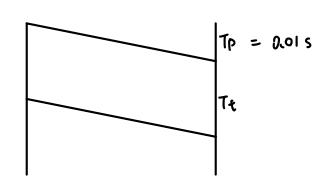
P4 a 16 170 2 connection can be setted through A-B-C Yes

B-A-D has 2 connections. B-A-D has 2 connections. Ps a 175 km/100 km/4 = 1.75 h = 6300 s 3 x lox 12 = 360 cs) 6300 + 360 = 6660 (S) $3 \times 1 \times 12s = 3 \times 96s = 188s$ 288 s+ 6500 s = 6588 s a dprop = m/s b atoms = L/A C d prop + d trons = M/s + L/R of the last bit of packet just left from A e the first bit of parket is obtains. 5 meters away From Nort A + the first bit of parket is in host B olprop = m/2.7×108 m/s ations = 1300 byte / 10 Mbps = 12000 bits / loxlo bits/s = 0.00 12 (5) dtrans = dprop $\frac{m}{2.5 \times 10^8} = 0.0012$ $M = \frac{300000 \, \text{m}}{2.5 \times 10^8} = \frac{3000000 \, \text{m}}{2.5 \times 10^8} = \frac{300000 \, \text{m}}{2.5 \times 10^8} = \frac{3000000 \, \text{m}}{2.5 \times 10^8} = \frac{300000 \, \text{m}}{2.5 \times 10^8} = \frac{3000000 \, \text{m}}{2.5 \times 10^8} = \frac{30000000 \, \text{m}}{2.5 \times 10^8} = \frac{3000000 \, \text{m}}{2.5 \times 10^8} = \frac{30000000 \, \text{m}}{2.5 \times 10^8} = \frac{3000000 \, \text{m}}{2.5 \times 10^8} = \frac{30000000 \, \text{m}}{2.5 \times 10^8} = \frac{30000000 \, \text{m}}{2.5 \times 10^8} = \frac{300$

Pr Jb byte = Jb×8 bit = 448 bits



and to end delay =
$$\frac{d_1}{51} + \frac{L}{R_1} + \frac{d_1}{5_2} + \frac{L}{R_2} + \frac{d_2}{5_3} + \frac{L}{R_3} + 2 d proc$$

= $\frac{1000 + 4000 + 1000}{2.5 \times 10^6} = \frac{1000 \text{ lates}}{2.5 \text{ Mb/s}} \times 3 + 2 \times 0.00 \text{ s}$

= $\frac{1000 + 4000 + 1000}{2.5 \times 10^6} = \frac{1000 \text{ lates}}{2.5 \text{ Mb/s}} \times 3 + 2 \times 0.00 \text{ s}$

= $\frac{1000 + 4000 + 1000}{2.5 \times 10^6} = \frac{1000 \text{ lates}}{2.5 \times 10^6} \times 3 + 0.00 \text{ s}$

= $\frac{1}{25} + \frac{26}{2500} = \frac{1000 \text{ lates}}{2.5 \times 10^6} = \frac{136}{2500} = 0.0544(s) + 0.00 \text{ s}$

= $\frac{1}{25} + \frac{26}{2500} = \frac{1000 \text{ lates}}{2500} = 0.0544(s) + 0.00 \text{ s}$

Pix
$$L = 1300 \text{ bytes}$$

$$R = 2.3 \text{ Mbps} = 2500000 \text{ bits/s}$$

$$TQ = (4+\frac{1}{2}) \times \frac{1300 \text{ bytes}}{2300000 \text{ bits/s}}$$

$$= \frac{9}{2} \times \frac{6 + 2000 \text{ bits/s}}{23000000 \text{ bits/s}}$$

$$= \frac{14}{2300} \quad \text{s} \approx 0.0216 \text{ (s)}$$

$$T_Q = \frac{(L-x)+ L \cdot n}{R}$$

Pro Min $\{R_s, R_c, \frac{R}{M}\}$

b. 400000 bits.

C The maximum data present on the line.

d. $2000 \text{ km}/400000 = \frac{2000 \text{ km}}{40 \text{ km/s}} = 50 \text{ m} (109.7) \text{ km of 120 km/s}$ No, it is not longer from a footbal field.

e $R \cdot \frac{m}{s}$ undth of bit = $m/(R \cdot \frac{m}{s}) = S/R$

