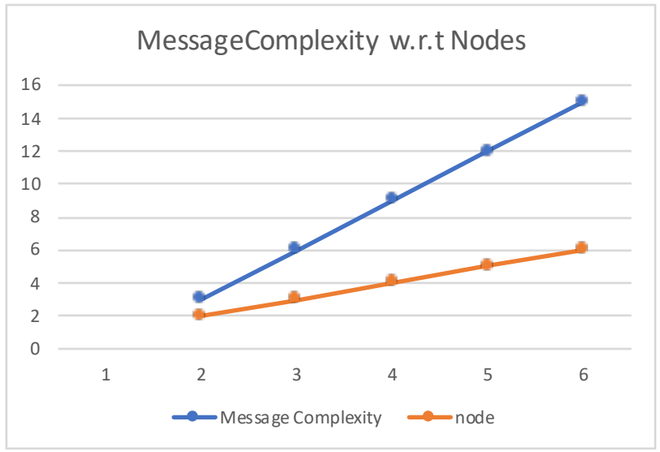
TABULATION SHOWING DIFFERENT RESULTS OBTAINED BY VARYING THE NUBER OF NODES(n)

NoOfNodes(n)	Inter-request delay	CS Execution Time	Message Complexity 3(n-1)	Average Response Time over 3 runs	Avg ResponseTime	System throughput	No.Of Requests
NODE2 run1	30ms	30ms	3	59,50	54.5	19	100
run2				60,49	54.5	19	
run3				60,50	55	19	
NODE3 run1	30ms	30ms	6	126,138,128	130.66	17	100
run2				140,130,127	132.33	17	
run3				139,128,128	131.66	17	
NODE4 run1	30ms	30ms	9	236,226,225,221	227	15	100
run2				237,228,226,222	228.25	14	
run3				231,223,218,221	223.25	14	
NODE5 run1	30ms	30ms	12	334 322 324 329 324	326.6	13	100
run2				335 325 322 326 327	327	13	
run3				341 328 329 331 334	332.6	13	
NODE6 run1	30ms	30ms	15	499 499 505 503 485 468	493.16	9	100
run2				539 539 542 544 522 505	531.83	9	
run3				507 518 510 513 492 480	503.33	8	

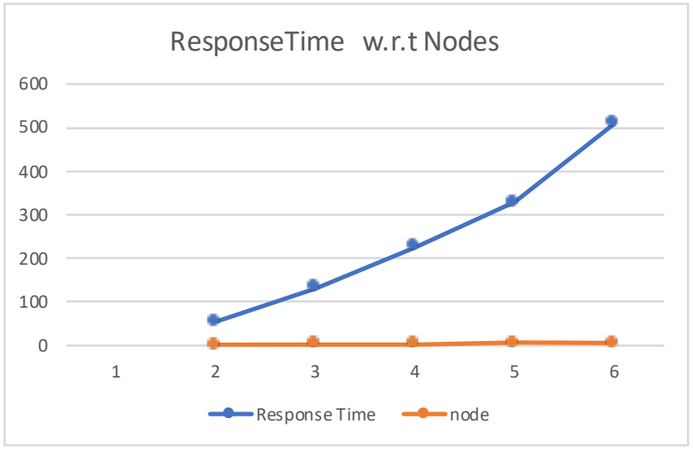
Response Time	System throughput	Message Complexity	node	
54.66	19	3	2	**Interrequestdelay,CSExecutionTime are constant**
131.55	17	6	3	
226.16	14.33	9	4	
328.73	13	12	5	
509.44	8.66	15	6	

PICTORIAL REPRESENTATION OF DIFFERENT PARAMETERS WRT NUMBER OF NODES



Message Complexity	node
3	2
6	3
9	4
12	5
15	6

System throughput	node
19	2
17	3
14.33	4
13	5
8.66	6



Response Time	node
54.66	2
131.55	3
226.16	4
328.73	5
509.44	6

OBSERVATIONS:

From the above plotted graphs, we observe that as we vary the number of nodes,the Average Response time of the exclusion algorithm increases exponentially, while the System throughput decreases gradually.This graph is plotted varying the number of nodes,keeping the other parameters

TABULATION SHOWING DIFFERENT RESULTS OBTAINED BY VARYING THE INTER REQUEST DELAY (d)

NoOfNodes(n)	Inter-request delay	CS Execution Time	Message Complexity 3(n-1)	Average Response Time over 3 run	Avg Response	System throughput	No.Of Requests
NODE2 run1	20ms	30ms	3	74,64	69	19	100
run2				74,62	68	19	
run3				74,64	69	19	
NODE2 run1	30ms	30ms	3	61,50	55.5	19	100
run2				59,51	55	19	
run3				60,50	55	19	
NODE2 run1	40ms	30ms	3	45,44	44.5	19	100
run2				44,42	43	19	
run3				45,42	43.5	19	
NODE2 run1	50ms	30ms	3	60,54	57	18	100
run2				46,45	45.5	19	
run3				46,46	46	19	
NODE2 run1	60ms	30ms	3	45,44	44.5	19	100
run2				46,45	45.5	18	
run3				45,45	45	19	

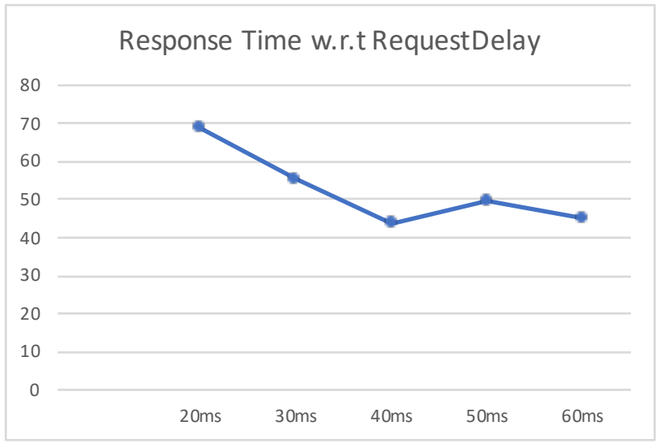
Response Time	System throughput	Message Complexity	Inter-request delay	NumberOfNodes
68.66	19	3	20ms	2
55.16	19	3	30ms	2
43.66	19	3	40ms	2
49.5	18.66	3	50ms	2
45	18.66	3	60ms	2

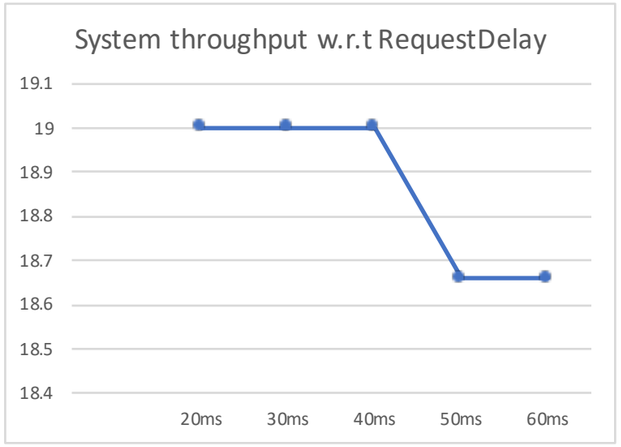
NoOfNodes,CSExecutionTime are constant

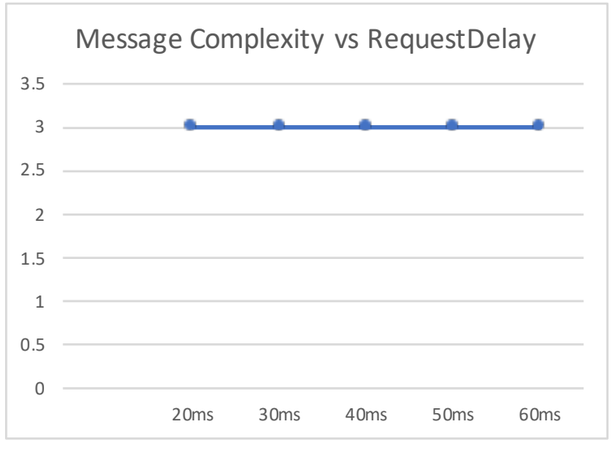
Inter-request delay	Response Time
20ms	68.66
30ms	55.16
40ms	43.66
50ms	49.5
60ms	45

Inter-request delay	System throughput
20ms	19
30ms	19
40ms	19
50ms	18.66
60ms	18.66

Inter-request delay	Message Complexity
20ms	3
30ms	3
40ms	3
50ms	3
60ms	3







OBSERVATIONS:

From the above plotted graphs, we observe that as we vary the Inter Request Delay,the Average Response time of the exclusion algorithm and the throughput changes can be observed. This graph is plotted varying InterrequestDelay,keeping the other parameters

TABULATION SHOWING DIFFERENT RESULTS OBTAINED BY VARYING CS EXECUTION TIME (c)

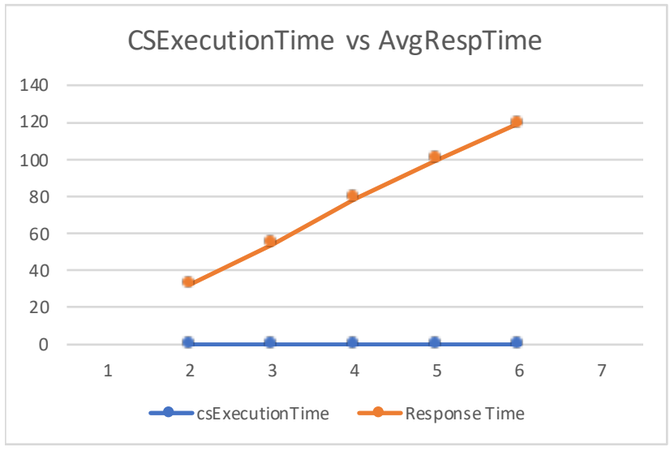
NoOfNodes(n)	Inter-request delay	CS Execution Time	Message Complexity 3(n-1	Average Response Time over 3 run	Avg ResponseTime	System throughput	No.Of Requests
NODE2 run1	30ms	20ms	3	34,33	33.5	19	100
run2				34,31	32.5	19	
run3				33,30	31.5	19	
NODE2 run1	30ms	30ms	3	60,49	54.5	19	100
run2				61,50	55.5	19	
run3				59,48	53.5	19	
NODE2 run1	30ms	40ms	3	85,73	79	17	100
run2				85,73	79	17	
run3				85,74	79.5	17	
NODE2 run1	30ms	50ms	3	105,95	100	14	100
run2				106,95	100.5	14	
run3				105,95	100	14	
NODE2 run1	30ms	60ms	3	125,114	119.5	12	100
run2				126,114	120	12	
run3				126,113	119.5	12	

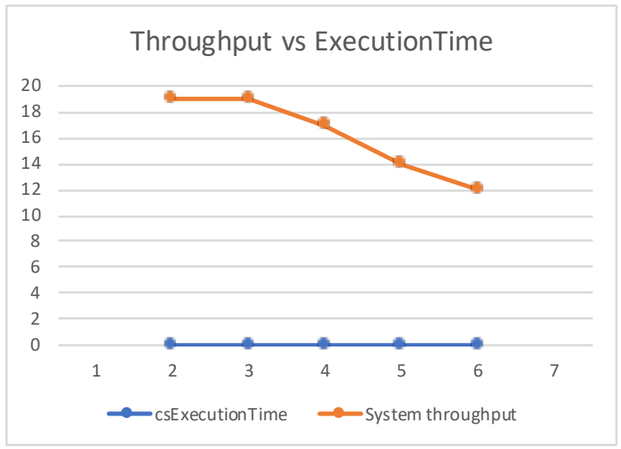
Response Time	System throughput	Message Complexity	csExecutionTime	NumberOfNodes	
32.5	19	3	20ms	2	**NoOfNodes,InterRequestDelay are constant**
54.5	19	3	30ms	2	
79.16	17	3	40ms	2	
100.16	14	3	50ms	2	
119.66	12	3	60ms	2	

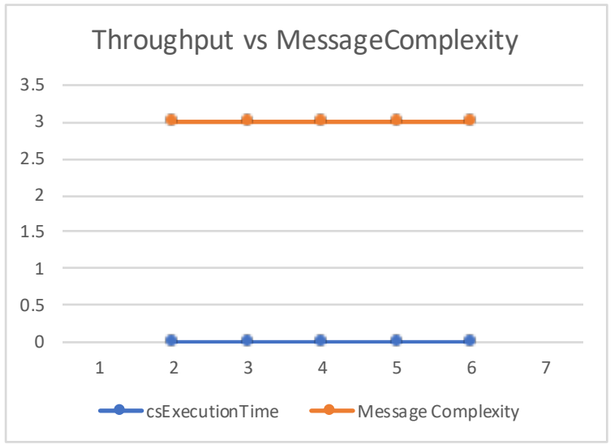
csExecutionTime	Response Time
20ms	32.5
30ms	54.5
40ms	79.16
50ms	100.16
60ms	119.66

csExecutionTime	System throughput
20ms	19
30ms	19
40ms	17
50ms	14
60ms	12

csExecutionTime	Message Complexity
20ms	3
30ms	3
40ms	3
50ms	3
60ms	3







OBSERVATIONS:

From the above plotted graphs, we observe that as we vary the CSExecutionTime,the Average Response time of the exclusion algorithm increases exponentially
and the throughput is decreased gradually. This graph is plotted varying CSExecutionTime,keeping the other parameters constant.