Task 1.1

- The inter-arrival time of RT messages is constant $= 10$
- The inter-arrival time of nonR is constant $= 5$
- The service time of an RT message is constant $= 2$
- The service time of a nonRT message is constant $= 4$

MC n_{RT}	RTCL	nonRTCL	n_{RT}	n_{nonRT}	SCL	Server status, s	pre-empted service time
0	3	5	0	0	4	2	
3	13	5	0	1	5	1	s = 1
5	13	10	0	2	5	1	s = 1
5	13	10	0	1	6	2	
6	13	10	0	0	10	2	
10	13	15	0	1	10	2	
10	13	15	0	0	14	2	
13	23	15	0	1	15	1	s = 1
15	23	20	0	2	15	1	s = 1
15	23	20	0	1	16	2	
16	23	20	0	0	20	2	
20	23	25	0	1	20	2	
20	23	25	0	0	24	2	
23	33	25	0	1	25	1	s = 1
25	33	30	0	2	25	1	s = 1
25	33	30	0	1	26	2	
26	33	30	0	0	30	2	
30	33	35	0	1	30	2	
30	33	35	0	0	34	2	
33	43	35	0	1	35	1	s = 1
35	43	40	0	2	35	1	s = 1
35	43	40	0	1	36	2	
36	43	40	0	0	40	2	
40	43	45	0	1	40	2	
40	43	45	0	0	44	2	
43	53	45	0	1	45	1	s = 1
45	53	50	0	2	45	1	s = 1
45	53	50	0	1	46	2	
46	53	50	0	0	50	2	
50	53	55	0	1	50	2	
50	53	55	0	0	54	2	

Task 1.2

- The inter-arrival time of RT messages is constant = 5
- The inter-arrival time of nonR is constant = 10
- The service time of an RT message is constant = 4
- The service time of a nonRT message is constant = 2

MC n_{RT}	RTCL	nonRTCL	n_{RT}	n_{nonRT}	SCL	Server status, s	pre-empted service time
0	3	5	0	0	4	2	
3	8	5	0	1	7	1	s = 1
5	8	15	0	2	7	1	s = 1
7	8	15	0	1	8	2	
8	13	15	0	1	12	1	
12	13	15	0	0	14	2	
13	18	15	0	1	17	1	s = 1
15	18	25	0	2	17	1	s = 1
17	18	25	0	1	18	2	
18	23	25	0	1	22	1	
22	23	25	0	0	24	2	

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