	Computer Networks Assignment 1.		
	1911/202		
	VISUAL SONT		
	VISITION SIGNATURE IN THE PROPERTY OF THE PROP		
2.			
	A HOUMER RE 200 Mbps B		
Manage 872 = 1 m + R = 1051 14			
	Message size = 100 kB = 105 bytes. Meterdate = 100 bytes.		
	1 Packet =>		
packet size = 100000 + 100			
= 100100 bytes			
	= 80 0800 bits:		
	transmission delay & unk 1) > 100100 x8		
	4W × 106		
	2 250 25 ×8 Ms.		
	1, 4 (link2) = 1001W-8 = 1001		
	àv · 106		
	10 " (cinks) = 1020.8 = 500.5 x 8 ms		
	dr. wc		
	total time 2 1751.70 88 M		
	= 14.014 ms		
	10 partheres => Packet 872 - 100000 + 100 > 10100 bytu 10 - 10100 × 8 bits		
	Packet 372 - 100 00 7 201 50 × 8 6175		
	transport of the state of the s		
	fransmission dalay & time for 1 partet		
	12: 25.25 ×8 mg / time for 1 parlet = 176.45×8 mg		
	121 10188 V3: 50.5x18W		

25.25.4 50.5.+ 10 (101) 28 ail A time for 20 parkets? Message size: 100 kg. parket 8i2ez 100000 + 100 2 2100 byter 50 = 200000 byter = QWONS bat transmission reck & 115 2100 X8 = 5-25 X8 LLS 12: 2100 ×8 = 21 × 115 L3, 2100 08 = 10.5 ×8 M. 00 × 106 Astal Lome = (5.28 + W.5 + 21×50) ×8 = 8.826 ms, Los parlats of & parket size = 100000 pln = 1100 bytes - ((W xx L) total time: [100 p 100 p 100x1100] x8 ms
40 200 ms

		Date//
		Page
<u>r</u>	el very time for ;	
	1 Packet: 14.014ms 10 Packets: 8.686ms 80 11: 8.826ms 100 : 8-866ms	
	ruckets jue the lowest	delinery time.
(3)	LOO Graps	
(a)	Propagation delay = time taken to travel from sender to	for Lit bit
	speed of propagation	
	= 10 × 1000 metus 2 × 3 × 108 metus	
	= 50 ms	
(b ²)	It takes some for the first to reach RL, no gottes the road size the road size the road size that R care and reach R care and	- bit sout by RI
	= 50 µs x ms as = 5 Mb = 5 Mb = 5 Mb = 10 km = 10 x 1000 5x 106 bigs 5x 106	0

Webpage 92e2 1kB +. 10 objets 3 200 kB H. let: time taken to wad 123 -> t see a) HTTP 10 (non-persistant) total fine greguired: = 22 RTT + Lime for Localy files 1+1+ 2×10. = 20×10 ms + 100 1.t = 100lt + 0.22s. (b) HTTP 1.1 (persissunk) total time greenived = $\frac{1}{2} + \frac{1}{2} + \frac{1}{4} = \frac{12}{2} = \frac$ Le Le de fine taken conversor metopage 20.6 jeets to load files. = 1001t + 0.12s. (1) HTTP 2.0 (persistent + pipelind & darefremer 2 1kb lach) = |+ |+ | = 3RT + Wolt

Ann wether | Gles > Wolt + 0:03 s