Howerout #2 CS 372 Rhea Mae Edwards 94/100 Kersen arestar RS) Processes indifferent hosts communicate ty exchanging newscess. I harder to receive making es, a process must have an interficer.
An identifier is the more making that is used by a process i in ming an one has to identify a process in thing manather host, which includes both the IP address and post numbers associated with the process on the host. PG) You would want to use UDP to do a transaction from a remote client to och + heed to settle the wind to he can have before sending and sending the chart and se data which would take up more time to do RII) HTTP, FTP, SMTP, and POPS run ontop of TCP ratter than on VPP primarily because TCP provides reliable data transfer, guaranteeing that all data uniterentually got to its destination. R13) Well ownell when Web codming, Here con be a reduction in the delay in heering a recurshed abject or flind by the ollowing process. When a web series receives the identifier of the requested yeat, it can acess delay the control of the transfer of the requested fresh to not reduced to the transfer of the transfer of the control of the delay in the control of the transfer of the delay in the control of the transfer of the delay for some of the object, because decreases, of sets that howe not transcribed of the delay for some of the object, because the control of that information had been seen so the transfer of the properties of the transfer of the produced of the delay for respective of the produced of the delay for respective of the produced of the pr Prohems PM) Figure 2.12: An Institutional Network Corrected to the Internet Average Object Size = 850,000 bits Average Pearlest Rate = 16 requests/second (Inditate them's Brawas & orightal Servers)
Average Response Tame = 5 seconds B = Amaid Rate of orgas-to the (Internet Side + Forward HTTP Recklest) Access 1911K Total Average Response Time = Average Access Deby + Average Internet Delay Delay from Internet router to Institution router Average Acces Delay = $\Delta / (1 - \Delta \beta)$ $\Delta = Average Time Regulared to Sold Object over Acces link$

P22) F=15 Gb9ts server upload rate = Us = 30 Mbps download rate = ch = 2 Mbps peer upload rate = u 20/20)

A Chart grung wansmum distribution time for each combination.

N and I for both disent-server distribution and Pardistribution.

Des 7 max & (1600.18.1024)/30, (18.1024)/2}=

	1	er productive transport of the following the posterior water		
	Horrework #2	(S372	Rhea Mae Edwards	-
	Pap Distribution	OS 3 12		-
	300 Kbps 7	10 100	1000 17889s	Control and the second
		0008 130103	7660 5	-
		1000		
	Drap > mox & (15.1024) (30) (15.1024) / 2, (10.15.1024) / (30) (300) 1024) }= mox & 512, 7680, 5070 \$= 1680 5			
	DP2P > MOX & (15-1024)/30, (15-1024)/2, (10-15-1024)/(30 +(100)/02 103			
	DAD > max & (15.1024)/30, (15.1024)/2, (10.15.1024)/(30+2) = max & SV2, 7680, 4800 & = 7680 5			
	Dpp> max & (15 1024)/30, (15.1024)/2, (100.15.1024)/230+(300/1024)/3= 1700x & 572, 7680, 259048 = 259048			
	$D_{BP} \ge \max_{1000} \frac{(15.1024)(30, (15.1024))}{(15.1024)(30, (15.1024))} = 0$			
	DESP > WOX & (15.102)	t) 130 , (15-1024))2, (11 -80 , 4800} = 76805	000 × 1024)1(20+30)2-	
	DAD > max & (15.1024)/30, (15.1024)/2, (1000 · 15.1024)/(30+(300)1024))/8 = DAD > max & (15.1024)/30, (15.1024)/2, (1000·15.1024)/(30+(700)1024))/8 = DAD > max & (15.1024)/30, (15.1024)/2, (1000·15.1024)/(30+(700)1024))/8 = MAX & SY2, 7680, 21525 & 21525 s			
	DBb > max & (12.103)	4)/30, (15.1024)/2, (16.1024)/2, (16.1024)/2, (16.1024)/2, (16.1024)/2, (16.1024)/2, (16.1024)/2, (16.1024)/2,	.55 .00.15.1024) 1/3040 ?=	
DP2P > max & (15.102-1) to, (15.1024) /2, (1000.15.1021) /(30+2)3.				
	P26) Bob goans 1891 1	ony other peers (free-racking)		
(19/10) a) yes, at to possible for Eob to claim that he am receive a complete copy of the file that as shared by the swarm, because it too wasts around 1000 enough, all the parts of the file an have teen countred and shared throughout the swarm, later giving Eob a complete file. I have a true dam, Eob an combine different parts of the file from each dente each amputer file a single complete file.			
				1

Rhea Mae Edwards Howemark #3 CS 372 Additional Questions Chant sends HTTP GET investage to Web Server Requesting Easic HTLLL object Size = 5×10 Relationces 3 tree objects Round-Trip = SFRE = 5×100 bets Round-trip = 0.75 3 Mbps ps Transmission Rate = 2 x 108 bps (1) Thre rection you-besident) Total Non-Response Time PEROBJECT: 2RTT + 1918 transmission time 4(2(0.75)+(5100)(2×100))=[165] 6) RTT + 4 (RTT + Transmission Tring) = [13.75s] ~ (Resistent and No Propering) - P Establishing connection c) RTT + 2(RTT + Tremonts on 19me) = [2.75s] (Personent and Perpension)