 125B.

(a) What is the propagation delay across the link from A to B? [1 mark]

(b) What is the transmission delay across the link from B to C? [1 mark]

(c) What is the total delay to send a packet from A to C? [1 mark]