

Table4

		Aver	t1	t2	t3	t4	t5
Row1_LCC	Runtime	1.43	1.45	1.43	1.36	1.51	1.38
Relation A	CPUsystem	0.05	0.04	0.03	0.04	0.06	0.09
4.91	CPUuser	1.24	1.29	1.29	1.18	1.31	1.14
270.15	Memory	276,636.00	276604	276604	276656	276656	276660
Row1_LCP	Runtime	7.02	7.08	7.1	6.99	6.97	6.95
Relation B	CPUsystem	0.04	0.04	0.05	0.03	0.04	0.06
79.63%	CPUuser	6.61	6.65	6.69	6.59	6.57	6.53
218.41	Memory	223,652.80	223604	223620	223616	223620	223804
Row1_SLCT	Runtime	1.29	1.22	1.51	1.24	1.23	1.24
	CPUsystem	0.01	0	0	0.01	0.01	0.01
	CPUuser	1.27	1.22	1.49	1.21	1.21	1.21
24.84	Memory	25,436.80	26572	26732	24660	24652	24568
Row2_LCC	Runtime	1.26	1.25	1.26	1.26	1.26	1.26
Relation A	CPUsystem	0.06	0.08	0.04	0.04	0.06	0.06
5.66	CPUuser	1.20	1.17	1.21	1.22	1.2	1.2
342.67	Memory	350,889.60	350464	350500	352536	350476	350472
Row2_LCP	Runtime	7.13	7.11	7.1	7.09	7.09	7.24
Relation B	CPUsystem	0.05	0.05	0.05	0.08	0.04	0.05
82.33%	CPUuser	7.07	7.06	7.05	7.01	7.04	7.19
272.30	Memory	278,832.00	278876	278792	278800	278800	278892
Row2_SLCT	Runtime	1.26	1.26	1.28	1.26	1.26	1.26
	CPUsystem	0.01	0	0.01	0.01	0.01	0.01
	CPUuser	1.25	1.26	1.27	1.24	1.25	1.25
35.35	Memory	36,200.00	35044	35056	36936	36992	36972
Row3_LCC	Runtime	1.47	1.45	1.45	1.48	1.47	1.49
Relation A	CPUsystem	0.11	0.1	0.14	0.1	0.1	0.11
5.44	CPUuser	1.35	1.34	1.31	1.38	1.36	1.38
639.97	Memory	655,327.20	655344	655384	655312	655296	655300
Row3_LCP	Runtime	7.99	7.96	7.93	7.97	8.14	7.95
Relation B	CPUsystem	0.08	0.08	0.08	0.1	0.09	0.07
81.62%	CPUuser	7.90	7.88	7.85	7.86	8.05	7.88
527.96	Memory	540,632.00	540716	540456	540716	540556	540716
Row3_SLCT	Runtime	1.34	1.33	1.34	1.33	1.34	1.36
	CPUsystem	0.01	0.02	0.01	0.02	0.01	0.01
	CPUuser	1.33	1.32	1.32	1.31	1.33	1.35
64.84	Memory	66,398.40	67652	67532	65548	65628	65632
Row4_LCC	Runtime	2.82	2.89	2.79	2.81	2.79	2.8
Relation A	CPUsystem	0.03	0.02	0.02	0.02	0.03	0.04
5.90	CPUuser	2.71	2.75	2.7	2.7	2.7	2.68
30.30	Memory	31,030.40	31436	31204	31368	29628	31516
Row4_LCP	Runtime	16.65	16.81	16.77	16.65	16.46	16.55
Relation B	CPUsystem	0.02	0.02	0.03	0.02	0.01	0.02
83.05%	CPUuser	16.63	16.79	16.74	16.63	16.45	16.54
26.67	Memory	27,311.20	27336	27316	27328	27352	27224

Row4_SLCT	Runtime	2.94	2.9	2.9	3.11	2.89	2.91
	CPUsystem	0.01	0.01	0.02	0	0.01	0
	CPUuser	2.93	2.89	2.88	3.11	2.88	2.9
6.44	Memory	6,597.60	5524	7160	7124	5744	7436
Row5_LCC	Runtime	3.54	3.52	3.51	3.57	3.55	3.54
Relation A	CPUsystem	0.29	0.31	0.3	0.27	0.26	0.32
5.97	CPUuser	3.24	3.2	3.21	3.29	3.28	3.22
1,614.05	Memory	1,652,791.20	1653416	1651696	1653356	1651960	1653528
Row5_LCP	Runtime	21.13	21.41	20.98	21.28	21.1	20.89
Relation B	CPUsystem	0.31	0.28	0.31	0.29	0.34	0.33
83.25%	CPUuser	20.83	21.13	20.67	20.99	20.77	20.57
1,412.11	Memory	1,446,000.80	1446124	1445928	1446124	1445964	1445864
Row5_SLCT	Runtime	2.98	3	2.97	2.99	2.97	2.98
	CPUsystem	0.01	0	0	0	0.03	0
	CPUuser	2.97	3	2.96	2.98	2.94	2.98
12.79	Memory	13,096.80	11804	13248	13452	13392	13588
Row6_LCC	Runtime	4.08	4.07	4.08	4.08	4.06	4.09
Relation A	CPUsystem	0.35	0.37	0.34	0.37	0.31	0.35
5.45	CPUuser	3.72	3.69	3.74	3.71	3.74	3.74
1,960.11	Memory	2,007,156.00	2006384	2007892	2007848	2006104	2007552
Row6_LCP	Runtime	22.23	22.19	22.44	22.06	22	22.48
Relation B	CPUsystem	0.33	0.22	0.33	0.38	0.35	0.39
81.65%	CPUuser	21.90	21.97	22.11	21.68	21.65	22.1
1,638.82	Memory	1,678,151.20	1678184	1678128	1678184	1678096	1678164
Row6_SLCT	Runtime	3.38	3.38	3.38	3.37	3.39	3.39
	CPUsystem	0.05	0.07	0.05	0.03	0.04	0.04
	CPUuser	3.33	3.31	3.33	3.34	3.34	3.35
176.64	Memory	180,881.60	180644	180616	180616	180540	181992
Row7_LCC	Runtime	9.13	9.27	9.18	9.04	8.98	9.16
Relation A	CPUsystem	0.06	0.05	0.06	0.05	0.04	0.08
5.99	CPUuser	8.93	8.99	8.97	8.91	8.88	8.91
42.44	Memory	43,463.20	43788	43768	43876	43620	42264
Row7_LCP	Runtime	54.66	54.78	54.39	55.17	54.61	54.34
Relation B	CPUsystem	0.03	0.03	0.04	0.01	0.04	0.05
83.31%	CPUuser	54.65	54.77	54.37	55.19	54.6	54.32
36.44	Memory	37,318.40	37260	37280	37272	37300	37480
Row7_SLCT	Runtime	9.61	9.63	9.59	9.62	9.61	9.6
	CPUsystem	0.03	0.03	0.02	0.02	0.03	0.04
	CPUuser	9.58	9.6	9.58	9.6	9.58	9.56
7.22	Memory	7,396.00	7960	8072	6544	7972	6432
Row8_LCC	Runtime	11.79	11.82	11.73	11.81	11.75	11.82
Relation A	CPUsystem	0.85	0.82	0.85	0.86	0.93	0.78
5.76	CPUuser	10.94	11	10.88	10.94	10.82	11.04
4,408.69	Memory	4,514,494.40	4513172	4514592	4514712	4515008	4514988
Row8_LCP	Runtime	67.90	67.83	67.99	67.96	67.49	68.23
Relation B	CPUsystem	0.83	0.83	0.86	0.87	0.82	0.78

82.64%	CPUuser	67.10	67.03	67.16	67.12	66.7	67.48
3,850.46	Memory	3,942,875.20	3942812	3942988	3942876	3942864	3942836
Row8_SLCT	Runtime	10.85	10.82	10.96	10.87	10.79	10.82
	CPUsystem	0.10	0.1	0.12	0.12	0.09	0.09
	CPUuser	10.75	10.72	10.84	10.75	10.71	10.72
362.61	Memory	371,316.80	371576	371780	371480	371752	369996
Row9_LCC	Runtime	15.40	15.42	15.38	15.56	15.33	15.32
Relation A	CPUsystem	1.20	1.11	1.15	1.27	1.17	1.28
4.97	CPUuser	12.77	12.85	12.8	12.85	12.72	12.61
6,313.13	Memory	6,464,646.40	6464288	6464500	6464324	6464360	6465760
Row9_LCP	Runtime	76.54	76.72	76.06	76.31	77.21	76.38
Relation B	CPUsystem	1.17	1.2	1.21	1.17	1.13	1.12
79.88%	CPUuser	73.88	74.02	73.38	73.65	74.59	73.78
5,355.29	Memory	5,483,820.80	5483812	5483832	5483808	5483844	5483808
Row9_SLCT	Runtime	13.18	13.08	13.09	13.57	12.95	13.2
	CPUsystem	0.16	0.19	0.18	0.15	0.12	0.18
	CPUuser	11.57	11.43	11.48	11.98	11.39	11.58
622.70	Memory	637,648.00	637104	638560	636912	638548	637116
Row10_LCC	Runtime	44.25	45.55	44.15	44.09	43.68	43.8
Relation A	CPUsystem	0.42	0.41	0.42	0.41	0.4	0.45
2.93	CPUuser	43.46	43.95	43.53	43.45	43.16	43.21
506.09	Memory	518,235.20	517500	519432	519236	517500	517508
Row10_LCP	Runtime	129.58	132.48	129.94	128.25	128.36	128.86
Relation B	CPUsystem	0.49	0.48	0.52	0.51	0.4	0.56
65.87%	CPUuser	129.14	132.07	129.48	127.8	128.01	128.36
1,125.18	Memory	1,152,185.60	1152212	1152208	1152104	1152192	1152212
Row10_SLCT	Runtime	48.36	46.27	48.8	46.89	51.57	48.29
	CPUsystem	0.37	0.41	0.37	0.36	0.34	0.35
	CPUuser	48.01	45.88	48.44	46.54	51.25	47.95
515.82	Memory	528,201.60	527812	527836	527904	527912	529544
Row11_LCC	Runtime	45.36	46.46	43.8	46.98	43.69	45.87
Relation A	CPUsystem	0.33	0.38	0.3	0.29	0.35	0.35
2.99	CPUuser	45.04	46.09	43.51	46.7	43.36	45.53
506.52	Memory	518,676.80	519564	517592	517516	519276	519436
Row11_LCP	Runtime	135.64	135.22	135.44	135.44	135.55	136.54
Relation B	CPUsystem	0.50	0.48	0.48	0.46	0.57	0.5
66.56%	CPUuser	135.20	134.8	135.02	135.04	135.05	136.1
1,125.71	Memory	1,152,728.00	1152676	1152788	1152732	1152720	1152724
Row11_SLCT	Runtime	47.89	49.66	46.68	47.21	46.84	49.06
	CPUsystem	0.35	0.34	0.33	0.36	0.33	0.38
	CPUuser	47.56	49.34	46.37	46.87	46.52	48.69
515.92	Memory	528,297.60	527916	529744	527988	527944	527896
Row12_LCC	Runtime	48.05	49.34	46.42	49.46	46.51	48.54
Relation A	CPUsystem	0.65	0.63	0.7	0.71	0.6	0.62
3.11	CPUuser	46.44	47.75	44.76	47.79	44.94	46.96
2,351.26	Memory	2,407,685.60	2406972	2406924	2408644	2406908	2408980

Row12_LCP	Runtime	149.51	148.23	150.47	148.65	149.55	150.66
Relation B	CPUsystem	0.86	0.76	0.77	0.87	1	0.9
67.85%	CPUuser	147.72	146.54	148.76	146.85	147.6	148.83
2,947.31	Memory	3,018,048.80	3018020	3018096	3018052	3018028	3018048
Row12_SLCT	Runtime	51.76	52.03	48.73	53.39	53.12	51.54
	CPUsystem	0.39	0.39	0.38	0.34	0.48	0.36
	CPUuser	50.40	50.67	47.39	52.07	51.67	50.21
516.60	Memory	528,997.60	529692	527820	529940	529716	527820
Row13_LCC	Runtime	1,467.49	1521.98	1452.24	1461.6	1447.06	1454.59
Relation A	CPUsystem	12.85	13.06	12.94	12.77	13.2	12.28
4.95	CPUuser	1,444.58	1461.2	1438.02	1448.34	1433.44	1441.88
1,150.06	Memory	1,177,664.80	1178424	1176460	1178400	1176532	1178508
Row13_LCP	Runtime	7,269.19	7326.58	7246.4	7264.59	7219.72	7288.64
Relation B	CPUsystem	15.13	14.69	14.94	15.34	15.08	15.59
79.8%	CPUuser	7,256.64	7314.61	7233.23	7251.98	7207.32	7276.04
2,737.07	Memory	2,802,756.80	2802804	2802656	2802780	2802724	2802820
Row13_SLCT	Runtime	1,552.10	1538.78	1561.41	1551.87	1553.02	1555.4
	CPUsystem	12.99	13.05	13.12	12.98	13.07	12.73
	CPUuser	1,536.58	1525.27	1543.78	1536.51	1538.09	1539.27
1,184.69	Memory	1,213,126.40	1211952	1211924	1213828	1213956	1213972
Row14_LCC	Runtime	1,501.50	1483.77	1504.56	1538.38	1490.16	1490.61
Relation A	CPUsystem	13.78	13.44	14.14	13.78	13.76	13.78
4.95	CPUuser	1,472.08	1460.11	1473.34	1506.78	1461.03	1459.16
1,149.27	Memory	1,176,855.20	1176420	1178452	1176432	1176456	1176516
Row14_LCP	Runtime	7,438.88	7457.3	7411.21	7488.86	7372.77	7464.27
Relation B	CPUsystem	15.88	15.77	15.89	15.62	16.1	16.04
79.8%	CPUuser	7,424.48	7443.87	7396.33	7474.41	7357.95	7449.84
2,738.11	Memory	2,803,820.00	2803744	2803832	2803844	2803872	2803808
Row14_SLCT	Runtime	1,593.84	1582	1605.16	1606.31	1591.73	1584.01
	CPUsystem	13.84	13.6	13.6	13.99	14.1	13.91
	CPUuser	1,562.62	1557.44	1573.29	1571.78	1559.56	1551.01
1,184.81	Memory	1,213,242.40	1214000	1214052	1212032	1212116	1214012
Row15_LCC	Runtime	2,822.85	2785.31	2828.22	2889.74	2807.05	2803.95
Relation A	CPUsystem	27.65	28.17	27.52	27.12	27.67	27.79
5.56	CPUuser	2,747.38	2721.32	2750.13	2811.02	2729.91	2724.52
1,978.85	Memory	2,026,344.80	2026660	2026760	2026776	2026676	2024852
Row15_LCP	Runtime	15,700.70	15614.61	15218.76	16777.64	14979.6	15912.9
Relation B	CPUsystem	32.19	31.56	31.78	33.64	32.16	31.8
82.01%	CPUuser	15,656.57	15573.93	15173.82	16731.33	14934.26	15869.49
6,774.05	Memory	6,936,623.20	6936912	6936572	6936520	6936652	6936460
Row15_SLCT	Runtime	3,149.36	3098.69	3116.66	3316.79	3115.38	3099.3
	CPUsystem	27.80	27.01	27.46	29.41	27.71	27.42
	CPUuser	3,071.76	3033.4	3035.37	3235.25	3035.49	3019.31
1,971.76	Memory	2,019,080.00	2018684	2018732	2018756	2020556	2018672
Row16_LCC	Runtime	1,582.64	1575.15	1567.24	1662.13	1543.58	1565.1
Relation A	CPUsystem	14.92	14.96	14.94	15.14	14.7	14.84

3.86	CPU	user	1,567.01	1559.75	1551.67	1646.67	1528.29	1548.66
1,881.92	Memory		1,927,086.40	1926324	1928004	1926324	1926356	1928424
Row16_LCP	Runtime		6,105.66	6009.17	6105.15	6397.95	6010.42	6005.6
Relation B	CPU	system	20.99	20.78	20.98	21.59	20.96	20.64
74.09%	CPU	user	6,086.68	5990.44	6085.59	6378.38	5991.62	5987.36
4,474.65	Memory		4,582,040.00	4582048	4581992	4582088	4582084	4581988
Row16_SLCT	Runtime		1,641.37	1616.76	1627.44	1729.16	1605.75	1627.76
	CPU	system	15.20	15.02	15.26	15.74	15.04	14.92
	CPU	user	1,620.74	1597.88	1600.57	1708.75	1587.88	1608.64
1,930.45	Memory		1,976,777.60	1975756	1977576	1977436	1975740	1977380
Row17_LCC	Runtime		1,603.16	1584.51	1575.25	1699.25	1571.96	1584.82
Relation A	CPU	system	16.14	15.97	15.61	16.66	16.19	16.27
4.15	CPU	user	1,579.02	1560.49	1556.87	1675.08	1546.08	1556.57
4,761.91	Memory		4,876,199.20	4875528	4875488	4877252	4877144	4875584
Row17_LCP	Runtime		6,647.79	6521.34	6628.95	6985.32	6520.51	6582.82
Relation B	CPU	system	22.07	21.54	22.33	22.57	21.95	21.96
75.9%	CPU	user	6,626.28	6500.91	6609.06	6964.13	6495.87	6561.43
5,602.45	Memory		5,736,904.00	5736892	5736912	5736988	5736896	5736832
Row17_SLCT	Runtime		1,670.34	1676.06	1632.99	1753.35	1648.11	1641.19
	CPU	system	15.33	15.18	15.42	15.87	14.99	15.18
	CPU	user	1,645.55	1651.02	1613.46	1727.41	1623.04	1612.8
1,930.08	Memory		1,976,406.40	1975680	1975684	1977368	1975840	1977460
Row18_LCC	Runtime		2,796.66	2770.61	2779.51	2873.31	2766.39	2793.48
Relation A	CPU	system	30.22	31.02	29.67	30.77	29.5	30.12
4.74	CPU	user	2,741.90	2713.32	2738.34	2815.37	2710.72	2731.75
2,286.60	Memory		2,341,475.20	2341728	2342112	2340076	2341856	2341604
Row18_LCP	Runtime		13,251.65	12965.72	13334.88	13764.9	13180.4	13012.35
Relation B	CPU	system	34.44	34.15	34.34	34.73	34.58	34.42
78.9%	CPU	user	13,213.65	12927.19	13300.24	13725.05	13143.06	12972.7
7,005.44	Memory		7,173,572.00	7173684	7173200	7173372	7173612	7173992
Row18_SLCT	Runtime		3,031.52	3019.22	3012.37	3066.65	3020.83	3038.51
	CPU	system	30.07	29.6	29.83	29.68	30.45	30.78
	CPU	user	2,976.01	2961.98	2968.9	3009.15	2963.41	2976.6
2,296.88	Memory		2,352,009.60	2352548	2352272	2352164	2350592	2352472
Row19_LCC	Runtime		1,800.08	1791.96	1808.69	1811.78	1793.3	1794.69
Relation A	CPU	system	16.78	16.1	17.11	16.89	16.92	16.9
5.17	CPU	user	1,782.77	1775.61	1791.24	1794.64	1775.44	1776.9
1,020.01	Memory		1,044,490.40	1045224	1043424	1045220	1045116	1043468
Row19_LCP	Runtime		9,298.23	9165.48	9192.63	9613.74	9316.55	9202.74
Relation B	CPU	system	20.26	20.12	20.11	20.74	19.85	20.49
80.66%	CPU	user	9,282.24	9149.27	9177.28	9597.62	9300.99	9186.06
2,476.78	Memory		2,536,220.80	2536184	2536148	2536276	2536188	2536308
Row19_SLCT	Runtime		1,885.33	1875.62	1888.96	1911.72	1875.03	1875.33
	CPU	system	17.16	16.41	17.39	17.07	17.07	17.86
	CPU	user	1,866.67	1856.04	1870.65	1894.26	1856.33	1856.05
1,030.72	Memory		1,055,453.60	1057004	1054964	1055060	1055124	1055116

Row20_LCC	Runtime	1,832.82	1806.91	1806.95	1931.2	1810.34	1808.71
Relation A	CPUsystem	17.39	17.33	17.57	17.8	17.1	17.13
5.24	CPUuser	1,811.80	1783.2	1786.78	1910.51	1789.68	1788.84
1,721.32	Memory	1,762,628.80	1763164	1761148	1762900	1762976	1762956
Row20_LCP	Runtime	9,605.73	9506.46	9567.39	10080.51	9434.13	9440.17
Relation B	CPUsystem	20.86	21.05	20.8	21	20.57	20.86
80.92%	CPUuser	9,588.40	9488.65	9550.36	10062.65	9417.18	9423.16
2,479.82	Memory	2,539,336.00	2539340	2539292	2539352	2539304	2539392
Row20_SLCT	Runtime	1,919.34	1897.64	1915.02	1992.16	1902.94	1888.92
	CPUsystem	17.08	17.34	17.04	17.38	16.84	16.8
	CPUuser	1,898.01	1873.18	1895.05	1970.35	1882.23	1869.23
1,031.41	Memory	1,056,165.60	1055112	1055020	1057036	1056988	1056672
Row21_LCC	Runtime	4,178.85	4166.37	4159.81	4284.67	4156.88	4126.53
Relation A	CPUsystem	35.10	35.61	35	35.57	34.84	34.49
5.01	CPUuser	3,669.47	3651.73	3652.54	3772.52	3649.33	3621.22
2,890.17	Memory	2,959,530.40	2959084	2959124	2959164	2961160	2959120
Row21_LCP	Runtime	20,927.79	21584.81	20576.08	21123.24	20333.28	21021.55
Relation B	CPUsystem	41.35	42.48	41.43	41.9	40.06	40.86
80.04%	CPUuser	20,431.56	21089.32	20077.62	20623.92	19839.57	20527.36
7,818.73	Memory	8,006,379.20	8006336	8006308	8006592	8006328	8006332
Row21_SLCT	Runtime	4,400.34	4380.07	4406.14	4472.88	4376.02	4366.59
	CPUsystem	35.17	35.05	35.66	35.11	35.31	34.73
	CPUuser	3,889.86	3862.04	3900.43	3956.81	3867.41	3862.61
2,028.95	Memory	2,077,647.20	2077968	2078064	2076128	2078188	2077888

Table6

Row2_LCC	Runtime	1.41	1.39	1.39	1.44	1.4	1.41
Relation A	CPUsystem	0.05	0.04	0.06	0.05	0.04	0.05
21.50	CPUuser	1.35	1.34	1.33	1.39	1.35	1.36
278.75	Memory	285,435.20	286960	285100	285056	285008	285052
Row2_LCP	Runtime	30.31	29.79	30.59	30.52	30.16	30.49
Relation B	CPUsystem	0.09	0.1	0.08	0.05	0.11	0.12
95.35%	CPUuser	30.23	29.71	30.52	30.48	30.06	30.38
433.19	Memory	443,583.20	443588	443572	443568	443628	443560
Row3_LCC	Runtime	1.34	1.34	1.34	1.34	1.34	1.34
Relation A	CPUsystem	0.06	0.07	0.08	0.04	0.05	0.04
9.03	CPUuser	1.28	1.26	1.26	1.29	1.29	1.29
270.96	Memory	277,461.60	278648	278584	276712	276680	276684
Row3_LCP	Runtime	12.10	12.11	12.09	12.09	12.12	12.11
Relation B	CPUsystem	0.05	0.05	0.06	0.05	0.05	0.06
88.93%	CPUuser	12.05	12.06	12.04	12.04	12.07	12.05
219.24	Memory	224,503.20	224484	224660	224456	224436	224480
Row4_LCC	Runtime	1.50	1.5	1.5	1.5	1.51	1.51
Relation A	CPUsystem	0.05	0.06	0.03	0.06	0.06	0.04
23.93	CPUuser	1.45	1.44	1.46	1.44	1.45	1.46
278.85	Memory	285,537.60	285140	285180	285172	285108	287088

Row4_LCP	Runtime	35.89	35.33	35.43	37.12	35.77	35.78
Relation B	CPUsystem	0.08	0.05	0.08	0.12	0.07	0.08
95.82%	CPUuser	35.82	35.29	35.37	37.02	35.71	35.72
433.99	Memory	444,404.00	444444	444404	444396	444400	444376
Row6_LCC	Runtime	2.73	2.7	2.78	2.73	2.71	2.72
Relation A	CPUsystem	0.01	0.02	0.02	0.01	0.01	0
6.55	CPUuser	2.71	2.68	2.76	2.72	2.69	2.72
30.70	Memory	31,440.80	31924	32288	30380	32172	30440
Row6_LCP	Runtime	17.87	17.81	17.81	17.88	17.88	17.96
Relation B	CPUsystem	0.02	0.05	0.03	0.02	0.01	0.01
84.73%	CPUuser	17.85	17.76	17.79	17.86	17.88	17.96
46.56	Memory	47,679.20	47592	47800	47672	47688	47644
Row7_LCC	Runtime	3.02	2.98	2.99	3.19	2.98	2.97
Relation A	CPUsystem	0.02	0.02	0.02	0.01	0.03	0.01
10.26	CPUuser	3.00	2.96	2.97	3.18	2.95	2.96
30.60	Memory	31,336.00	31224	31396	31480	31460	31120
Row7_LCP	Runtime	30.98	31.02	30.81	30.78	31.37	30.9
Relation B	CPUsystem	0.02	0.02	0.01	0.02	0.03	0.04
90.25%	CPUuser	30.96	31.02	30.81	30.78	31.35	30.86
27.09	Memory	27,744.00	27784	27692	27700	27760	27784
Row8_LCC	Runtime	3.00	3	2.99	3	2.99	3.01
Relation A	CPUsystem	0.01	0.02	0	0.01	0.02	0.02
10.81	CPUuser	2.98	2.98	2.98	2.99	2.96	2.99
30.48	Memory	31,214.40	30760	30624	31964	30456	32268
Row8_LCP	Runtime	32.43	32.18	32.62	32.39	32.73	32.21
Relation B	CPUsystem	0.02	0.02	0.02	0.02	0.02	0.02
90.75%	CPUuser	32.42	32.17	32.61	32.38	32.72	32.2
46.89	Memory	48,017.60	47960	48184	47916	48004	48024
Row10_LCC	Runtime	9.05	9.05	8.94	9.39	8.95	8.93
Relation A	CPUsystem	0.04	0.02	0.04	0.06	0.04	0.04
6.30	CPUuser	9.01	9.02	8.9	9.34	8.9	8.89
42.63	Memory	43,655.20	44924	43348	43320	43344	43340
Row10_LCP	Runtime	57.00	56.76	57.76	57	56.74	56.73
Relation B	CPUsystem	0.05	0.06	0.04	0.04	0.08	0.05
84.13%	CPUuser	56.97	56.72	57.74	56.98	56.7	56.71
66.02	Memory	67,601.60	67616	67624	67544	67608	67616
Row11_LCC	Runtime	9.86	9.81	9.84	10	9.85	9.82
Relation A	CPUsystem	0.05	0.05	0.04	0.04	0.04	0.06
10.32	CPUuser	9.82	9.76	9.8	9.97	9.81	9.76
41.93	Memory	42,934.40	42360	43928	42244	42220	43920
Row11_LCP	Runtime	101.78	104.42	100.99	101.35	100.72	101.41
Relation B	CPUsystem	0.08	0.08	0.07	0.09	0.1	0.04
90.31%	CPUuser	101.76	104.4	100.98	101.32	100.68	101.42
36.79	Memory	37,675.20	37720	37636	37728	37652	37640
Row12_LCC	Runtime	9.89	9.87	9.82	10.06	9.83	9.85
Relation A	CPUsystem	0.04	0.02	0.03	0.03	0.05	0.05

10.50	CPUuser	9.85	9.84	9.79	10.03	9.78	9.8
42.90	Memory	43,926.40	43284	44880	44796	43356	43316
Row12_LCP	Runtime	103.82	103.45	103.43	103.8	104.82	103.59
Relation B	CPUsystem	0.08	0.09	0.09	0.09	0.07	0.08
90.48%	CPUuser	103.79	103.42	103.4	103.76	104.8	103.57
66.41	Memory	68,008.80	68040	68040	68016	67956	67992
Row14_LCC	Runtime	44.05	43.71	43.43	43.66	43.37	46.09
Relation A	CPUsystem	0.35	0.31	0.35	0.36	0.36	0.37
3.00	CPUuser	43.71	43.41	43.09	43.31	43.02	45.74
506.80	Memory	518,962.40	519392	519456	517488	519272	519204
Row14_LCP	Runtime	132.14	133.81	131.9	131.34	131.05	132.59
Relation B	CPUsystem	0.46	0.41	0.46	0.42	0.46	0.53
66.67%	CPUuser	131.74	133.46	131.49	130.97	130.65	132.12
1,125.21	Memory	1,152,216.00	1152124	1152216	1152216	1152284	1152240
Row15_LCC	Runtime	46.57	45.51	47.63	45.96	45.9	47.85
Relation A	CPUsystem	0.31	0.28	0.35	0.32	0.31	0.31
4.99	CPUuser	46.27	45.24	47.3	45.65	45.6	47.56
505.76	Memory	517,903.20	517568	517520	517512	519348	517568
Row15_LCP	Runtime	232.49	235.99	227.75	236.66	228.9	233.15
Relation B	CPUsystem	0.62	0.53	0.55	0.63	0.63	0.74
79.96%	CPUuser	231.98	235.57	227.31	236.14	228.37	232.52
1,125.21	Memory	1,152,216.00	1152104	1152364	1152232	1152180	1152200
Row16_LCC	Runtime	46.60	48.33	45.46	45.86	45.62	47.71
Relation A	CPUsystem	0.34	0.38	0.3	0.3	0.33	0.39
5.15	CPUuser	46.27	47.96	45.18	45.57	45.3	47.34
506.10	Memory	518,251.20	517584	517504	517520	519236	519412
Row16_LCP	Runtime	240.03	239.86	250.79	237.96	235.88	235.67
Relation B	CPUsystem	0.59	0.63	0.55	0.58	0.7	0.5
80.58%	CPUuser	239.55	239.33	250.36	237.49	235.3	235.28
1,125.22	Memory	1,152,224.80	1152216	1152264	1152248	1152192	1152204
Row18_LCC	Runtime	1,470.76	1464.14	1486.63	1466.25	1466.17	1470.59
Relation A	CPUsystem	13.21	13.25	13.4	13.16	13.21	13.04
5.23	CPUuser	1,454.73	1450.03	1468.01	1451.13	1449.95	1454.55
1,149.64	Memory	1,177,232.80	1176460	1176536	1178372	1178272	1176524
Row18_LCP	Runtime	7,697.95	7632.57	7705.7	7876.76	7637.6	7637.12
Relation B	CPUsystem	15.29	15.11	15.52	15.62	15.32	14.86
80.88%	CPUuser	7,685.22	7619.6	7692.36	7864.14	7624.96	7625.06
2,738.11	Memory	2,803,821.60	2803772	2803996	2803784	2803792	2803764
Row19_LCC	Runtime	1,678.72	1638.95	1654.64	1793.36	1650.12	1656.51
Relation A	CPUsystem	13.50	13.24	13.06	14.08	13.43	13.69
8.81	CPUuser	1,658.45	1621.12	1632.23	1770.3	1632.06	1636.56
1,149.26	Memory	1,176,842.40	1178340	1176412	1176548	1176476	1176436
Row19_LCP	Runtime	14,783.74	14771.15	14875.68	14807.28	14720.96	14743.63
Relation B	CPUsystem	22.78	23.42	22.94	23.23	22.38	21.95
88.65%	CPUuser	14,766.25	14754.05	14856.56	14789.26	14704.37	14727.01
2,737.12	Memory	2,802,812.00	2802772	2802816	2802828	2802816	2802828

Row20_LCC	Runtime	1,667.04	1658.01	1662.66	1663.51	1675.05	1675.98
Relation A	CPUsystem	13.76	13.8	13.62	13.9	13.58	13.9
9.13	CPUuser	1,639.30	1636.07	1634.67	1635.46	1651.9	1638.39
1,149.28	Memory	1,176,864.80	1176448	1176484	1176548	1176436	1178408
Row20_LCP	Runtime	15,219.14	15257.72	15060.03	15394.9	15183.98	15199.08
Relation B	CPUsystem	23.15	22.91	23.43	22.96	22.97	23.46
89.05%	CPUuser	15,200.64	15241.17	15040.51	15376.53	15165.01	15179.98
2,737.92	Memory	2,803,632.80	2803736	2803620	2803692	2803504	2803612
Row22_LCC	Runtime	1,590.04	1573.63	1582.45	1667.17	1545.44	1581.49
Relation A	CPUsystem	15.54	15.58	15.78	15.96	15.31	15.07
4.56	CPUuser	1,570.57	1554.24	1564.28	1646.5	1526.2	1561.62
1,882.34	Memory	1,927,511.20	1926408	1928416	1928040	1926320	1928372
Row22_LCP	Runtime	7,250.00	7104.93	7496.64	7525.45	7044.31	7078.65
Relation B	CPUsystem	21.12	20.72	21.33	21.58	21.09	20.88
78.07%	CPUuser	7,231.51	7086.74	7478.3	7506.82	7025.5	7060.18
4,476.14	Memory	4,583,571.20	4583540	4583576	4583604	4583548	4583588
Row23_LCC	Runtime	1,708.17	1701.44	1720.76	1767.51	1666.68	1684.44
Relation A	CPUsystem	15.78	15.98	15.72	16.21	15.36	15.64
6.92	CPUuser	1,687.22	1680.06	1703.03	1745.48	1646.42	1661.12
1,881.83	Memory	1,926,989.60	1926368	1928048	1927920	1926296	1926316
Row23_LCP	Runtime	11,824.16	11675.87	11866.76	12334	11618.51	11625.67
Relation B	CPUsystem	30.09	30.31	30.17	29.95	30.42	29.59
85.55%	CPUuser	11,797.52	11646.52	11841.74	12307.98	11592.12	11599.25
4,474.63	Memory	4,582,016.00	4581976	4582036	4582016	4582064	4581988
Row24_LCC	Runtime	1,722.30	1718.35	1722.77	1780.21	1677.78	1712.39
Relation A	CPUsystem	15.92	15.86	15.95	16.34	15.55	15.92
7.51	CPUuser	1,699.70	1695.77	1704.36	1757.13	1654.4	1686.82
1,882.35	Memory	1,927,531.20	1926292	1928356	1928304	1926372	1928332
Row24_LCP	Runtime	12,933.70	12696.21	13098.66	13576.41	12600.44	12696.79
Relation B	CPUsystem	30.30	30.21	30.57	31.4	29.75	29.59
86.68%	CPUuser	12,907.62	12670.14	13073.5	13549.79	12574.36	12670.3
4,476.11	Memory	4,583,535.20	4583540	4583568	4583436	4583584	4583548
Row26_LCC	Runtime	1,804.09	1803.42	1815.74	1804.08	1792.91	1804.3
Relation A	CPUsystem	16.92	16.81	17.21	16.95	16.78	16.84
5.42	CPUuser	1,784.93	1782.72	1796.61	1785.26	1774.11	1785.93
1,020.04	Memory	1,044,524.00	1043380	1045196	1043472	1045280	1045292
Row26_LCP	Runtime	9,786.45	9593.39	9755.96	9977.31	10004.36	9601.25
Relation B	CPUsystem	20.66	20.22	21.09	21.39	20.42	20.18
81.55%	CPUuser	9,769.46	9576.97	9737.68	9960.15	9987.82	9584.66
2,477.72	Memory	2,537,185.60	2537184	2537156	2537228	2537180	2537180
Row27_LCC	Runtime	2,072.61	2060.37	2078.04	2093.83	2065.51	2065.29
Relation A	CPUsystem	17.11	16.78	17.16	17.3	17.2	17.12
9.48	CPUuser	2,052.99	2038.72	2059.6	2075.02	2045.14	2046.49
1,019.68	Memory	1,044,148.80	1043388	1045128	1043420	1045416	1043392
Row27_LCP	Runtime	19,646.80	19500.08	19888.95	19855.36	19463.49	19526.14
Relation B	CPUsystem	30.26	30.34	30.54	30.65	30.1	29.68

89.45%	CPUuser	19,625.60	19477.69	19868.51	19834.06	19442.48	19505.26
2,476.84	Memory	2,536,281.60	2536308	2536264	2536284	2536280	2536272
Row28_LCC	Runtime	2,107.45	2080.05	2101.04	2198.12	2081.23	2076.8
Relation A	CPUsystem	17.40	17.35	17.54	18.04	17.36	16.7
9.69	CPUuser	2,087.34	2056.9	2082.07	2178.42	2060.99	2058.34
1,018.93	Memory	1,043,387.20	1043364	1043400	1043356	1043420	1043396
Row28_LCP	Runtime	20,422.95	20182.72	20476.04	21335.86	19759.08	20361.07
Relation B	CPUsystem	30.35	30.53	30.61	30.13	30.24	30.26
89.68%	CPUuser	20,401.99	20161.62	20455.86	21316.01	19737.5	20338.98
2,477.69	Memory	2,537,151.20	2537200	2537296	2537000	2537112	2537148