

>> CE412Project3

This simulation runs for 1 million car arrivals at the toll booth.

Enter the arrival rate (cars/min) from road 1: 5

Enter the arrival rate (cars/min) from road 2: 2

Enter the arrival rate (cars/min) from road 3: 3

Enter the service rate (cars/min) of the toll booth: 12

Would you like to see the table? Y/N: Y

Enter the number of table entries you want to see: 10

Car#	R1	R2	R3	IntArvl	Arvl	SrvTime	SrvStrt	QTime	SrvEnd	SysTime	IdlTime
1	1	0	0	0.0000	0.0000	0.0936	0.0000	0.0000	0.0936	0.0936	0.0000
2	2	0	0	0.0084	0.0084	0.0147	0.0936	0.0852	0.1084	0.0999	0.0000
3	2	0	1	0.0238	0.0322	0.1167	0.1084	0.0762	0.2250	0.1928	0.0000
4	2	1	1	0.0231	0.0553	0.2236	0.2250	0.1697	0.4486	0.3933	0.0000
5	2	1	2	0.1655	0.2208	0.1541	0.4486	0.2278	0.6027	0.3819	0.0000
6	3	1	2	0.6232	0.8440	0.1121	0.8440	0.0000	0.9561	0.1121	0.2413
7	4	1	2	0.0804	0.9244	0.0154	0.9561	0.0317	0.9715	0.0471	0.2413
8	4	2	2	0.0015	0.9259	0.1507	0.9715	0.0456	1.1222	0.1963	0.2413
9	5	2	2	0.1363	1.0622	0.0554	1.1222	0.0600	1.1776	0.1154	0.2413
10	5	2	3	0.2487	1.3109	0.1604	1.3109	0.0000	1.4713	0.1604	0.3746

The rest of the simulation is in progress...

Average waiting time at the toll booth queue is [REDACTED] mins.

Average time spent in system is [REDACTED] mins.

Car arrival statistics:

[REDACTED] % of cars arrived from road 1.

[REDACTED] % of cars arrived from road 2.

[REDACTED] % of cars arrived from road 3.