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山东外。多

6. a. dprop = m/s

b. dtrans = L/R.

c. dis if in = dprop + dtrans = m/s + L/R.

d. d=dtrans,所有比特刚胚传输完成,最后一个比特化传播的起点。

e. M = t·s = dtrang·S = 一个在传播的路上,那明日长5处

fd. 带一个比特已传到B.

9. m= = = = 10 × 10 = 10 × 10 = 37500 m

7. $t = \frac{560 \times 80}{64 \times 80} = 0.875 \times 10^{-3} \text{ s. } \times 8 = 7 \times 10^{-3} \text{ s}$

 $d_{\text{trans}} = \frac{16 \times 8b}{10 \times 10^{6} \text{ bps}} = 5.6 \times 10^{-6} \text{s} \times 8 = 44.8 \times 10^{-6} \text{s}$

ta = 2 x t软旗 + 10 ms + derans = 125506 ms. 24.0448 ms.

 $xs. \ a. \ R. \ to prop = R. \frac{m}{s} = s \times lo^6 \times \frac{2 \times lo^7 m}{2.5 \times lo^8 w/s} = 4 \times lo^5$

b. $t_{trans} = \frac{L}{R} = \frac{8 \times 10^{5} b}{1 \times 10^{6} bps} = 0.165$.

每个比特需传输的对ia): $\frac{0.165}{8 \times 10^5} = 0.02 \times 10^{-5}$

 $t_{prop} = \frac{m}{s} = \frac{2 \times 10^7 \text{m}}{3.5 \times 10^8 \text{m/s}} = 0.08 \text{s}.$

i'. $n = \frac{0.085}{0.02 \times 6^{-5}} = 4 \times 10^{5} \uparrow H + \frac{1}{3}$

C. 由a.b可知, R. tprop 与在链路上具有耐最大比特数量相等。 可知, R. tprop 即传唤播曲的最大比特值。

d.
$$w = \frac{2 \times 10^7}{4 \times 10^5} = 50 \text{ m.} \quad \text{KRikthKEAE.}$$

$$e. W = \frac{m}{R \cdot \frac{m}{s}} = \frac{s}{R}.$$

33.
$$t_{trans} = \frac{L}{R} = \frac{80+S}{R}$$
. $\Lambda = \frac{F}{S}$. $\Lambda = \frac{F}{S}$. $\Lambda = \frac{F}{S}$.

$$t = \left(\frac{F}{8} + \frac{3}{8}\right) \frac{80+3}{R}$$

$$= \frac{160 + 2S}{R} + \frac{F}{R} \cdot \frac{80 + S}{S}$$

$$\frac{1}{2} \frac{1}{R} + \frac{1}{R} \frac{1}{R} + \frac{1}{R} \frac{1}{R} + \frac{1}{R} \frac{1}{R} \frac{1}{R} + \frac{1}{R} \frac{1}{R} \frac{1}{R} + \frac{1}{R} \frac{$$

$$+3$$
 是 $=(\frac{F}{5}+2)\frac{L}{R}$ 小 $n\uparrow 价值, m\uparrow 磐由器 =) $t=(n+m)\frac{L}{R}$$