

★ Exercise 1:

d_{trans} : 指从计算机中传出 packet 所需的时间
或从路径传到计算机或 Router 所需的时间

d_{prop} : 指路径上传输消耗的时间
(物理).

Circuit: $T = s + \frac{p}{R} \times n + d + d + d$

此时 the last packet 被传出计算机

packet: $T = \frac{p}{R} \times n + d + \frac{p}{R} + d + \frac{p}{R} + d$
 (wait) last bit of last pkt just arrived to the first router
 second. final.

只想着最后一个
来计算

★ Exercise 2:

(Q1) $d_{trans} = 10ms, n=10$

$T = \underbrace{10}_{trans} + \underbrace{50}_{prop} + 10 + 50 + 10 + 50 = 180ms$

(Q2) use the last one to calculate:

$T = 10 \times 10 + 50 + 10 + 50 + 10 + 50 = 270ms$

$d_{trans} = 10 \times 10 = 100ms$

(Q3) $T = 100 + 50 + 100 + 50 + 100 + 50 = 450ms$