DATE: / /

#6.	803901023
a) d prop = m/s (sec)	許美自
b) $d_{\text{trans}} = 1/R$ (sec)	电铜事机
c) dend = m/s + 2/R (sec)	#691 1824
d 此 bit 剛雜開 host A	25.31
el 第一分bit 仍在 link之中, 尚未抵達 host B.	
引 第一寸 bit 已经抵達 host B.	
9) m = ?	
$m = (\frac{2}{R}).S = \frac{170}{56 \times 10^3} = 2.5 \times 10^8 = 536 \text{ km}$	
3000	
#9 link. / Mbps rate:) to kbps	•
p=01 1Mbps > 1Gbps	11/10/2005
a) X:?	
16 109 = 104 = 1000.	
packet switching: binomial distribution	
$\Rightarrow = (M) P^{n} (1-P)^{M-n}$	•
n·N+1 是因为"more than Nusers"	
The same of the sa	
#14 a) transmission delay . 2/2	
V	
total delay	0
$\frac{1}{R(1-I)} + \frac{1}{R} = \frac{1/R}{1-I}$	
	Per-Duet

0 0 0 0 0			DATE: /	/
b) let x: 2/2. to	tal delay:	1-ax.	• • •	•
14	ν χ			
	f 1-ax.	a given		
			1	
1	- x .			
X= 0 ,				
total delayed			**	
V				
1 f				Fi L
	albi d	911 5		
		-		
,				
24 40T - 40 x 1012 x 8 bits	•		F.77 - 555	
* - 1		1, 1, 1, 1		
40 x 1012 x d = 3200000 se	320000	= 37 days		
, , , , ,	DV×ZT	1		
cf FedEx overnight delivery	. 46 1.	2	. 1	
redtx overnight delivery	y diditita	cost <	100\$	
	~ kladar	新以用Fe	(Ex \$ XI)	
			N / 1	

NO:

Per-Duet

DATE:	1 1
#25. dates = 20000 km = 2×10 m	• •
R = 2Mbps speed = 25 x hor m/s	
a)	
Rxdprop = 2x/06 x 008 : 16x/04 - 160000 bits	
b) file size = fooooo bits	
max = 160000 bits	
c) bandwidth-delay product of a link	
= maximum # of bits in the link	
d) width of a bit = 2×10 m 160000 = 125 m. / bit	
football field length = 109.93m., - I bit is width	較意
el s/R	
#3]	
a) $t = \frac{8 \times 10^6}{2 \times 10^6} = 4 \text{ sec}$, source host $t = 1 \text{ st packet swit}$	ch
	•
4 sec < 3 hops = 12 sec, total time from source host	to destination /
b) 1 x 10 t . 5 msec = 0.005 sec , 1 st packet # soc }	1st packet Swit
2×5m = 0.0/sec, and packet & 1st packet switch	is received
c) 000\$ sec × 3 hops =)5 m sec = 0.015,)st. packet # d	
0.015+ 799 × 0.005 = 4.01 sec, South gacket -4	
delay in using message. segmentation is significant	less . gro

NO: