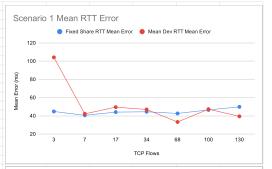
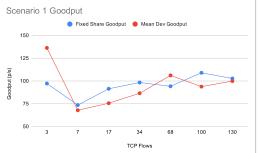
Runs (Fixed Share)		Total	7	Total	17	Total	34	Total	68	Total	100	Total	130	Total
Mean RTT error 1	52.5131	1832	58.42450363	1762	32.8436	1752	57.38462709	4995	39.78647195	5751	38.77080084	30881	37.77615705	32242
Mean RTT error 2	50.1401	735	36.5786	280	46.91582885	4513	52.84067644	8505	39.56137405	12183	37.26525289	27721	42.21340393	17760
Mean RTT error 3	39.50909854	1006	36.44387732	7191	37.67182364	1100	37.20074377	5828	36.47591266	13333	61.33995899	27232	52.54040403	52070
	35.1744	1015	45.62660331	2868	46.66233257	4821	38.54000595	2587	48.89927486	24004	45.16045799	31658	59.6282465	33573
		304	34.38526257	2562	45.58361303	867	34.13583907	7730	41.66706185	16606	51.42376737	25412	51.48184629	31996
Fixed Share RTT Mean 14	44.74708228		40.52417965		44.0659026		44.40631241		42.61200365		46.44510647		49.82420781	
Goodput 1 1	132.3374756	1720	125.267404	3861	25.75474622	3781	68.3582381	11011	66.87535762	12432	105.479069	64636	105.0879152	67617
	105.9991973		56.99168359	632	94.8097525	9742	102.0899698	18195	111.5022259	25648	111.9630622	58093	88.79434586	38216
						/ / ·-								
	136.1497288		51.9734855	14865	135.5898295	2297	99.29624786	12556	77.48508424	28225	108.5534651	56899	110.4427672	108585
Goodput 4	13.84775217	2266	117.8837251	5947	94.27506625	10157	132.790444	5453	110.1512951	49676	121.5431108	65564	90.39517025	70270
Goodput 5	132.4093378	667	49.10282963	5430	136.408528	1884	101.9617148	16048	81.9885	35116	94.82318548	53649	108.6750695	67833
Fixed Share Goodput	07 17330657		73.53001238		91.41849386		98.27815847		94.17264367		108.9362587		102.7324521	
r ixed oriale occupat	57.17335037		73.33001230		51.41045300		30.2/01304/		54.17204307		100.5302307		102.7324321	
Delivery Ratio 1	0.976286871	1729	0.9515669516	3861	0.9656175615	3781	0.9568613205	11011	0.9556788932	12432	0.9772108423	64636	0.9750802313	67617
Delivery Ratio 2	0.9587750294	1698	0.9208860759	632	0.9605830425	9742	0.9709260786	18195	0.9714987523	25648	0.9786032741	58093	0.9650669876	38216
Delivery Ratio 3	0.964736613	2297	0.9886982846	14865	0.9634305616	2297	0.9624880535	12556	0.9728255093	28225	0.9760979982	56899	0.9805590091	108585
	0.9501323919	2266	0.9772994787	5947	0.9715467166	10157	0.9581881533	5453	0.9852242532	49676	0.9799890184	65564	0.9798206916	70270
,	0.9430284858	667	0.9596685083	5430	0.9347133758	1884	0.9735792622	16048	0.9734024376		0.9743331656	53649	0.9729777542	67833
Fixed Share Delivery Ra	0.9603788841		0.9753050268		0.9637486092		0.9663784519		0.9753999087		0.977362544		0.9762226931	
Retransmit Ratio 1 (	0.0237131289	1729	0.04843304843	3861	0.03438243851	3781	0.0431386795	11011	0.04432110682	12432	0.02278915774	64636	0.0249197687	67617
	0.0237131287		0.07911392405		0.0394169575	9742		18195	0.02850124766			58093		38216
						/ / · · · ·								
	0.0352633870		0.01130171544			2297		12556	0.0271744907		0.02390200179		01045 11055 050	108585
Retransmit Ratio 4	0.0498676081	2266	0.02270052127		0.02845328345		010110110100	5453	0.01477574684		0.02001098164		0.0000	70270
Retransmit Ratio 5	0.0569715142	667	0.04033149171	5430	0.0652866242	1884	0.02642073779	16048	0.02659756236	35116	0.02566683442	53649	0.02702224581	67833
Fixed Share Retransmis	0.0396211158		0.02469497316		0.03625139083		0.03362154814		0.02460009133		0.02263745604		0.02377730688	
Onare (Venanorilla)			2.02.00401010		2.0002010000		2.00002104014		2.02.100000100		ULLUU/ 40004		020,,700000	
	22407.18033			1709		1781	50629.60602	4985	343968.1206	5690	384291.7116	29921	450114.2001	31357
Cwnd 2	14731.98762	727	70088.7482	278	164738.2315	4471	373597.9755	8311	395295.3571	11878	408899.0425	26887	152450.2115	17402
Cwnd 3	164034.3422	1052	25907.00429	6996	149041.5	1056	163414.4639	5700	83774.56902	13010	285754.0924	26440	662149.9576	50437
Cwnd 4 1	17013.05009	1058	402593.5695	2755	672615.206	4699	215954.5294	2486	397340.9768	23263	459568.2672	30530	251594.8482	32729
	78257.82935	293	214624.8165	2501	84621.88263	835	250727.7348	7488	285178.9793	16226	157131.6785	24855	366755.389	30965
Fixed Share Cwnd 5	53856.28414		144430.2542		324884.2688		231381.9828		308462.7751		346121.9632		428234.1173	
Runs (Mean Dev) 3		Total	7	Takal	17	Tatal	34	Total	68	Total	100	T-4-1	130	Total
,				Total		Total				Total		Total		
Mean RTT error 1 2	20.8002	881	110.356	87	72.84483192	2168	99.64600739	5198	34.2207667	21047	50.50746269	16324	35.35063559	31673
Mean RTT error 2 2	28.9736	530	35.12038416	4362	35.20107721	5993	45.00825669	7501	34.79004448	15485	45.32734873	21432	32.79631317	29242
Mean RTT error 3	71.60690051	1572	304.356	306	100.3574471	1077	30.95709494	14705	32.56562106	17358	50.18848873	17660	50.82729407	17455
	751.475	122	20.5723	4580	53.44403092	2545	63.80585455	6812	35.92043545	13450	38.00027452	14558	39.91220814	32871
	187.2033541	1028	70.7105	1520	43.44040701	4923	33.97285833	10769	29.47612627		51.33706147	17828	45.97707155	16691
Mean Dev RTT Mean Er 1	104.1306629		42.15846317		49.49388269		46.93320337		33.21415552		47.27356322		39.43687571	
Goodput 1	136.2631994	1902	54.12932572	254	57.88203271	4719	55.17786571	11271	103.4168245	44277	89.51235675	34993	94.5170091	67549
	137.1731712		57.01907259	9081	79.22958498	12703	92.42304197	15820	83.22080918	33221	83.76779255	46126	114.306308	61256
Goodput 3	136.9462814	3244	136.4219182	658	101.2579623	2372	95.36732896	30490	125.2699342	35948	94.31698043	37561	100.8937349	37666
Goodput 4	136.4475924	305	55.95135953	9806	108.7231015	5494	76.69518839	14219	106.0290886	28257	99.17762209	31188	107.6382722	69266
	134.7481059	2158	123,4006327	3120	56.39202797	10788	91.98807076	23106	111.1012254	39426	105.0312223	37794	68.68327576	35424
-	136.2642458		67.84648871		75.54785825		86.48343999		106.1299389		93.79374031		99.85008534	
weari Dev Goodput	130.2042438		07.040488/1		73.34763623		00.40243999		100.1299389		23.12214031		JJ. 030000334	
Delivery Ratio 1	0.9789123196	1802	0.8228346457	254	0.9605848697	4719	0.961848993	11271	0.9788829415	44277	0.9669648215	34993	0.9716206013	67549
Delivery Ratio 2 (	0.9629294756	1106	0.9833718753	9081	0.9740218846	12703	0.9699747155	15820	0.9713434274	33221	0.9652473659	46126	0.9777491185	61256
	0.9737977805		0.9346504559	658	0.9574198988	2372	0.9819285011	30490	0.9796094359		0.9684513192	37561	0.9617426857	37666
	0.8590163934			9806		5494		14219				31188		69266
,			0.9751172751		0.957772115		0.9758773472		0.9708744736		0.9652109786		0.9772615713	
,	0.9615384615	2158	0.983974359	3120	0.9609751576	10788	0.9697481174	23106	0.9803682849	39426	0.9693072975	37794	0.969568654	35424
Mean Dev Delivery Ratic	0.9663377829		0.976744186		0.9647965406		0.9736792194		0.9767182505		0.9670204943		0.9728058238	
Retransmit Ratio 1 (	0.0210876803	1802	0.1771653543	254	0.03941513032	4719	0.03815100701	11271	0.02111705852	44277	0.03303517846	34993	0.02837939866	67549
	0.0370705244			9081		12703		15820	0.02865657265		0.03475263409	46126		61256
Retransmit Ratio 3	0.0262022194	3244		658	0.04258010118	2372	0.01807149885	30490	0.02039056415	35948	0.03154868081	37561	0.03825731429	37666
	0.1409836066	305	0.02488272486	9806	0.04222788497	5494	0.02412265279	14219	0.02912552642	28257	0.03478902142	31188	0.02273842867	69266
Retransmit Ratio 4 (		2158		3120	0.03902484242	10788	0.03025188263	23106	0.01963171511	39426	0.03069270255	37794	0.03043134598	35424
	0.0384615384		0.02325581395		0.03520345936		0.02632078056		0.02328174947	· · · · · ·	0.03297950571		0.02719417615	
Retransmit Ratio 5					U.U352U345936		0.02032078056		0.023261/4947		0.03297950571		0.02719417615	
Retransmit Ratio 5 ( Mean Dev Retransmissic	0.0336622170													
Retransmit Ratio 5 ( Mean Dev Retransmissic			22518.30588	85	95674.2995	2187	163010.4319	5154	365931.5105	20575	289729.0458	15992	391210.5604	31002
Retransmit Ratio 5 ( Mean Dev Retransmissic C Cwnd 1 2	0.0336622170 225924.6351			85 4235		2187 5872		5154 7275	365931.5105 113577.0341	20575 15172		15992 21116	391210.5604 371783.818	31002 28309
Retransmit Ratio 5 ( Mean Dev Retransmissic C  Cwnd 1 2 1  Cwnd 2 1	0.0336622170 225924.6351 136145.053	844 509	22518.30588 28701.05691	4235	567046.9273	5872	414904.2645	7275	113577.0341	15172	166708.3349	21116	371783.818	28309
Retransmit Ratio 5 ( Mean Dev Retransmissic C  Cwnd 1 2  Cwnd 2 1  Cwnd 3 3	0.0336622170 225924.6351 136145.053 379202.3942	844 509 1507	22518.30588 28701.05691 78793.81695	4235 295	567046.9273 124728.1344	5872 1064	414904.2645 588147.4053	7275 14246	113577.0341 478042.5704	15172 16714	166708.3349 145848.8493	21116 17184	371783.818 221602.4426	28309 17031
Retransmit Ratio 5 ( Mean Dev Retransmissic C  Cwnd 1 2  Cwnd 2 1  Cwnd 3 3  Cwnd 4	0.0336622170 225924.6351 136145.053 379202.3942 31628.5042	844 509 1507 119	22518.30588 28701.05691 78793.81695 26535.93629	4235 295 4552	567046.9273 124728.1344 164364.4616	5872 1064 2502	414904.2645 588147.4053 80048.16979	7275 14246 6620	113577.0341 478042.5704 416659.3833	15172 16714 13082	166708.3349 145848.8493 207007.0504	21116 17184 14255	371783.818 221602.4426 704346.9507	28309 17031 32014
Retransmit Ratio 5 ( Mean Dev Retransmissic C  Cwnd 1 2  Cwnd 2 1  Cwnd 3 3  Cwnd 4	0.0336622170 225924.6351 136145.053 379202.3942 31628.5042	844 509 1507	22518.30588 28701.05691 78793.81695	4235 295	567046.9273 124728.1344	5872 1064	414904.2645 588147.4053	7275 14246	113577.0341 478042.5704	15172 16714 13082	166708.3349 145848.8493	21116 17184	371783.818 221602.4426	28309 17031
Retransmit Ratio 5 ( Mean Dev Retransmissic  Cwnd 1 2  Cwnd 2 1  Cwnd 3 3  Cwnd 4 3  Cwnd 5	0.0336622170 225924.6351 136145.053 379202.3942 31628.5042	844 509 1507 119	22518.30588 28701.05691 78793.81695 26535.93629	4235 295 4552	567046.9273 124728.1344 164364.4616	5872 1064 2502	414904.2645 588147.4053 80048.16979	7275 14246 6620	113577.0341 478042.5704 416659.3833	15172 16714 13082 18363	166708.3349 145848.8493 207007.0504	21116 17184 14255	371783.818 221602.4426 704346.9507	28309 17031 32014
Retransmit Ratio 5 ( Mean Dev Retransmissic  Cwnd 1 2  Cwnd 2 1  Cwnd 3 3  Cwnd 4 3  Cwnd 5	0.0336622170 225924.6351 136145.053 379202.3942 31628.5042 166614.541	844 509 1507 119	22518.30588 28701.05691 78793.81695 26535.93629 387286.7633	4235 295 4552	567046.9273 124728.1344 164364.4616 64280.01325	5872 1064 2502	414904.2645 588147.4053 80048.16979 347024.9472	7275 14246 6620	113577.0341 478042.5704 416659.3833 333645.4624	15172 16714 13082 18363	166708.3349 145848.8493 207007.0504 290998.3509	21116 17184 14255	371783.818 221602.4426 704346.9507 168836.479	28309 17031 32014

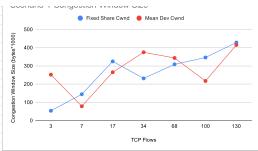




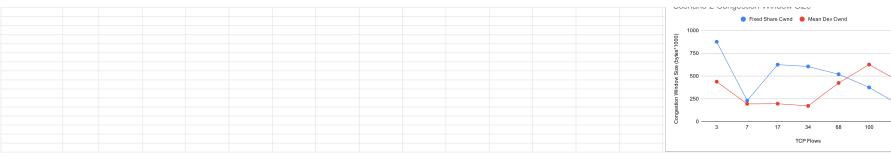


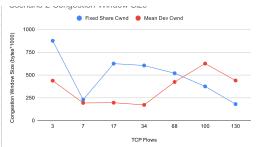




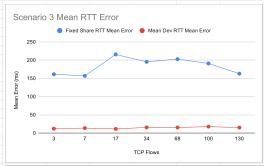


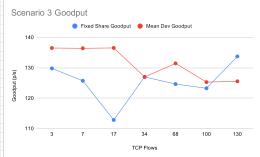
Mean RTT error 1															
	3	Total	7	Total	17		34	Total	68	Total 10		Total		Total	
		31	39.32030313	2816	43.32980901	6113	63.28792514	12999	36.41592035		2.86968867	9455	45.67950411	18287	Scenario 2 Mean RTT Error
		4392	35.62340195	1025	42.7641	2908	35.47082402	2814	34.59573436		7.88173233	11982		8311	● Fixed Share RTT Mean Error ● Mean Dev RTT Mean Error
		3742	35.7035	199	42.61354026	3214	33.23841893	7143	35.49368026		9.56627278	14649		11951	_
	43.9876	968		1137	35.85672224	2401	37.03587824	7551			5.65377883	14132	1210210000	20384	60
	43.77648207	2259	30.7511	229	38.73585973	5357	43.93280366	6997	52.83758917		5.21738567	14510		11487	
ed Share RTT Mean I	138.65808722		39.03051332		41.00400312		46.58096224		43.44115857	35	9.1313438		44.00002516		50
-44	53.09713396	124	136.3155252	5836	71.44062199	12627	80.94212246	26861	115.2218798	23543 13	5.0490881	19538	76.12953424	38525	· · · · · · · · · · · · · · · · · · ·
	136.8647684			2280	136.4203153	5863	99.0835023	5907	110.6439038			25205		17752	50 40
	137.0720956			449	136.5965578	6630	87.01832336	15128			12.2263485	30852		25127	¥ 40
	137.6850676			2432	126.4738678	5041	131.3125352	15529				29411		42753	l Ba
	137.6850676			517	136.5652021	10910	131.3125352	15529				2991		24227	₩ 30
				317		10910		14294				29991		24221	
ked Share Goodput	136.3193559		135.6090502		115.288874		103.2139186		101.4383806		2.0246156		90.59860554		
li Datia 4	0.7089552239	124	0 9797806717	5926	0.9844777065	12627	0 9832470869	26861	0.9747695706	23543 0	9777868769	19538	0.9702790396	38525	20 3 7 17 34 68 100 13
mirery reduce i	0.708933223			2280	0.9926658707			5907				25205		17752	
	0.9891734882			449	0.9755656109			15128			9772786205	30852		25127	TCP Flows
	0.9891734882			2432	0.9692521325			15529				29411		42753	
	0.986970684			517	0.9853345555		0.9859381559	14294				29991		24227	
				517				14294			9784602047	29991		24227	Scenario 2 Goodput
ed Share Delivery Ra	u.900/436926		0.9684731631		0.9825667746		0.9797732858		0.9794526687	0.	9152009322		0.9694778413	H	● Fixed Share Goodput ● Mean Dev Goodput
stronomit Dotio 4	0.2910447761	124	0.02021932831	5026	0.0155222935	12627	0.01675291315	26961	0.02523042943	22542 ^	02221312314	10529	0.02972096042	20525	150
	0.2910447761						0.016/5291315		0.02523042943				0.02972096042		100
	0.0042749463		0.03464912281		0.007334129285		0.03402742509		0.02481469546		03277127554		0.0366/192429		•
tranomic reado o	0.010826511	1511	0.095/683/416		0.02443438914		0.03291909043		0.019/111/651		02272137949		0.03151987901		125
	0.0211586901		0.03330592105		0.03074786749		0.0142958336		0.01641681518		02482064534		0.02694547751	12700	
etransmit Ratio 5 xed Share Retransmis:	0.0.00		0.08123791103	517	0.01466544455		0.01406184413	14274	0.02209526432		02153979527	£2221	0.03256697074	24221	Š 100
co onare retransmis	. 0.01120030/4		0.03152063089		0.01743322339		0.02022071419		0.02004/33126	0.	0241 1200103		0.030322136/2		nd g
wnd 1	8324.75	32	343884.2149	2699	987012.6285	5932	929308.2657	12654	369440.5331	10886 5	1642.5434	9088	122794.1526	17948	
	1125064.128		45785.67032	1004	744772.1928	2780	127141.468	2735	334566.0578		78308.375	11668		8146	75 ————————————————————————————————————
	935355.4838			193	288586.5057	3081	150782.1816	7020	516404.3853		86854.3344	14252		11667	
	248168.5782		165498.8352	1092	129750.5577	2347	628154.9048	7020				13719		19795	50
	573813.2877			221	569830.4253		635679.9519	6720	482743.7213		79702.6692	13987		11188	3 7 17 34 68 100 13
	875561 4583	2102	229813.645	221	624936.9849	3120	604537.7666	0720	519524.1328		4934.9369	13707	180842 1906	11100	TCP Flows
															13/110110
															0
uns (Mean Dev)	3	Total	7	Total	17	Total	34	Total	68	Total 10	00	Total	130	Total	Scenario 2 Delivery Ratio
,	160.5976727		68.33044595	814	37.05408478	2385	36.50372369	7546	28.14844199			20776		18533	<ul> <li>Fixed Share Delivery Ratio</li> <li>Mean Dev Delivery Ratio</li> </ul>
		1549	83.2640974	576	16.4253849	2205	41.25014961	2195	30.73468872		).4977775	14277		25374	0.99
diritti diroi E		665		2776	35.12915824	3918	70.10129423	4730	27.02678166			17975		26028	0.55
			12.31044207	2827	49 85604561	4834	47 984851	3239	26.36431241			21164		11978	
	64 1343	1712	43 05041733	2753	55 03011962	1001		5387			909122	24282		12316	0.98
Dailitti Cilol 4		1712										24202	30.04000700	12310	
ean RTT error 5	12.7161	1712 2920	39.67163799	2/33	40 07170674		31.14605979		23.40040367		60427504		25 70007055		.g
ean RTT error 5	12.7161			2/33	40.97170674		31.14605979 44.19565552		23.40040367		0.69427504		35.79007055		Ratio
ean RTT error 5 ean Dev RTT Mean Er	12.7161 53.99054035	2920	39.67163799 37.88785989				44.19565552	15600	27.04954495	29		43114		38761	vay kap
ean RTT error 5 ean Dev RTT Mean Er podput 1	12.7161 53.99054035 44.74294726	2920	39.67163799 37.88785989 54.20639858	1920	110.9474471	5112	44.19565552 121.3916591	15609	27. 04954495 109.3893886	37726 1	2.0704392	43114	118.8207739	38761	Oelivery Ratio
ean RTT error 5 ean Dev RTT Mean Er oodput 1 oodput 2	12.7161 53.99054035 44.74294726 120.6092301	2920 1409 3238	39.67163799 37.88785989 54.20639858 90.95858279	1920 1312	110.9474471 75.96855999	5112 4798	44.19565552 121.3916591 125.5473499	4634	27.04954495 109.3893886 93.37901141	37726 1: 27010 10	12.0704392 02.128874	29880	118.8207739 107.9690923	52115	Ours Good Out
ean RTT error 5 ean Dev RTT Mean Er eodput 1 eodput 2 eodput 3	12.7161 53.99054035 44.74294726 120.6092301 104.2985912	2920 1409 3238 1469	39.67163799 37.88785989 54.20639858 90.95858279 77.27061682	1920 1312 5847	110.9474471 75.96855999 73.69291188	5112 4798 8171	44.19565552 121.3916591 125.5473499 110.511679	4634 9882	27.04954495 109.3893886 93.37901141 99.22730337	29 37726 1 27010 10 35955 1	12.0704392 12.128874 11.035102	29880 37511	118.8207739 107.9690923 98.23934617	52115 53779	0.97 0.96
ean RTT error 5 ean Dev RTT Mean Er codput 1 codput 2 codput 3 codput 4	12.7161 53.99054035 44.74294726 120.6092301 104.2985912 137.4849214	2920 1409 3238 1469 3489	39.67163799 37.88785989 54.20639858 90.95858279 77.27061682 136.7493768	1920 1312 5847 5759	110.9474471 75.96855999 73.69291188 103.1703188	5112 4798 8171 10077	44.19565552 121.3916591 125.5473499 110.511679 82.65191147	4634 9882 6831	27.04954495 109.3893886 93.37901141 99.22730337 114.2198634	29 37726 11 27010 10 35955 11 28833 11	12.0704392 02.128874 11.035102 16.642225	29880 37511 43703	118.8207739 107.9690923 98.23934617 115.6457731	52115 53779 25141	N
ean RTT error 5 ean Dev RTT Mean Er eodput 1 eodput 2 eodput 3 eodput 4 eodput 5	12.7161 53.99054035 44.74294726 120.6092301 104.2985912 137.4849214 136.5214986	2920 1409 3238 1469 3489	39.67163799 37.88785989 54.20639858 90.95858279 77.27061682 136.7493768 108.7380835	1920 1312 5847	110.9474471 75.96855999 73.69291188 103.1703188 70.65990211	5112 4798 8171 10077 6458	44.19565552 121.3916591 125.5473499 110.511679 82.65191147 125.6892979	4634 9882	27.04954495 109.3893886 93.37901141 99.22730337 114.2198634 109.5442666	29 37726 11 27010 10 35955 11 28833 11 32561 10	12.0704392 12.128874 11.035102 16.642225 13.022872	29880 37511	118.8207739 107.9690923 98.23934617 115.6457731 95.20069494	52115 53779	N
ean RTT error 5 ean Dev RTT Mean Er eodput 1 eodput 2 eodput 3 eodput 4 eodput 5	12.7161 53.99054035 44.74294726 120.6092301 104.2985912 137.4849214	2920 1409 3238 1469 3489	39.67163799 37.88785989 54.20639858 90.95858279 77.27061682 136.7493768	1920 1312 5847 5759	110.9474471 75.96855999 73.69291188 103.1703188	5112 4798 8171 10077 6458	44.19565552 121.3916591 125.5473499 110.511679 82.65191147	4634 9882 6831	27.04954495 109.3893886 93.37901141 99.22730337 114.2198634	29 37726 11 27010 10 35955 11 28833 11 32561 10	12.0704392 02.128874 11.035102 16.642225	29880 37511 43703	118.8207739 107.9690923 98.23934617 115.6457731	52115 53779 25141	0.96 3 7 17 34 68 100 13
san RTT error 5 san Dev RTT Mean Er oodput 1 oodput 2 oodput 3 oodput 4 oodput 5 san Dev Goodput	12.7161 53.99054035 44.74294726 120.6092301 104.2985912 137.4849214 136.5214986 122.0164355	2920 1409 3238 1469 3489 5894	39.67163799 37.88785989 54.20639858 90.95858279 77.27061682 136.7493768 108.7380835 101.3972106	1920 1312 5847 5759 5691	110.9474471 75.96855999 73.69291188 103.1703188 70.65990211 87.52525519	5112 4798 8171 10077 6458	44.19565552 121.3916591 125.5473499 110.511679 82.65191147 125.6892979 115.0248282	4634 9882 6831 11027	27. 04954495 109.3893886 93.37901141 99.22730337 114.2198634 109.5442666 105.3575658	29 37726 1: 27010 11 35955 1: 28833 1: 32561 16	12.0704392 12.128874 11.035102 16.642225 13.022872 19.1868584	29880 37511 43703 50062	118.8207739 107.9690923 98.23934617 115.6457731 95.20069494 106.7160924	52115 53779 25141 26323	0.96
pan RTT error 5 pan Dev RTT Mean Er poodput 1 poodput 2 poodput 3 poodput 4 poodput 5 pan Dev Goodput	12.7161 53.99054035 44.74294726 120.6092301 104.2985912 137.4849214 136.5214986 122.0164355 0.9325762952	2920 1409 3238 1469 3489 5894	39.67163799 37.88785989 54.20639858 90.95858279 77.27061682 136.7493768 108.7380835 101.3972106	1920 1312 5847 5759 5691	110.9474471 75.96855999 73.69291188 103.1703188 70.65990211 87.52525519 0.9571596244	5112 4798 8171 10077 6458	44.19565552 121.3916591 125.5473499 110.511679 82.65191147 125.6892979 115.0248282 0.9764879236	4634 9882 6831 11027	27. 04954495 109.3893886 93.37901141 99.22730337 114.2198634 109.5442666 105.3575658 0.9807294704	29 37726 11 27010 10 35955 11 28833 11 32561 10 37726 0.	12.0704392 12.128874 11.035102 16.642225 13.022872 19.1868584 9777798395	29880 37511 43703 50062	118.8207739 107.9690923 98.23934617 115.6457731 95.20069494 106.7160924	52115 53779 25141 26323 38761	0.96 3 7 17 34 68 100 13
pan RTT error 5 pan Dev RTT Mean Er podput 1 podput 2 podput 3 podput 4 podput 5 pan Dev Goodput 4 podput 5 pan Dev Goodput 4	12.7161 r 53.99054035 44.74294726 120.6092301 104.2985912 137.4849214 136.5214986 122.0164355 0.9325762952 0.9774552193	2920 1409 3238 1469 3489 5894	39.67163799 37.88785989 54.20639858 90.95858279 77.27061682 136.7493768 108.7380835 101.3972106	1920 1312 5847 5759 5691	110.9474471 75.96855999 73.69291188 103.1703188 70.65990211 87.52525519 0.9571596244 0.9533138808	5112 4798 8171 10077 6458 5112 4798	44.19565552 121.3916591 125.5473499 110.511679 82.65191147 125.6892979 115.0248282 0.9764879236 0.9669831679	4634 9882 6831 11027 15609 4634	27.04954495 109.3893886 93.37901141 99.22730337 114.2198634 109.5442666 105.3575658 0.9807294704 0.975601629	2137726 1: 27010 10 35955 1: 28833 1: 32561 10 10 10 10 10 10 10 10 10 10 10 10 10	12.0704392 12.128874 11.035102 16.642225 13.022872 19.1868584 19777798395 19761378849	29880 37511 43703 50062 43114 29880	118.8207739 107.9690923 98.23934617 115.6457731 95.20069494 106.7160924 0.976006811 0.9841504365	52115 53779 25141 26323 38761 52115	0.96 3 7 17 34 68 100 13 TCP Flows
san RTT error 5 san Dev RTT Mean Er sodput 1 sodput 2 sodput 3 sodput 4 sodput 5 san Dev Godput slivery Ratio 1 slivery Ratio 2 slivery Ratio 2	12.7161 53.99054035 44.74294726 120.6092301 104.2985912 137.4849214 136.5214986 122.0164355 0.9325762952 0.9774552193 0.9584751532	2920 1409 3238 1469 3489 5894 2 1409 3238 2 1469	39.67163799 37.88785989 54.20639858 90.95858279 77.27061682 136.7493768 108.7380835 101.3972106 0.9338541667 0.9275914634 0.9798187104	1920 1312 5847 5759 5691 1920 1312 5847	110.9474471 75.96855999 73.69291188 103.1703188 70.65990211 87.52525519 0.9571596244 0.9533138808 0.9767470322	5112 4798 8171 10077 6458 5112 4798 8171	44.19565552 121.3916591 125.5473499 110.511679 82.65191147 125.6892979 115.0248282 0.9764879236 0.9669831679 0.9682250557	4634 9882 6831 11027 15609 4634 9882	27. 04954495 109.3893886 93.37901141 99.22730337 114.2198634 109.5442666 105.3575658 0.9807294704 0.975601629 0.9817271589	24 37726 11 27010 11 38955 11 28833 11 32561 10 37726 0. 27010 0. 35955 0.	12.0704392 12.128874 11.035102 16.642225 13.022872 19.1868584 19777798395 19761378849 19774732745	29880 37511 43703 50062 43114 29880 37511	118.8207739 107.9690923 98.23934617 115.6457731 95.20069494 106.7160924 0.976006811 0.9841504365 0.9792298109	52115 53779 25141 26323 38761 52115 53779	0.96 3 7 17 34 68 100 13
ean RTI error 5 ean Dev RTI Mean Er oodput 1 oodput 2 oodput 2 oodput 3 oodput 4 oodput 5 ean Dev Goodput 4 eilvery Ratio 1 eilvery Ratio 1 eilvery Ratio 3 eilvery Ratio 3	12.7161 53.99054035 44.74294726 120.6092301 104.2985912 137.4849214 136.5214986 122.0164355 0.9325762952 0.9774552193 0.9584751533 0.988822012	2920 1409 3238 1469 3489 5894 2 1409 33238 11469 3489	39.67163799 37.88785989 54.20639858 90.95858279 77.27061682 136.7493768 108.7380835 101.3972106 0.9338541667 0.9275914634 0.97981870404 0.9854141344	1920 1312 5847 5759 5691 1920 1312 5847 5759	110.9474471 75.96855999 73.69291188 103.1703188 70.65990211 87.52525519 0.9571596244 0.9533138808 0.9767470322 0.9751910291	5112 4798 8171 10077 6458 5112 4798 8171 10077	44.19565552 121.3916591 125.5473499 110.511679 82.65191147 125.6892979 115.0248282 0.9764879236 0.9669831679 0.9682250557 0.9648660518	4634 9882 6831 11027 15609 4634 9882 6831	27. 04954495 109.3893886 93.37901141 99.22730337 114.2198634 109.5442666 105.3575658 0.9807294704 0.975601629 0.9817271589 0.984739708	2237726 1 1 27010 16 6 1 1 2 2 2 2 1 1 2 2 2 1 1 2 2 2 1	12.0704392 12.128874 11.035102 16.642225 13.022872 19.1868584 19777798395 19761378849 19774732745 19817175022	29880 37511 43703 50062 43114 29880 37511 43703	118.8207739 107.960923 98.23934617 115.6457731 95.20069494 106.7160924 0.976006811 0.9841504365 0.9792298109 0.9693727378	52115 53779 25141 26323 38761 52115 53779 25141	0.96 3 7 17 34 68 100 13 TCP Flows
san RTT error 5 aan Dev RTT Mean Er oodput 1 oodput 2 oodput 3 oodput 3 oodput 4 oodput 4 oodput 5 ilivery Ratio 1 ilivery Ratio 2 ilivery Ratio 4 ilivery Ratio 4 ilivery Ratio 4	12.7161 44.74294726 120.6092301 104.2985912 137.4849214 136.5214986 122.0164355 0.932576295 0.977455219 0.958475153 0.988822012 0.9937224296	2920 1409 3238 1469 3489 5894 1409 33238 1469 3489 5894	39.67163799 37.88785989 54.20639858 90.95858279 77.2706.1682 136.7493768 108.7380835 101.3972106 0.9338541667 0.9275914634 0.97998187104 0.9854141344	1920 1312 5847 5759 5691 1920 1312 5847	110.9474471 75.96855999 73.69291188 103.1703188 70.65990211 87.52525519 0.9571596244 0.9533138808 0.9767470322 0.9751910291	5112 4798 8171 10077 6458 5112 4798 8171	44.19565552 121.3916591 125.5473499 110.511679 82.65191147 125.6892979 115.0248282 0.9764879236 0.9669831679 0.9682250557 0.9648660518 0.9830416251	4634 9882 6831 11027 15609 4634 9882	27. 04954495 109.3893886 93.37901141 99.22730337 114.2198634 109.5442666 105.3575658 0.9807294704 0.975601629 0.9817271589 0.984739708 0.9769355978	22 37726 1 27010 16 35955 1 35955 1 32561 16 37726 0 27010 0 35955 0 27010 35955 0 32561 0	12.0704392 12.128874 11.035102 16.642225 13.022872 19.1868584 19777798395 19761378849 19774732745 19817175022 1982861252	29880 37511 43703 50062 43114 29880 37511	118.8207739 107.9690923 98.23934617 115.6457731 95.20069494 106.7160924 0.976006811 0.9841504365 0.9792298109 0.9693727378 0.9639478783	52115 53779 25141 26323 38761 52115 53779	0.96  3 7 17 34 68 100 13  TCP Flows  Scenario 2 Retransmission Ratio  Fixed Share Retransmission Ratio  Mean Dev Retransmission Ratio
san RTT error 5 aan Dev RTT Mean Er oodput 1 oodput 2 oodput 3 oodput 3 oodput 4 oodput 4 oodput 5 ilivery Ratio 1 ilivery Ratio 2 ilivery Ratio 4 ilivery Ratio 4 ilivery Ratio 4	12.7161 44.74294726 120.6092301 104.2985912 137.4849214 136.5214986 122.0164355 0.932576295 0.977455219 0.958475153 0.988822012 0.9937224296	2920 1409 3238 1469 3489 5894 1409 33238 1469 3489 5894	39.67163799 37.88785989 54.20639858 90.95858279 77.27061682 136.7493768 108.7380835 101.3972106 0.9338541667 0.9275914634 0.97981870404 0.9854141344	1920 1312 5847 5759 5691 1920 1312 5847 5759	110.9474471 75.96855999 73.69291188 103.1703188 70.65990211 87.52525519 0.9571596244 0.9533138808 0.9767470322 0.9751910291	5112 4798 8171 10077 6458 5112 4798 8171 10077	44.19565552 121.3916591 125.5473499 110.511679 82.65191147 125.6892979 115.0248282 0.9764879236 0.9669831679 0.9682250557 0.9648660518	4634 9882 6831 11027 15609 4634 9882 6831	27. 04954495 109.3893886 93.37901141 99.22730337 114.2198634 109.5442666 105.3575658 0.9807294704 0.975601629 0.9817271589 0.984739708	22 37726 1 27010 16 35955 1 35955 1 32561 16 37726 0 27010 0 35955 0 27010 35955 0 32561 0	12.0704392 12.128874 11.035102 16.642225 13.022872 19.1868584 19777798395 19761378849 19774732745 19817175022	29880 37511 43703 50062 43114 29880 37511 43703	118.8207739 107.960923 98.23934617 115.6457731 95.20069494 106.7160924 0.976006811 0.9841504365 0.9792298109 0.9693727378	52115 53779 25141 26323 38761 52115 53779 25141	0.96  3 7 17 34 68 100 13  TCP Flows  Scenario 2 Retransmission Ratio
san RTT error 5 san Dev RTT Mean Er sodput 1 sodput 2 sodput 2 sodput 3 sodput 4 sodput 4 sodput 5 san Dev Goodput slivery Ratio 1 slivery Ratio 2 slivery Ratio 3 slivery Ratio 5 san Dev Delivery Ratio 5	12.7161 44.74294726 120.6092301 104.2985912 137.4849214 136.5214986 122.0164355 0.932576295 0.977455219 0.958475153 0.988822012 0.9937224296	2920 1409 3238 1469 3489 5894 2 1409 33238 1469 3489 15894	39.67163799 37.88785989 54.20639858 90.95858279 77.27061682 136.7493768 108.7380835 101.3972106 0.9338541667 0.9275914634 0.9798187104 0.9854141344 0.9799683711 0.9737931706	1920 1312 5847 5759 5691 1920 1312 5847 5759 5691	110.9474471 75.96855999 73.69291188 103.1703188 70.65990211 87.52525519 0.9571596244 0.9533138808 0.9767470322 0.9751910291 0.9685661195 0.9686272244	5112 4798 8171 10077 6458 5112 4798 8171 10077 6458	44. 19565552 121.3916591 125.5473499 110.511679 82.65191147 125.6892979 115.0248282 0.9764879236 0.9668230557 0.9688250557 0.9648660518 0.9830416251 0.9737198591	4634 9882 6831 11027 15609 4634 9882 6831 11027	27. 04954495 109 3893886 93.37901141 99 22730337 114 2198634 109.5442666 105.3575658 0.9807294704 0.975601629 0.9817271589 0.984739708 0.9769355978 0.9800475059	2: 37726 1: 37726 1: 35955 1: 28833 1: 132561 1: 37726 0. 27010 0. 337955 0. 28833 0. 32561 0.	12.0704392 12.128874 11.035102 16.642225 13.022872 19.1868584 9777798395 9761378849 9774732745 9817175022 9982861252 9795711558	29880 37511 43703 50062 43114 29880 37511 43703	118.8207739 107.9690923 98.23934617 115.6457731 95.20069494 106.7160924 0.976006811 0.9841504365 0.9792298109 0.9693727378 0.9639478783	52115 53779 25141 26323 38761 52115 53779 25141 26323	0.96  3 7 17 34 68 100 13  TCP Flows  Scenario 2 Retransmission Ratio  Fixed Share Retransmission Ratio  Mean Dev Retransmission Ratio
san RTT error 5 aan Dev RTT Mean Er oodput 1 oodput 2 oodput 3 oodput 3 oodput 4 oodput 4 oodput 5 oodput 4 ilivery Ratio 1 ilivery Ratio 2 ilivery Ratio 2 ilivery Ratio 4 ilivery Ratio 4 ilivery Ratio 5 aan Dev Delivery Ratio 5 aan Revenue Reve	12.7161 (53.99054035 44.74294726 120.6092301 104.2985912 137.4849214 136.5214986 122.0164355 0.9325762955 0.977455295 0.988822012 0.9937224296 0.9937224296 0.9937224296	2920 1409 3238 1469 3489 5894 21409 21409 21409	39.67163799 37.88785989 54.20639858 90.95858279 77.2706.1682 136.7493768 108.7380835 101.3972106 0.9338541667 0.9275914634 0.97998187104 0.9854141344	1920 1312 5847 5759 5691 1920 1312 5847 5759 5691	110.9474471 75.96855999 73.69291188 103.1703188 70.65990211 87.52525519 0.9571596244 0.9533138808 0.9767470322 0.9751910291	5112 4798 8171 10077 6458 5112 4798 8171 10077 6458	44.19565552 121.3916591 125.5473499 110.511679 82.65191147 125.6892979 115.0248282 0.9764879236 0.9669831679 0.9682250557 0.9648660518 0.9830416251	4634 9882 6831 11027 15609 4634 9882 6831 11027	27. 04954495 109.3893886 93.37901141 99.22730337 114.2198634 109.5442666 105.3575658 0.9807294704 0.975601629 0.9817271589 0.984739708 0.9769355978	22 2 37726 1: 37726 1: 37726 1: 35955 1: 35955 1: 32561 1: 32561 1: 37726 0. 27010 0. 35955 0. 32561 0. 0. 37726 0. 0. 37726 0. 0. 37726 0. 0.	12.0704392 12.128874 11.035102 16.642225 13.022872 19.1868584 9777798395 9761378849 9774732745 9817175022 982861252 9795711558	29880 37511 43703 50062 43114 29880 37511 43703 50062	118.8207739 107.9690923 98.23934617 115.6457731 95.20069494 106.7160924 0.976006811 0.9841504365 0.9792298109 0.9693727378 0.9639478783	52115 53779 25141 26323 38761 52115 53779 25141 26323	O.96  3 7 17 34 68 100 13  TCP Flows  Scenario 2 Retransmission Ratio  Fixed Share Retransmission Ratio  Mean Dev Retransmission Ratio
san RTT error 5 san Dev RTT Mean Er sodput 1 sodput 2 sodput 2 sodput 3 sodput 4 sodput 4 sodput 5 san Dev Goodput slivery Ratio 1 slivery Ratio 2 slivery Ratio 5 san Dev Delivery Ratio 1 stransmit Ratio 1 stransmit Ratio 1	12.7161 153.99054035 44.74294726 120.6092301 104.2985912 137.4849214 136.5214986 122.0164355 0.9325762952 0.9774552192 0.998822012 0.998872124902 0.99803213111 0.0674237047 0.0225447807	2920 1409 3238 1469 3489 5894 1409 3238 1469 3489 55894 1409 1409 1409 1409 1409 1409 1409 1409 1409 1409	39.67163799 37.88785989 54.20639858 90.95858279 77.27061682 136.7493768 108.7380835 101.3972106 0.9338541667 0.9275914634 0.9798187104 0.9854141344 0.979983711 0.9739781706	1920 1312 5847 5759 5691 1920 1312 5847 5759 5691	110,9474471 75,96855999 73,69291188 103,1703188 70,65990211 87,52525519 0,9571596244 0,9533138808 0,9767470322 0,9751910291 0,9685661195 0,9685661195 0,9685661195 0,04668611922	5112 4798 8171 10077 6458 5112 4798 8171 10077 6458 5112 4798	44.19565552 121.3916591 125.5473499 110.511679 82.65191147 125.6892979 115.0248282 0.9764879236 0.9669831679 0.9682250557 0.9648660518 0.9830416251 0.9737198591 0.02351207637 0.03301683211	4634 9882 6831 11027 15609 4634 9882 6831 11027	27. 04954495 109.3893886 93.37901141 99.22730337 114.2198634 109.5442666 105.3575658 0.9807294704 0.9817271589 0.9817271589 0.984739708 0.9800475059 0.01927052961 0.01927052961	22 27010 20 27010	12.0704392 12.128874 11.035102 16.642225 13.022872 19.1868584 9777798395 9761378849 9777798395 981717502 982861252 982861252 9795711558	29880 37511 43703 50062 43114 29880 37511 43703 50062 43114 29880	118.8207739 107.9690923 98.23934617 115.6457731 95.20069494 106.7160924 0.976006811 0.9841504365 0.9792298109 0.9693727378 0.9639478783 0.9765856444	52115 53779 25141 26323 38761 52115 53779 25141 26323 38761 52115	0.96  3 7 17 34 68 100 13  TCP Flows  Scenario 2 Retransmission Ratio  Fixed Share Retransmission Ratio  Mean Dev Retransmission Ratio  0.05  0.04
an RTT error 5 an Dev RTT Mean Er odput 1 odput 2 odput 3 odput 4 odput 5 an Dev Goodput livery Ratio 1 livery Ratio 1 livery Ratio 3 livery Ratio 3 livery Ratio 3 livery Ratio 5 an Dev Delivery Ratio transmit Ratio 1 transmit Ratio 1 transmit Ratio 1 transmit Ratio 2 transmit Ratio 2	12.7161 53.99054035 44.74294726 120.6092301 104.2985912 137.4849214 136.5214986 122.0164355 0.9325762952 0.93734552192 0.993723242996 0.9903213111 0.0674237047 0.0614237047 0.01415248468	2920 1409 3238 1469 3489 5894 1409 3238 1449 3489 5894 1409 3489 1409 3489 1409 3489 1409	39.67163799 37.88785989 54.20639858 90.98585279 77.27061682 136.7493768 108.7380835 101.3972106 0.9338541667 0.9275914634 0.9798187104 0.9854141344 0.9799683711 0.9737931706 0.06614583333 0.07240853659 0.02018128955	1920 1312 5847 5759 5691 1920 1312 5847 5759 5691 1920 1312 5847 5581	110.9474471 75.96855999 73.69291188 103.1703188 70.65990211 87.52525519 0.9571596244 0.9533138808 0.9767470322 0.9751910291 0.9685661195 0.9686272244	\$112 4798 8171 10077 6458 \$112 4798 8171 10077 6458 \$112 4798 8171	44.19565552 121.3916591 125.5473499 110.511679 82.65191147 125.6892979 115.0248282 0.9764879236 0.9669831679 0.9682250557 0.9648660518 0.9830416251 0.9737198591 0.02351207637 0.03301683211 0.03177494434	4634 9882 6831 11027 15609 4634 9882 6831 11027 15609 4634 9882	27. 04954495 109.3893886 93.37901141 99.22730337 114.2198634 109.5442666 105.3575658 0.9807294704 0.975601629 0.9817271589 0.984739708 0.9769355978 0.9800475059 0.01927052961 0.01927052961 0.01927052961	21 27010 11 28833 11 12 27010 0. 27010 0. 27010 0. 27010 0. 27010 0. 27010 0. 27010 0. 28833	12.0704392 12.128874 11.035102 16.642225 13.028872 19.1868584 19.1868584 19.777798395 19.7777983 19.7777983 19.7777983 19.7777983 19.7777983 19.7777983 19.777798 19.7777	29880 37511 43703 50062 43114 29880 37511 43703 50062 43114 29880 37511	118.8207739 107.9690923 98.23934617 115.6457731 95.20069494 106.7160924 0.976006811 0.9841504365 0.9792298109 0.9639478783 0.9639478783 0.01584956347	52115 53779 25141 26323 38761 52115 53779 25141 26323 38761 52115 53779	O.96  3 7 17 34 68 100 13  TCP Flows  Scenario 2 Retransmission Ratio  Fixed Share Retransmission Ratio  Mean Dev Retransmission Ratio
san RTT error 5 aan Dev RTT Mean Er oodput 1 oodput 2 oodput 3 oodput 3 oodput 3 oodput 4 oodput 5 oodput 4 oodput 5 oodput 6 oodput 6 oodput 7 ood	12.7161 153.99054035 44.74294726 120.6092301 104.988912 137.4849214 136.5214986 122.0164355 0.978745295 0.978475153 0.988822012 0.0980321311 0.0674237047 0.0225447807 0.0415248460	2920 1409 3238 1469 3889 5894 21409 33238 21469 3489 3489 1409 3238 1409 3338 1409 3489 1409 3489 3489	39.67163799 37.88785989 54.20639858 90.98585279 77.2706.1682 136.7493768 108.7380835 101.3972106 101.3972106 0.9338541667 0.9275914634 0.9798187104 0.9854141344 0.9854141344 0.9799683711 0.9737931706	1920 1312 5847 5759 5691 1920 1312 5847 5759 5691 1920 1312 5847 5759 5691	110.9474471 75.96855999 73.69291188 103.1703188 70.65990211 87.52525519 0.9571596244 0.9533138808 0.9767470322 0.9751910291 0.9685661195 0.9686272244 0.04284037559 0.04668611922 0.0468861192 0.0428897092	\$112 4798 8171 10077 6458 \$171 10077 6458 \$171 10077 6458 \$171 10077	44.19565552 121.3916591 125.5473499 110.511679 82.65191147 125.6892979 115.0248282 0.9764879236 0.9669831679 0.9682250557 0.9682250557 0.9737198591 0.02351207637 0.03301683211 0.03177494434 0.03513394818	4634 9882 6831 11027 15609 4634 9882 6831 11027	27. 04954495 109.3893886 93.37901141 99.22730337 114.2198634 1109.5442666 105.3575658 0.9807294704 0.975601629 0.9817271589 0.984739708 0.9769355978 0.9800475059 0.01927052961 0.02439837097 0.018272784105 0.01526029203	22 2 37726 1: 37726 1: 35955 1: 35955 1: 32561 1: 327010 0. 35955 0. 0. 37726 0. 0. 37726 0. 0. 37726 0. 0. 37726 0. 0. 37726 0. 0. 37726 0. 0. 37726 0. 0. 37726 0. 28833 0. 0. 32561 0. 0. 37726 0. 28833 0. 0. 325955 0. 0. 37726 0. 0. 0. 37726 0. 0. 0. 37726 0. 0. 0. 37726 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	12.0704392 12.128874 11.035102 16.642225 33.022872 19.1868584 9777798395 9777432745 9817175022 982861252 9795711558 0222201605 02386211513 02252672549 01828249777	29880 37511 43703 50062 43114 29880 37511 43703 50062 43114 29880 37511 43703	118.8207739 107.9690923 98.23934617 115.6457731 95.20069494 106.7160924 0.976006811 0.9841504365 0.9792298109 0.9693727378 0.9693727378 0.9639478783 0.02399318903 0.01584956347 0.02077018911 0.03062726224	52115 53779 25141 26323 38761 52115 53779 25141 26323 38761 52115 52115 52115 52115 52115 52115 52115 52115	O.96  3 7 17 34 68 100 13  TCP Flows  Scenario 2 Retransmission Ratio  Fixed Share Retransmission Ratio  Mean Dev Retransmission Ratio  0.05  0.04  0.03
san RTT error 5  san Dev RTT Mean Er  sodput 1  sodput 2  sodput 3  sodput 4  sodput 4  sodput 4  sodput 5  san Dev Goodput  slivery Ratio 1  slivery Ratio 2  slivery Ratio 2  slivery Ratio 5  san Dev Delivery Ratio 1  stransmit Ratio 1  stransmit Ratio 2  stransmit Ratio 2  stransmit Ratio 4  stransmit Ratio 4	12.7161 153.99054035 44.74294726 120.6092301 101.2985912 137.4849214 136.5214986 122.0164355 0.932576295: 0.978455153: 0.988822012 0.0674237047 0.0225447801 0.0674237047 0.00062715700 0.00111779875 0.00602715700	2920 1409 3238 1469 3889 5894 21409 33238 21469 3489 3489 1409 3238 1409 3338 1409 3489 1409 3489 3489	39.67163799 37.88785989 54.20639858 90.98588279 77.27061682 136.7493768 108.7380835 101.3972106 0.9378541657 0.9275914634 0.9798187104 0.9854141344 0.979893710 0.06614583333 0.07240853659 0.02018128955 0.02018128955	1920 1312 5847 5759 5691 1920 1312 5847 5759 5691 1920 1312 5847 5759 5691	110,9474471 75,96855999 73,69291188 103,1703188 70,65590211 0,9571596244 0,9533138808 0,9767470322 0,9751910291 0,9685661195 0,9685661195 0,04668611922 0,02325296781 0,02480897092 0,03438898090 0,043438897092	5112 4798 8171 10077 6458 5112 4798 8171 10077 6458 5112 4798 8171 10077 6458	44.19565552 121.3916591 125.5473499 110.511679 82.65191147 125.6892979 115.0248282 0.9764879236 0.96682250557 0.9688250557 0.9684660518 0.9830416251 0.0737198591 0.02351207637 0.03301683211 0.03177494434 0.03513394818 0.0169583749	4634 9882 6831 11027 15609 4634 9882 6831 11027	27. 04954495 109.3893886 93.37901141 99.22730337 114.2198634 109.5442666 105.3575658 0.9807294704 0.975601629 0.9817271589 0.980475059 0.980475059 0.01927052961 0.02439837097 0.01827284105 0.01526029203	22 27010 10 27010 10 27010 10 27010 10 27010 10 27010 10 27010 10 27010 10 27010 10 27010 10 27010 10 27010 10 27010 10 28833 10 2561 10 27010 10 27010 10 27010 10 27010 10 27010 10 27010 10 27010 10 27010 10 27010 10 27010 10 28833 10 27010 10 2	12.0704392 12.128874 11.035102 16.642225 13.022872 19.1868584 9777798395 9761378849 9774732745 9821861252 9795711558 0222201605 02386211513 02252672549 01828249777 01713874795	29880 37511 43703 50062 43114 29880 37511 43703 50062 43114 29880 37511 43703	118.8207739 107.9690923 98.23934617 115.6457731 105.20069494 106.7160924 109.76006811 0.9841504365 0.9792298109 0.9693727378 0.9639478783 0.9765856444	52115 53779 25141 26323 38761 52115 53779 25141 26323 38761 52115 52115 52115 52115 52115 52115 52115 52115	0.96  3 7 17 34 68 100 13  TCP Flows  Scenario 2 Retransmission Ratio  Fixed Share Retransmission Ratio  Mean Dev Retransmission Ratio  0.05  0.04
san RTT error 5 san Dev RTT Mean Er oodput 1 oodput 2 oodput 3 oodput 3 oodput 3 sodput 4 oodput 5 san Dev Goodput sliviery Ratio 1 sliviery Ratio 2 sliviery Ratio 2 sliviery Ratio 5 san Dev Delivery Ratio 6 stransmit Ratio 0 stransmit Ratio 2 stransmit Ratio 3 stransmit Ratio 4 stransmit Ratio 4	12.7161 153.99054035 44.74294726 120.6092301 101.2985912 137.4849214 136.5214986 122.0164355 0.932576295: 0.978455153; 0.988822012 0.0674237047 0.0225447801 0.0674237047 0.00062715700 0.00111779875 0.00602715700	2920 1409 3238 1469 3889 5894 21409 33238 21469 3489 3489 1409 3238 1409 3338 1409 3489 1409 3489 3489	39.67163799 37.88785989 54.20639858 90.98585279 77.2706.1682 136.7493768 108.7380835 101.3972106 101.3972106 0.9338541667 0.9275914634 0.9798187104 0.9854141344 0.9854141344 0.9799683711 0.9737931706	1920 1312 5847 5759 5691 1920 1312 5847 5759 5691 1920 1312 5847 5759 5691	110.9474471 75.96855999 73.69291188 103.1703188 70.65990211 87.52525519 0.9571596244 0.9533138808 0.9767470322 0.9751910291 0.9685661195 0.9686272244 0.04284037559 0.04668611922 0.0468861192 0.0428897092	5112 4798 8171 10077 6458 5112 4798 8171 10077 6458 5112 4798 8171 10077 6458	44.19565552 121.3916591 125.5473499 110.511679 82.65191147 125.6892979 115.0248282 0.9764879236 0.9669831679 0.9682250557 0.9682250557 0.9737198591 0.02351207637 0.03301683211 0.03177494434 0.03513394818	4634 9882 6831 11027 15609 4634 9882 6831 11027	27. 04954495 109.3893886 93.37901141 99.22730337 114.2198634 1109.5442666 105.3575658 0.9807294704 0.975601629 0.9817271589 0.984739708 0.9769355978 0.9800475059 0.01927052961 0.02439837097 0.018272784105 0.01526029203	22 27010 10 27010 10 27010 10 27010 10 27010 10 27010 10 27010 10 27010 10 27010 10 27010 10 27010 10 27010 10 27010 10 28833 10 2561 10 27010 10 27010 10 27010 10 27010 10 27010 10 27010 10 27010 10 27010 10 27010 10 27010 10 28833 10 27010 10 2	12.0704392 12.128874 11.035102 16.642225 33.022872 19.1868584 9777798395 9777432745 9817175022 982861252 9795711558 0222201605 02386211513 02252672549 01828249777	29880 37511 43703 50062 43114 29880 37511 43703 50062 43114 29880 37511 43703	118.8207739 107.9690923 98.23934617 115.6457731 95.20069494 106.7160924 0.976006811 0.9841504365 0.9792298109 0.9693727378 0.9693727378 0.9639478783 0.02399318903 0.01584956347 0.02077018911 0.03062726224	52115 53779 25141 26323 38761 52115 53779 25141 26323 38761 52115 52115 52115 52115 52115 52115 52115 52115	O.96  3 7 17 34 68 100 13  TCP Flows  Scenario 2 Retransmission Ratio  Fixed Share Retransmission Ratio  Mean Dev Retransmission Ratio  0.05  0.04  0.03
san RTT error 5  aan Dev RTT Mean Er  oodput 1  oodput 2  oodput 3  oodput 3  oodput 3  oodput 4  oodput 4  oodput 5  oodput 4  oodput 5  oodput 6  oodput 7  oodput 7  oodput 8  oodput 8  oodput 9  oodput 9	12.7161 153.99054035 44.74294726 120.6092301 104.988912 137.4849214 136.5214986 129.6164355 0.977452952 0.9784751532 0.988822012 0.988822012 0.980321311 0.0674237047 0.0225447807 0.01514784867 0.001514784867 0.006277570	2920 1409 3238 1469 3489 5894 1409 33238 1469 3489 5894 1409 3238 1409 3238 1409 3238 1449 3489 5894	39.67163799 37.88785989 54.20639858 90.98585279 77.2706.1682 136.7493768 108.7380835 101.3972106 101.3972106 0.9338541667 0.9275914634 0.9798187104 0.9853141344 0.9799683711 0.9737931706 0.06614583333 0.07240853659 0.01481828565 0.02003162889 0.02620682936	1920 1312 5847 5759 5691 1920 1312 5847 5759 5691 1920 1312 5847 5759 5691	110.9474471 75.96855999 73.69291188 103.1703188 70.65990211 87.52525519 0.9571596244 0.9533138808 0.9767470322 0.9751910291 0.9685661195 0.04284037559 0.04668611922 0.032529618 0.02452897092 0.03143388046 0.0313727756	5112 4798 8171 10077 6458 5112 4798 8171 10077 6458 5112 4798 8171 10077 6458	44.19565552 121.3916591 125.5473499 110.511679 82.65191147 125.6892979 115.0248282 0.9764879236 0.966831679 0.9682250557 0.9682250557 0.9638660518 0.9830416251 0.02351207637 0.03301683211 0.0317749434 0.03513394818 0.0169583749 0.02628014088	4634 9882 15669 15669 4634 9882 6831 11027 15609 4634 9882 6831 11027	27. 04954495 109.3893886 93.37901141 99.22730337 114.2198634 1109.5442666 105.3575658 0.9807294704 0.975601629 0.9817271589 0.984739708 0.9769355978 0.9800475059 0.01927052961 0.02439837097 0.01827284105 0.01526029203 0.0230644022 0.01995249406	22 2 37726 1: 37926 0. 27010 0. 35955 0. 35955 0. 35955 0. 35955 0. 3726 0. 27010 0. 37926 0. 27010 0. 35955 0. 0. 37726 0. 27010 0. 35955 0. 37726 0. 37726 0. 37726 0. 37726 0. 37926	12.0704392 12.128874 11.035102 16.642225 33.022872 19.1868584 99.774732745 99.1868584 99774732745 9817175022 982861252 982861252 9795711558 02222201605 02386211513 02252672534 01828249777 01713874795 02042884418	29880 37511 43703 50062 43114 29880 37511 43703 50062 43114 43703 50062 43114 43703 50062	118.8207739 107.9690923 98.23934617 115.6457731 95.20069494 106.7160924 0.976006811 0.9841504365 0.9792298109 0.9693727378 0.9693727378 0.9639478783 0.025938903 0.01584956347 0.0207701819 0.03062726224 0.03605212172 0.02341435557	52115 53779 25141 26323 38761 52115 53779 25141 26323 38761 52115 52115 52115 52115 52115 52115 52115 52115 52115 52115	O.96  3 7 17 34 68 100 13  TCP Flows  Scenario 2 Retransmission Ratio  Fixed Share Retransmission Ratio  Mean Dev Retransmission Ratio  0.05  0.04  0.03
san RTT error 5 an Dev RTT Mean Er odput 1 odput 2 odput 3 odput 3 odput 4 odput 5 ann Dev Goodput diivery Ratio 1 diivery Ratio 2 diivery Ratio 2 diivery Ratio 5 ann Dev Delivery Ratio transmit Ratio 1 transmit Ratio 1 transmit Ratio 2 transmit Ratio 5 ann Dev Derivery Ratio sann Dev Derivery Ratio diivery Ratio 5 ann Dev Derivery Ratio diransmit Ratio 5 ann Dev Retransmit Ratio 5 ann Dev Retransmit Ratio 5 ann Dev Retransmit Ratio 5	12.7161 153.99054035 44.74294726 120.6092301 101.2985912 137.4849214 136.5214986 122.0164355 0.932576295: 0.973455219; 0.978455153: 0.988822012 0.098822012 0.09803221311 0.0674237047 0.0225447807 0.00111779875 0.006277570	2920 1409 3238 1469 3489 5894 1469 3489 55894 1469 3238 1469 3238 1469 3238 1469 3489 5694	39.67163799 37.88785989 54.20639858 90.98588279 77.27061682 136.7493768 108.7380835 101.3972106 0.9378541667 0.9275914634 0.9798187104 0.9854141344 0.9798187104 0.96614583333 0.07240853659 0.02018128955 0.02018128955 0.0203162889 0.02620682936	1920 1312 5847 5759 5691 1920 1312 5847 5759 5691 1920 1312 5847 5759 5691	110.9474471 75.96855999 73.69291188 103.1703188 70.65590211 87.5525519 0.9571596244 0.953313808 0.9767470322 0.9751910291 0.9685661195 0.9686272244 0.04284037559 0.04668611922 0.02325296781 0.02480897092 0.03143388046 0.0313727756	5112 4798 8171 10077 6458 5112 4798 8171 10077 6458 5112 4798 8171 10077 6458	44.19565552 121.3916591 125.5473499 110.511679 82.65191147 125.6892979 115.0248282 0.9764879236 0.9669831679 0.9682250557 0.9648660518 0.9830416251 0.02351207637 0.03301683211 0.03177494434 0.025233394818 0.0169583749 0.02628014088	4634 4634 11027 15609 4634 9882 6831 11027 15609 4634 9882 6831 11027 7278	27. 04954495 109.3893886 93.37901141 99.22730337 114.2198634 109.5442666 105.3575658 0.9807294704 0.975601629 0.9817271589 0.984739708 0.9769355978 0.9800475059 0.01927052961 0.02439837097 0.01827284105 0.01526029203 0.0230644022 0.01995249406 664050.8915	2237726 1 27010 10 35955 1 35955 1 32561 10 37726 0 0 27010 0 0 37726 0 0 28833 0 0 27010 0 0 37726 0 0 0 27010 0 0 0 35955 0 0 28833 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	12.0704392 12.128874 11.035102 16.642225 13.022872 19.1868584 9777798395 9761378849 9774732745 982861252 982861252 9795711558 0222201605 02386211513 02252672549 012182849777 01713874795 02042884418	29880 37511 43703 50062 43114 29880 37511 43703 50062 43114 43703 50062 43114 29880 37511 43703 50062	118.8207739 107.9690923 98.23934617 115.6457731 95.20069494 106.7160924 10.976006811 0.9841504365 0.9792298109 0.9693727378 0.9639478783 0.9765856444 0.02399318903 0.01584956347 0.03062726224 0.03605212172 0.02341436557	52115 53779 25141 26323 38761 52115 53779 25141 26323 38761 52115 53779 25141 26323 18016	O.96  3 7 17 34 68 100 13  TCP Flows  Scenario 2 Retransmission Ratio  Fixed Share Retransmission Ratio  Mean Dev Retransmission Ratio  0.05  0.04  0.03
an RTT error 5 an Dev RTT Mean Er odput 1 odput 2 odput 3 odput 4 odput 5 an Dev Goodput liivery Ratio 1 liivery Ratio 2 liivery Ratio 2 liivery Ratio 5 an Dev Delivery Ratio transmit Ratio 1 transmit Ratio 1 transmit Ratio 3 transmit Ratio 4 transmit Ratio 3 transmit Ratio 5 an Dev Retransmit Sid	12.7161 15.3.99054035 44.74294726 120.6092301 104.2985912 137.4849214 136.5214986 122.0164355 0.9325762952 0.99372124299 0.9937224299 0.0937224299 0.093724580 0.011777987 0.015248466 0.011177987 0.006277570 0.006277570 0.0196786888	2920 1409 3238 1469 3489 5894 1409 3489 1449 3489 1499 3489 1409 3338 1469 3489 1469 1409	39.67163799 37.88785989 54.20639858 90.95858279 77.27061682 136.7493768 108.7380835 101.3972106 0.9338541667 0.9275914634 0.9854141344 0.97998187104 0.9684141344 0.97938731706 0.06614583333 0.07240853659 0.02031528955 0.0145858656 0.020031528955 0.02620682936	1920 1312 5847 5759 5691 1920 1312 5847 5759 5691 1920 1312 5847 5759 5691	110.9474471 75.96855999 73.69291188 103.1703188 70.65990211 87.52525519 0.9571596244 0.9533138808 0.9767470322 0.9751910291 0.9685661195 0.9686272244 0.0428403759 0.04668611922 0.02325296781 0.02480897092 0.0314338046 0.0314338727766	\$112 4798 8171 10077 6458 \$112 4798 8171 10077 6458 \$171 10077 6458	44.19565552 121.3916591 125.5473499 110.511679 82.65191147 125.6892979 115.0248282 0.9764879236 0.9669831679 0.9682250557 0.9648660518 0.9830416251 0.02351207637 0.03301683211 0.03177494434 0.03513394818 0.0165983749 0.02628014088 212606.2447 127838.9005	4634 9882 15609 15609 4634 9882 6831 11027 15609 4634 9882 6831 11027 7278 2150	27. 04954495 109 3893886 93.37901141 99 22730337 114 2198634 109.5442666 105.3575658 0.9807294704 0.975601629 0.9817271589 0.984739708 0.9769355978 0.01927752961 0.0123752692903 0.01327542020203 0.019256029203 0.019256029203 0.01995249406	21 27010 11	12.0704392 12.128874 11.035102 16.642225 13.022872 19.1868584 19777798395 19714732745 19817175022 1982861252 197271658 10222201605 1023286211513 102252672549 101828249777 101713874795 102042884418 1555588.8286 12356.7131	29880 37511 43703 50062 43114 29880 37511 43703 50062 43114 29880 37511 43703 50062 20095 13840	118.8207739 107.9690923 98.23934617 115.6457731 95.20069494 106.7160924 0.976006811 0.9841504365 0.9792298109 0.9639478783 0.9639478783 0.01584956347 0.02077018911 0.03605212172 0.02341435557 344656.5276 649487.5885	52115 53779 25141 26323 38761 52115 53779 25141 26323 38761 52115 53779 25141 26323 18016 24419	O.96  3 7 17 34 68 100 13  TCP Flows  Scenario 2 Retransmission Ratio  Fixed Share Retransmission Ratio  Mean Dev Retransmission Ratio  0.05  0.04  0.03
san RTT error 5 an Dev RTT Mean Er odput 1 odput 2 odput 3 odput 3 odput 4 odput 5 odput 4 ilivery Ratio 1 ilivery Ratio 1 ilivery Ratio 2 ilivery Ratio 2 ilivery Ratio 4 ilivery Ratio 5 and Dev Delivery Ratio 5 and Dev Delivery Ratio 5 and Dev Delivery Ratio 6 transmit Ratio 1 transmit Ratio 1 transmit Ratio 3 transmit Ratio 3 transmit Ratio 5 and Dev Retransmit Salio 5 and Dev Retransmit Ratio 4 transmit Ratio 5 and 1 and 1 and 2 and 2	12.7161 153.99054035 44.74294726 120.6092301 104.9885912 137.4849214 136.5214986 129.8164355 0.9325762952 0.9584751532 0.988822012 0.9584751532 0.988822012 0.09803213112 0.0674237047 0.0225447807 0.0025775706 0.011177987	2920 1409 3238 1469 3489 5894 2 1409 33238 2 1469 3489 3489 1409 3238 1469 3238 1469 3489 5894	39.67163799 37.88785989 54.20639858 90.95858279 77.2706.1682 136.7493768 108.7380835 101.397208 0.9338541667 0.9275914634 0.9798187104 0.979983711 0.9737931706 0.06614583333 0.07240853659 0.0145858656 0.02003162889 0.02626682986 43987.15047 40324.2355 43428.17845	1920 1312 5847 5759 5691 1920 1312 5847 5759 5691 1920 1312 5847 5759 5691	110.9474471 75.96855999 73.69291188 103.1703188 70.65990211 87.52525519 0.9571596244 0.9533138808 0.9767470322 0.9751910291 0.9685661195 0.04284037559 0.0466861192 0.032529618 0.03252961 0.03252961 0.0313727756 124261.2293 88945.51158 17733.9852	\$112 4798 8171 10077 6458 \$171 10077 6458 \$171 10077 6458 \$171 10077 6458	44.19565552 121.3916591 125.5473499 110.511679 82.65191147 125.6892979 115.0248282 0.9764879236 0.9669831679 0.9682250557 0.9638260518 0.9830416251 0.02351207637 0.03301683211 0.03177494434 0.03513394818 0.016583749 0.02628014088 212606.2447 127838.9005 173339.4528	4634 9882 15609 4634 9882 15609 4634 9882 15609 4634 9882 15609 4634 7278 7278 7278 7278	27. 04954495 109.3893886 93.37901141 99.22730337 114.2198634 1109.5442666 105.3575658 0.9807294704 0.975601629 0.9817271589 0.984739708 0.9769355978 0.9800475059 0.01927052961 0.02439837097 0.01827284105 0.01526029203 0.0330644022 0.01995249406 664050.8891 568630.2252 220651.3637	22 2 37726 1: 37726 1: 35955 1: 32833 1: 1 32561 0. 27010 0. 0. 35955 0. 0. 35955 0. 0. 37726 0. 0. 27010 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	12.0704392 12.128874 11.035102 16.642225 13.022872 19.1868584 19.777798395 1971732745 19817175022 1982861252 19922201605 102386211513 102252672534 101713874795 101713874795 1020252675348 115588.8286 12356.7131 11704.4077	29880 37511 43703 50062 43114 29880 37511 43703 50062 43114 29880 37511 43703 50062 20095 13840 17387	118.8207739 107.9690923 98.23934617 115.6457731 95.20069494 106.7160924 0.976006811 0.9841504365 0.9792298109 0.9693727378 0.9693727378 0.9693727378 0.0239318903 0.01584956347 0.0207701891 0.03062726224 0.03605212172 0.02341435557	52115 53779 25141 26323 38761 52115 53779 25141 26323 38761 52115 53779 25141 26323 38761 52115 52	0.96  3 7 17 34 68 100 13  TCP Flows  Scenario 2 Retransmission Ratio  Fixed Share Retransmission Ratio  0.05  0.04  0.04  0.03  7 17 34 68 100 13
saan RTT error 5  aan Dev RTT Mean Er  oodput 1  oodput 2  oodput 3  oodput 3  oodput 4  oodput 5  ean Dev Goodput 4  elivery Ratio 1  elivery Ratio 2  elivery Ratio 2  elivery Ratio 5  elivery Ratio 5  elivery Ratio 5  elivery Ratio 6  elivery Ratio 1  elivery Ratio 6  elivery Ratio 6  elivery Ratio 1  elivery Ratio 1  elivery Ratio 6  elivery Ratio 1  elivery Ratio 2  elivery Ratio 1  elivery Ratio 3  elivery Ratio 4  elivery Ratio 6  elivery Ratio 7  elivery Ratio 8  elivery Ratio 8  elivery Ratio 9  elivery	12.7161 153.99054035 44.74294726 120.6092301 104.2985912 137.4849214 136.5214986 122.0164355 0.932576295; 0.958475153; 0.988822012 0.096742352496 0.0015247970 0.001967868889 93261.0192 130963.7623 610597.8426 438716.3272	2920 1409 3238 1469 3489 5894 1409 33238 1469 3489 5894 11409 3238 11469 3328 1469 3328 1469 15894 1696 1797 1798 17	39.67163799 37.88785989 54.20639858 90.98588279 77.27061682 136.7493768 108.7380835 101.3972106 0.93385416677 0.9275914634 0.9798187104 0.9854141344 0.97998187104 0.06614583333 0.07240853659 0.02018128955 0.0145858656 0.0203162889 0.02620682936 43987.15047 40524.2355	1920 1312 5847 5759 5691 1920 1312 5847 5759 5691 1920 1312 5847 5759 5691 844 569 2729 2729	110.9474471 75.96855999 73.69291188 103.1703188 70.65990211 87.52525519 0.9571596244 0.9533138808 0.9767470322 0.9751910291 0.9685661195 0.04668611922 0.02325296781 0.02480897902 0.03143388046 0.0313727756	5112 4798 8171 10077 6458 5112 4798 8171 10077 6458 5112 4798 8171 10077 6458 2333 2203 3836 4684	44.19565552  121.3916591 125.5473499 110.511679 82.65191147 125.6892979 115.0248282 0.9764879236 0.9669831679 0.9682250557 0.9648660518 0.9830416251 0.03301683211 0.03177494434 0.03513394818 0.03533394818 212606 2447 127838.9005 173339,4528	4634 9882 15609 15609 4634 9882 6831 11027 15609 4634 9882 6831 11027 7278 2150 7278 2150 7278 3151	27. 04954495 109.3893886 93.37901141 99.22730337 114.2198634 109.5442666 105.3575658 0.9807294704 0.975601629 0.9817271589 0.984739708 0.980475059 0.01927052961 0.01927052961 0.01927052961 0.0152602903 0.0330644022 0.01995249406 66405.0.8915 268630.2252 200651.3637 625240.9089	2237726 1 27010 10 35955 1 1 25010 2 10 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	12.0704392 12.128874 11.035102 16.642225 33.022872 19.1868584 9777798395 9761378849 9777432745 9817175022 982861252 9972861252 90128249777 017387495 00242884418 55588.8286 22356.7131 11704.4077 166297.0955	29880 37511 43703 50062 43114 29880 37511 43703 50062 43114 43703 50062 20095 13840 17387 20377	118.8207739 107.9690923 98.23934617 115.6457731 95.20069494 106.7160924 0.976006811 0.9841504365 0.9792298109 0.693727378 0.9795298109 0.0693727378 0.0239478783 0.02399318903 0.01584956347 0.02077018911 0.03605212212 0.03605212212 0.02341435557 344656.5276 649487.5885	52115 53779 25141 26323 38761 52115 53779 25141 26323 38761 52115 53779 25141 26323 18016 24419 25058	Open Scenario 2 Retransmission Ratio  Fixed Share Retransmission Ratio  Out  Out  Out  Out  Out  Out  Out  Ou
sean RTI error 5 sean Dev RTT Mean Er coodput 1 coodput 2 coodput 3 coodput 3 coodput 3 coodput 4 coodput 3 coodput 4 coodput 4 coodput 5 coodput 4 coodput 6 coodput 7 coodput 7 coodput 7 coodput 8 coodput 8 coodput 8 coodput 8 coodput 8 coodput 9 coodput	12.7161 153.99054035 44.74294726 120.6092301 104.9885912 137.4849214 136.5214986 129.8164355 0.9325762952 0.9584751532 0.988822012 0.9584751532 0.988822012 0.09803213112 0.0674237047 0.0225447807 0.0025775706 0.011177987	2920 1409 3238 1469 3489 5894 1409 33238 1469 3489 5894 11409 3238 11469 3328 1469 3328 1469 15894 1696 1797 1798 17	39.67163799 37.88785989 54.20639858 90.98588279 77.27061682 136.7493768 108.7380835 101.3972106 0.93385416677 0.9275914634 0.9798187104 0.9854141344 0.97998187104 0.06614583333 0.07240853659 0.02018128955 0.0145858656 0.0203162889 0.02620682936 43987.15047 40524.2355	1920 1312 5847 5759 5691 1920 1312 5847 5759 5691 1920 1312 5847 5759 5691	110.9474471 75.96855999 73.69291188 103.1703188 70.65990211 87.52525519 0.9571596244 0.9533138808 0.9767470322 0.9751910291 0.9685661195 0.04284037559 0.0466861192 0.032529618 0.03252961 0.03252961 0.0313727756 124261.2293 88945.51158 17733.9852	\$112 4798 8171 10077 6458 \$171 10077 6458 \$171 10077 6458 \$171 10077 6458	44.19565552 121.3916591 125.5473499 110.511679 82.65191147 125.6892979 115.0248282 0.9764879236 0.9669831679 0.9682250557 0.9638260518 0.9830416251 0.02351207637 0.03301683211 0.03177494434 0.03513394818 0.016583749 0.02628014088 212606.2447 127838.9005 173339.4528	4634 9882 15609 15609 4634 9882 6831 11027 15609 4634 9882 6831 11027 7278 2150 7278 2150 7278 3151	27. 04954495 109.3893886 93.37901141 99.22730337 114.2198634 1109.5442666 105.3575658 0.9807294704 0.975601629 0.9817271589 0.984739708 0.9769355978 0.9800475059 0.01927052961 0.02439837097 0.01827284105 0.01526029203 0.0330644022 0.01995249406 664050.8891 568630.2252 220651.3637	223 37726 1 277010 11 35955 1: 35955 1: 32561 11 37726 0. 27010 0. 337955 0. 28833 0. 32561 0. 37726 0. 27010 0. 35955 0. 37726 0. 27010 0. 17666 5.6 17666 3.6 117666 3.1 117666 3.1 117666 3.1 117666 3.1 117666 3.1	12.0704392 12.128874 11.035102 16.642225 33.022872 19.1868584 9777798395 9761378849 9777432745 9817175022 982861252 9972861252 90128249777 017387495 00242884418 55588.8286 22356.7131 11704.4077 166297.0955	29880 37511 43703 50062 43114 29880 37511 43703 50062 43114 29880 37511 43703 50062 20095 13840 17387	118.8207739 107.9690923 98.23934617 115.6457731 95.20069494 106.7160924 0.976006811 0.9841504365 0.9792298109 0.693727378 0.9795298109 0.0693727378 0.0239478783 0.02399318903 0.01584956347 0.02077018911 0.03605212212 0.03605212212 0.02341435557 344656.5276 649487.5885	52115 53779 25141 26323 38761 52115 53779 25141 26323 38761 52115 53779 25141 26323 38761 52115 52	0.96  3 7 17 34 68 100 13  TCP Flows  Scenario 2 Retransmission Ratio  Fixed Share Retransmission Ratio  0.05  0.04  0.04  0.03  7 17 34 68 100 13

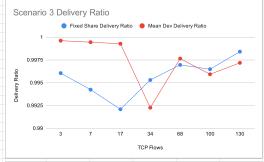


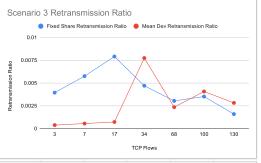


Runs (Fixed Share)	3	Total	7	Total	17	Total	34	Total	68	Total	100	Total	130	Total	
Mean RTT error 1	130.237	14189	162.624	21177	229.057	41720	201.6800718	52439	163.9063891	92314	165.6940498	170660	164.9074446	131765	
Mean RTT error 2	104.9538252	13655	89.6496	17810	197.032	50484	189.2263402	41128	293.3040589	33974	244.4809767	76029	198.4384628	59206	
Mean RTT error 3	474.386	4643	486.477	2964	200.6772744	32964	102.225	26675	227.0986418	75488	212.5940258	162969	122.6565881	31349	
Mean RTT error 4	131.761	40212	409.603	1179	280.8276921	46385	199.7599007	31757	194.1593324	114765	163.8301023	123461	159.3780106	103621	
Mean RTT error 5	192.968	30066	125.8083845	6547	77.757	15606	495.064	7585	197.4992824	55016	191.4638283	88063	126.4446699	20213	
Fixed Share RTT Mean I	161.3759616		156.7939908		215.6349171		195.408623		202.895128		190.9242925		162.9149841		
Goodput 1	136.3427865	28412	136.2812759	42663	88.67262128	86533	125.8104359	106296	135.6550601	185766	129.2586338	345754	134.1607805	265110	
Goodput 2	118.1822843	29026	136.8121053	35746	136.68026	101363	133.35935	83265	88.92217085	70944	114.1180448	155156	127.9331733	120355	
Goodput 3	53.43488553	10402	54.89519586	6676	136.514364	66025	136.6183192	53605	125.5807677	153798	127.1384441	330882	136.6041952	62898	
Goodput 4	136.625145	80537	56.62246129	2670	86.21009258	98956	131.5941936	64501	120.5326792	230770	123.1440439	252361	136.2301601	209034	
Goodput 5	136.3282008	60586	111.7758459	13633	136.3356257	31258	54.60827977	16866	136.3026437	110557	112.4086752	177699	130.6890792	41150	
Fixed Share Goodput	129.7977134		125.7166134		112.8076716		126.9815942		124.6379871		123.2452577		133.7225457		
Delivery Ratio 1	0.9988385189	28412	1	42663	0.9879236823	86533	0.9957759464	106296	0.9986919027	185766	0.9971945372	345754	0.999407793	265110	
	0.9863226073			35746	1			83265	0.9868769734	70944	0.9947665575	155156	0.9954384945	120355	
	0.9662564891			6676	0.9988489209	66025	1	53605	0.9945252864	153798		330882	0.9998569112	62898	
,	1	80537		2670	0.9809915518			64501		230770	0.995011115	252361		209034	
	0.9992737596				0.9987843112		0.9674493063	16866		110557	0.9988182263	177699		41150	
Fixed Share Delivery Ra		00500	0.9942399495		0.9920861156		0.9952978588	10000	0.9969581092	110557	0.9964805698	177077	0.9984066927	41130	
rixed Silale Delivery Na	0.9900319320		0.9942399493		0.9920001130		0.9932976366		0.9909361092		0.9904003096		0.9904000927		
Retransmit Ratio 1	0.0011614810	20412	0	42663	0.01207631771	06522	0.004224053586	10/20/	0.001308097284	105766	0.002805462844	245754	0.000592207008	265110	
	0.0011614810		0.001063056006		0.0120/631//1		0.004224053586		0.001308097284		0.002805462844				
	0.01367/3926		0.001063056006		0.001151079137		0.002329910527		0.01312302661		0.005233442471		0.004561505546		
		10402 80537	0.037/4/15398		0.001151079137		0.005178214291	53605	0.0054/4/13585		0.003596448281		0.000143088810		
	0.0007262403		0.04736334307		0.0190084482			16866	0.001037329809		0.00498888497		0.000760641809		
Retransmit Ratio 5 Fixed Share Retransmis		00380	0.01224968826	1.0000	0.001215688784		0.0325506937	10800	0.000244217914	11033/	0.0011817/36/3	1//099	0.005808019441	+1130	
Fixed Share Retransmis:	0.0039480673		0.005760050499		0.007913884442		0.004702141231		0.00304189084		0.003519430171		0.001593307251		
						10100			******		*******				
	3632740.04			20271	5288497.427	40199	94550.36611	50239	3210860.557	88286	3873684.296	163522	2674573.545	126049	
	68865.97315			17034	5602173.055	48269	394456.6179	39389		32769	176036.4738	72926	1486341.904	56729	
	53326.47849			2881	8202623.214	31493	5927498.171	25504	572485.4054	72372	1895478.422	156233	3375960.843	29974	
		38414		1149	1489494.941	44989	7572352.634	30417	785388.0408	109835	1199187.542	118514	299468.4176	99226	
	703556.8554	28785		6318	3995612.036	14910	125628.1835	7390	463665.4169	52602	5056422.363	84401	4005132.434	19385	
Fixed Share Cwnd	4728963.564		1532716.772		4825499.141		2633199.663		1229924.674		2537448.431		1901212.889		
,	3	Total		Total	17		34	Total	68	Total	100	Total	130	Total	
Mean RTT error 1	11.9829	76432	11.2876	17056	11.1122	35732	13.82810649	26525	22.11513461	51695	35.51030953	36576	12.94321048	105009	
Mean RTT error 2	11.1554	13639	13.2143	2128	11.457	8169	13.1504	22655	20.06397147	78919	17.71899586	66213	11.45550992	150348	
Mean RTT error 3	13.0169	44164	10.9585	4892	12.1167	5398	11.0523	10995	11.72868265	39403	17.71177054	63539	15.23202881	67601	
Mean RTT error 4	10.7279	6542	11.6059	17529	11.2817	19863	13.34619437	23284	11.55774436	58408	11.25834	95469	18.64171263	96708	
Mean RTT error 5	10.843	11630	73.343	1455	11.5849	5064	21.9282	28720	11.23249298	101999	16.93281551	143739	21.37100667	54313	
Mean Dev RTT Mean Er	12.06762089		13.57185797		11.30080633		15.39293066		15.16107642		17.5229069		14.92617438		
Goodput 1	136.5767511	153480	136.716912	34151	136.6369796	71692	121.079419	54229	122.372722	105631	99.3643207	76408	124.1159208	211880	
	136 3580219			4259	136.6808087	16341	136.6761208	45429	124.9598177	160609	127 6040839	134292	136 5441998	302003	
	136.4703174			9919	136.2339901	10925		21993		79774	126.2548317	128677	107 2220078	137553	
	136 4131584			35288	136 2920707	39873		47919	136 539339	117228	136 4200568	192227	124 1986715	197996	
	136 3074999			2917	136.7315691	10169	120.2956331	60456		204706	123 2064539	291391	123 3841244	111634	
	136.4986908	23341	136.4154752	291/	136.5263949	10109	126.9742853	00430	131.4427871	204700	125.2734217	291391	125.5354488	111034	
moan bey oouuput	. 30. 7300308		.30.7134/32		.50.5203343		.20.3/42033		.31.772/0/1		.23.2134211		.23.3334400		
Delivery Ratio 1	0.999960907	152490	1	34151	0.9994699548	71692	0.9927345147	54229	0.9933068891	105631	0.9852502356	76408	0.9985180291	211880	
	0.999960907			4259	0.9994699548			45429	0.9953925372	160609	0.9852502356	134292	0.9985180291	302003	
				4259 9919			0.9990/04804								
	0.9999548573		-		0.9970709382	10925	0.001202015	21993	0.9994609773	79774	0.9971323547	128677	0.9953617878	137553	
	0.997561719			35288	1	39873		47919	0.9996331934	117228	0.9993029075	192227	0.9950807087	197996	
,	0.998385795	23541		2917	0.9962631527		0.9846499934	60456		204706	0.9961769581	291391	0.993953455	111634	
Mean Dev Delivery Ratio	u.9996144723		0.9994453047		0.9992751678		0.992257397		0.9976480205		0.9959258562		0.9971802145		
		153480		34151	0.000530045193		0.007265485257		0.006693110924		0.01474976442		0.001481970927		
	0.0013908714				0		0.00092451958		0.004607462845		0.004534894111		0.000360923567		
		88608	0	9919	0.002929061785			21993	0.000539022739		0.002867645345		0.00463821218		
Retransmit Ratio 3	4.51E-05			25200	0	39873	0.008702184937	47919	0.000366806565	117228	0.0006970925	192227	0.004919291299	197996	
Retransmit Ratio 3			0.001218544548	33288			0.01535000662	60456	0.000185632077	204706	0.003823041892	291391	0.006046544959	111634	
Retransmit Ratio 3 Retransmit Ratio 4	4.51E-05	13124	0.001218544548 0.001714089818		0.003736847281	10169	0.015550000002								
Retransmit Ratio 3 Retransmit Ratio 4	4.51E-05 0.0024382810 0.0016142050	13124			0.003736847281 0.000724832214		0.00774260301		0.002351979495		0.004074143828		0.00281978553		
Retransmit Ratio 3 Retransmit Ratio 4 Retransmit Ratio 5	4.51E-05 0.0024382810 0.0016142050	13124	0.001714089818						0.002351979495						
Retransmit Ratio 3 Retransmit Ratio 4 Retransmit Ratio 5 Mean Dev Retransmissio	4.51E-05 0.0024382810 0.0016142050	13124 23541	0.001714089818 0.000554695264		0.000724832214		0.00774260301	25421		49561		35245		100511	
Retransmit Ratio 3 Retransmit Ratio 4 Retransmit Ratio 5 Mean Dev Retransmissic Cwnd 1	4.51E-05 0.0024382810 0.0016142050 0.0003855276	13124 23541 73110	0.001714089818 0.000554695264 4367060	2917	0.000724832214	34159	0.00774260301 4672376.971	25421 21644	182204.1769		0.004074143828		0.00281978553	100511 143737	
Retransmit Ratio 3 Retransmit Ratio 4 Retransmit Ratio 5 Mean Dev Retransmissic Cwnd 1 Cwnd 2	4.51E-05 0.0024382810 0.0016142050 0.0003855276 8603165.203	13124 23541 73110 13031	0.001714089818 0.000554695264 4367060 545380	2917 16294	0.000724832214 512682.4637	34159 7805	0.00774260301 4672376.971		182204.1769 3758096.094	49561	0.004074143828 2431825.436	35245	0.00281978553 2433906.947		
Retransmit Ratio 3 Retransmit Ratio 4 Retransmit Ratio 5 Mean Dev Retransmissic Cwnd 1 Cwnd 2 Cwnd 3	4.51E-05 0.0024382810 0.0016142050 0.0003855276 8603165.203 3492040.041 3948592.165	13124 23541 73110 13031 42231	0.001714089818 0.000554695264 4367060 545380 35301.38024	2917 16294 2034	0.000724832214 512682.4637 2092008	34159 7805 5177	0.00774260301 4672376.971 5800324.025	21644	182204.1769 3758096.094 167167.7282	49561 75663	0.004074143828 2431825.436 3488733.627	35245 63436	0.00281978553 2433906.947 2630266.199	143737	
Retransmit Ratio 3 Retransmit Ratio 4 Retransmit Ratio 5 Mean Dev Retransmissic Cwnd 1 Cwnd 2 Cwnd 3 Cwnd 4	4.51E-05 0.0024382810 0.0016142050 0.0003855276 8603165.203 3492040.041 3948592.165 1675536	13124 23541 73110 13031 42231 6251	0.001714089818 0.000554695264 4367060 545380 35301.38024 68428.67354	2917 16294 2034 4697 16768	0.000724832214 512682.4637 2092008 374266.6013 951309.8891	34159 7805 5177 18995	0.00774260301 4672376.971 5800324.025 2815340 462146.176	21644 10504 22429	182204.1769 3758096.094 167167.7282 3672307.486	49561 75663 37769 55824	0.004074143828 2431825.436 3488733.627 72024.47851 438521.9835	35245 63436 60887 91338	0.00281978553 2433906.947 2630266.199 1058959.633 49569.91581	143737 64806 92893	
Retransmit Ratio 3 Retransmit Ratio 4 Retransmit Ratio 5 Mean Dev Retransmissic Cwnd 1 Cwnd 2 Cwnd 3 Cwnd 4 Cwnd 4 Cwnd 5	4.51E-05 0.0024382810 0.0016142050 0.0003855276 8603165.203 3492040.041 3948592.165	13124 23541 73110 13031 42231 6251	0.001714089818 0.000554695264 4367060 545380 35301.38024	2917 16294 2034 4697	0.000724832214 512682.4637 2092008 374266.6013	34159 7805 5177 18995 4840	0.00774260301 4672376.971 5800324.025 2815340 462146.176	21644 10504	182204.1769 3758096.094 167167.7282	49561 75663 37769	0.004074143828 2431825.436 3488733.627 72024.47851	35245 63436 60887	0.00281978553 2433906.947 2630266.199 1058959.633 49569.91581	143737 64806	

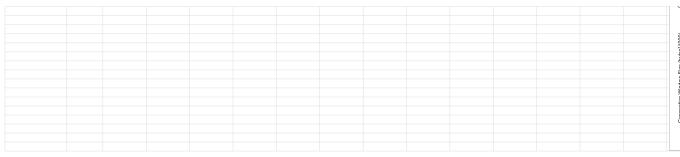


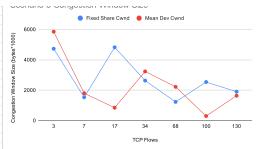




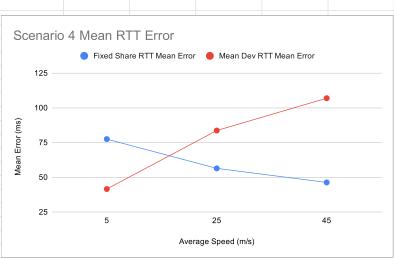


Scenario 3 Congestion Window Size





		Total		Total		Total	
Runs (Fixed Share)	5		25		45		
Mean RTT error 1	73.51158597	57467	60.78984932	72985	47.4638694	60543	S
Mean RTT error 2	89.54446842	54358	57.24580403	74951	46.01181804	57018	
Mean RTT error 3	57.26057155	55883	45.7428742	67471	46.54011384	52958	
Mean RTT error 4	110.9413155	52241	53.99186808	72785	45.46284085	58679	
Mean RTT error 5	62.39517969	69283	63.9932439	67634	45.92477475	60379	
Fixed Share RTT Mean Error	77.48261446		56.40850318		46.28262689		
Goodput 1	95.8000703	132312	31.98642532	175389	38.95517277	161591	Mean Error (ms)
Goodput 2	102.4581703	119359	35.50901838	182540	22.32372549	143767	0
Goodput 3	101.3264026	124813	33.39894702	165189	19.83291144	133866	<u> </u>
Goodput 4	88.89846096	126775	30.23998837	176827	21.33873933	146369	lear
Goodput 5	105.5073046	154712	38.95517277	161591	22.23377182	150046	
Fixed Share Goodput	99.00892964		33.95223621		25.30941311		
Delivery Detic 4	0.8950813229	132312	0.8678708471	175389	0.8749249649	161591	
Delivery Ratio 1							
Delivery Ratio 2	0.9331847619	119359	0.8565629451	182540	0.8479414608	143767	
Delivery Ratio 3	0.9180934678	124813	0.8529744717	165189	0.845756204	133866	
Delivery Ratio 4	0.8534884638	126775	0.8670395358	176827	0.8529538359	146369	
Delivery Ratio 5	0.914764207	154712	0.8749249649	161591	0.8611425829	150046	S
Fixed Share Delivery Ratio	0.9029729274		0.8637712179		0.8571609172		
Retransmit Ratio 1	0.1049186771	132312	0.1321291529	175389	0.1250750351	161591	
Retransmit Ratio 2	0.06681523806	119359	0.1434370549	182540	0.1520585392	143767	
Retransmit Ratio 3	0.08190653217	124813	0.1470255283	165189	0.154243796	133866	
Retransmit Ratio 4	0.1465115362	126775	0.1329604642	176827	0.1470461641	146369	
Retransmit Ratio 5	0.08523579296	154712	0.1250750351	161591	0.1388574171	150046	(s/a
Fixed Share Retransmission Ratio	0.09702707262		0.1362287821		0.1428390828		Goodput (p/s)
							Good
D 44 D )			roo oo:				
Runs (Mean Dev)	[1-10]	Total	[20-30]	Total	[40-50]	Total	
Mean RTT error 1	51.80848014	59225	102.5974465	76609	121.8599067	49855	
Mean RTT error 2	37.07444066	69423	80.75745744	68741	99.41246511	53380	
Mean RTT error 3	44.34645771	55939	89.74021619	57885	111.9352563	43206	
Mean RTT error 4	40.13492578	47879	70.01880817	71140	98.25223512	58768	
Mean RTT error 5	34.98200221	59529	74.46963923	69456	105.986045	52587	
Mean Dev RTT Mean Error	41.53131509		83.64385367		106.9287857		-
Goodput 1	99.467721	129829	30.4823306	184785	17.34657436	126738	S
Goodput 2	99.04364911	157459	22.08869289	169272	20.63036379	131963	
Goodput 3	98.26302289	124436	24.94844427	144175	15.41295699	111707	
Goodput 4	100.597123	106565	40.62513927	169234	30.01922216	143803	
Goodput 5	92.05342045	137689	31.79033601	165964	20.14037879	131634	
Mean Dev Goodput	97.76462326		30.14029106		21.07419404		
							ry Ratio
Delivery Ratio 1	0.9395435534	129829	0.8635332955	184785	0.8386671716	126738	200







Delivery Ratio 2	0.9030414267	157459	0.8563200057	169272	0.8548684101	131963	0.85 O
elivery Ratio 3	0.9287344498	124436	0.8407074736	144175	0.8275846634	111707	Q
elivery Ratio 4	0.9195702154	106565	0.8774300672	169234	0.8665187792	143803	0.825
elivery Ratio 5	0.8910297845	137689	0.8751295462	165964	0.8452527463	131634	
Mean Dev Delivery Ratio	0.915303562		0.8632506629		0.8476043013		0.8 5 25 45
Retransmit Ratio 1	0.06045644656	129829	0.1364667045	184785	0.1613328284	126738	Average Speed (m/s)
tetransmit Ratio 2	0.09695857334	157459	0.1436799943	169272	0.1451315899	131963	Average Speed (III/S)
Retransmit Ratio 3	0.07126555016	124436	0.1592925264	144175	0.1724153366	111707	
Retransmit Ratio 4	0.08042978464	106565	0.1225699328	169234	0.1334812208	143803	Scenario 4 Retransmission Ratio
Retransmit Ratio 5	0.1089702155	137689	0.1248704538	165964	0.1547472537	131634	Scenario 4 Netransmission Natio
Mean Dev Retransmission Ratio	0.08469643799		0.1367493371		0.1523956987		<ul> <li>Fixed Share Retransmission Ratio</li> <li>Mean Dev Retransmission Ratio</li> </ul>
							0.175
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							atio
							μ <sup>2</sup> 0.125
							ssio
							0.125  0.125  0.125
							stra-
							<u>د</u> 0.075
							0.05
							5 25 45
							Average Speed (m/s)