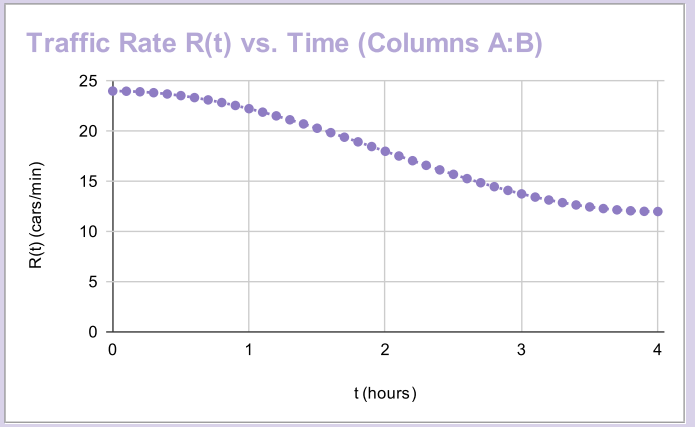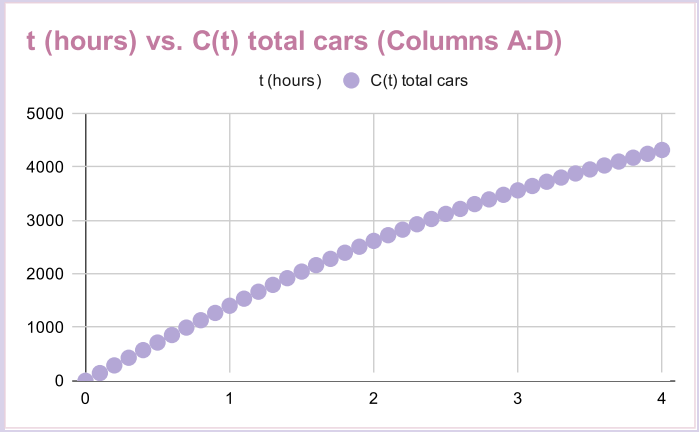t (hours)	R(t) (cars/min)	R_hour(t) cars/hour	C(t) total cars
0	24	1440	0
0.1	23.981504	1438.89024	143.9630004
0.2	23.92613004	1435.567803	287.7042769
0.3	23.83421952	1430.053171	431.0034728
0.4	23.7063391	1422.380346	573.6429566
0.5	23.5432772	1412.596632	715.4091645
0.6	23.34603915	1400.762349	856.0939166
0.7	23.11584099	1386.950459	995.4957005
0.8	22.85410197	1371.246118	1133.420914
0.9	22.56243579	1353.746148	1269.685057
1	22.24264069	1334.558441	1404.113874
1.1	21.89668829	1313.801297	1536.54442
1.2	21.52671151	1291.602691	1666.826075
1.3	21.13499139	1268.099483	1794.821463
1.4	20.723943	1243.43658	1920.407307
1.5	20.29610059	1217.766036	2043.475184
1.6	19.85410197	1191.246118	2163.932196
1.7	19.40067218	1164.040331	2281.701541
1.8	18.93860679	1136.316407	2396.722987
1.9	18.47075457	1108.245274	2508.953246
2	18	1080	2618.366236
2.1	17.52924543	1051.754726	2724.953246
2.2	17.06139321	1023.683593	2828.722987
2.3	16.59932782	995.959669	2929.701541
2.4	16.14589803	968.753882	3027.932196
2.5	15.70389941	942.2339643	3123.475184
2.6	15.276057	916.5634201	3216.407307
2.7	14.86500861	891.9005167	3306.821463
2.8	14.47328849	868.3973092	3394.826075
2.9	14.10331171	846.1987026	3480.54442
3	13.75735931	825.4415588	3564.113874
3.1	13.43756421	806.2538524	3645.685057
3.2	13.14589803	788.753882	3725.420914
3.3	12.88415901	773.0495408	3803.4957
3.4	12.65396085	759.2376513	3880.093917
3.5	12.4567228	747.4033683	3955.409165
3.6	12.2936609	737.6196541	4029.642957
3.7	12.16578048	729.9468287	4103.003473
3.8	12.07386996	724.4321974	4175.704277
3.9	12.018496	721.1097599	4247.963
4	12	720	4320