(f) dprop < d trans, when t= d trans

the first bit of the packet would be at host B, waiting for the total bits to arrive so that the packet can be processed.

(g) S= 2.5 x10 L= 120 bits R= 56 kbps

 $dpnp = \frac{m}{5}$, $dtrans = \frac{L}{R}$

 $\frac{m}{2.5 \times 10^8} = \frac{120}{56 \times 10^3} \Rightarrow M = 535_7 \text{ (km)}$

P8. (a) $\frac{3M}{150|c}$ = 20 users can be supported.

CFDM - trequency division muliplexing can help 20 users use the Network simultaneously)

(b) 0, | 3 a user use 10% of time transmitting ie, at a moment, the probability of a user transmitting via network is also 10%