

Out[326]:

[Show Code](#)

FAILED QUERIES

baseline

benchmark	query	mean_duration	std_dev
-----------	-------	---------------	---------

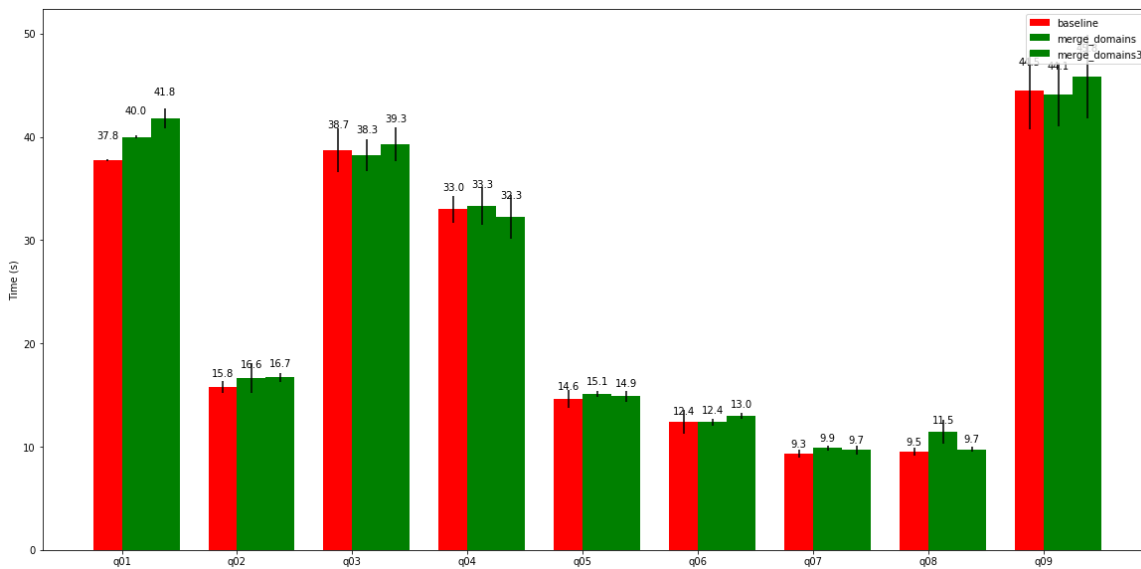
merge_domains

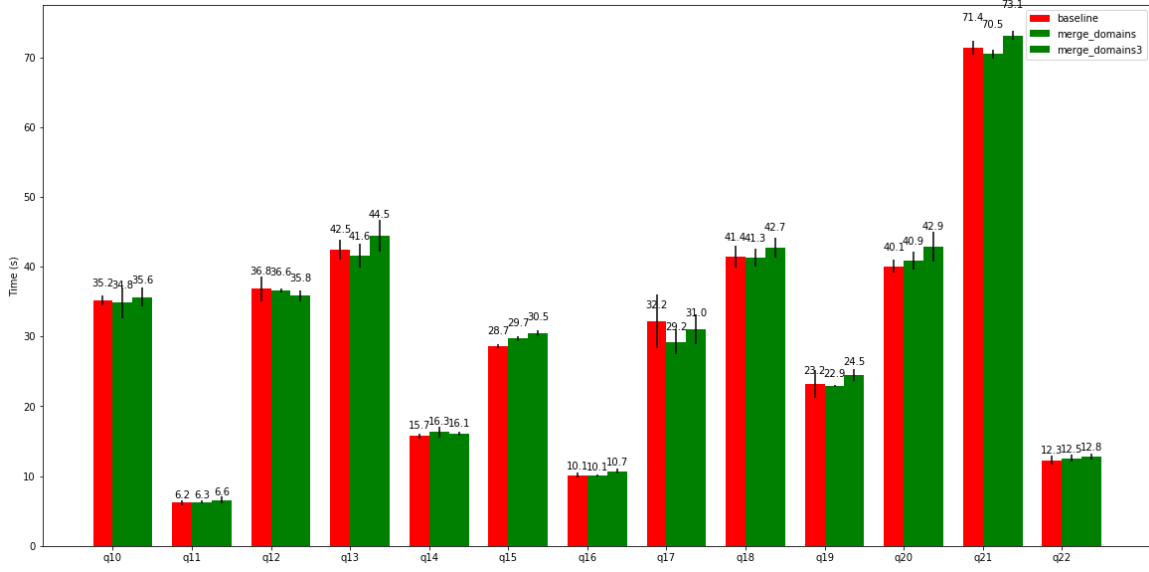
benchmark	query	mean_duration	std_dev
-----------	-------	---------------	---------

merge_domains3

	benchmark	query	mean_duration	std_dev
0	presto/tpcds	q22	68242.5	122107.761832

TPC-H Comparison (DURATION)

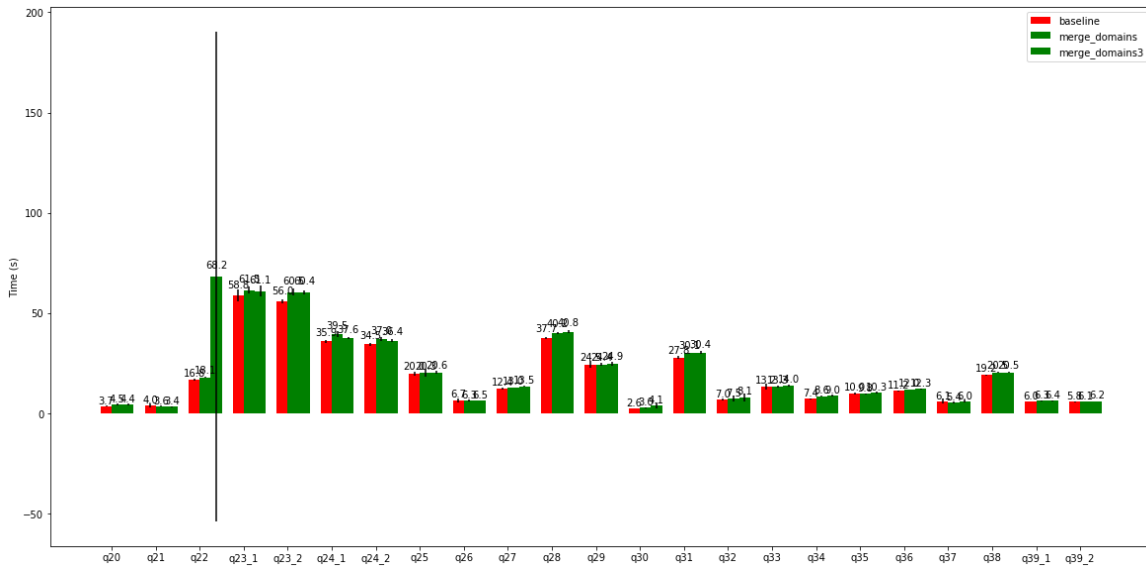
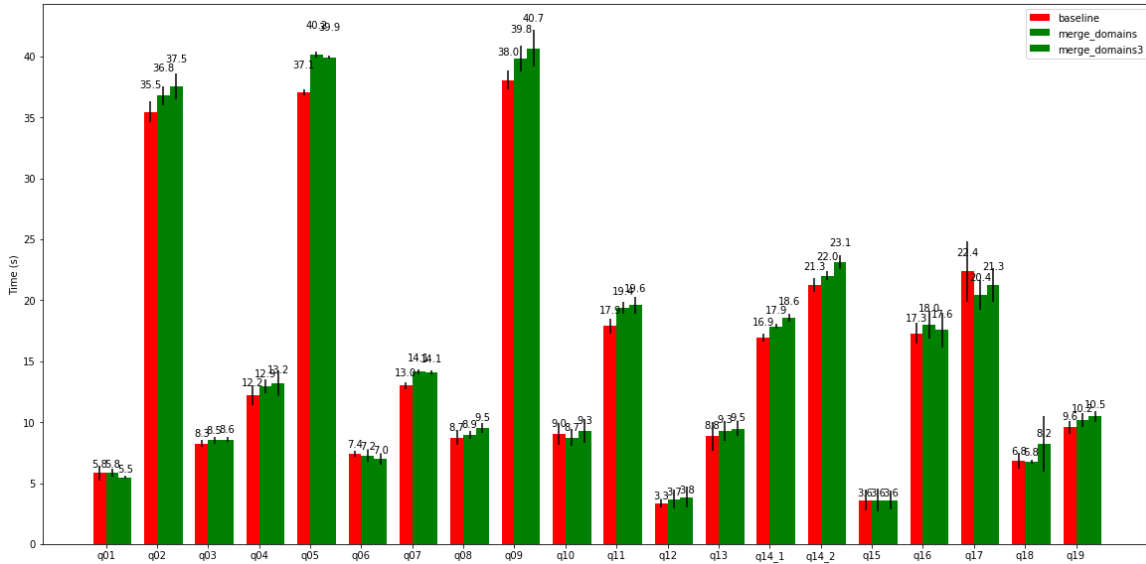


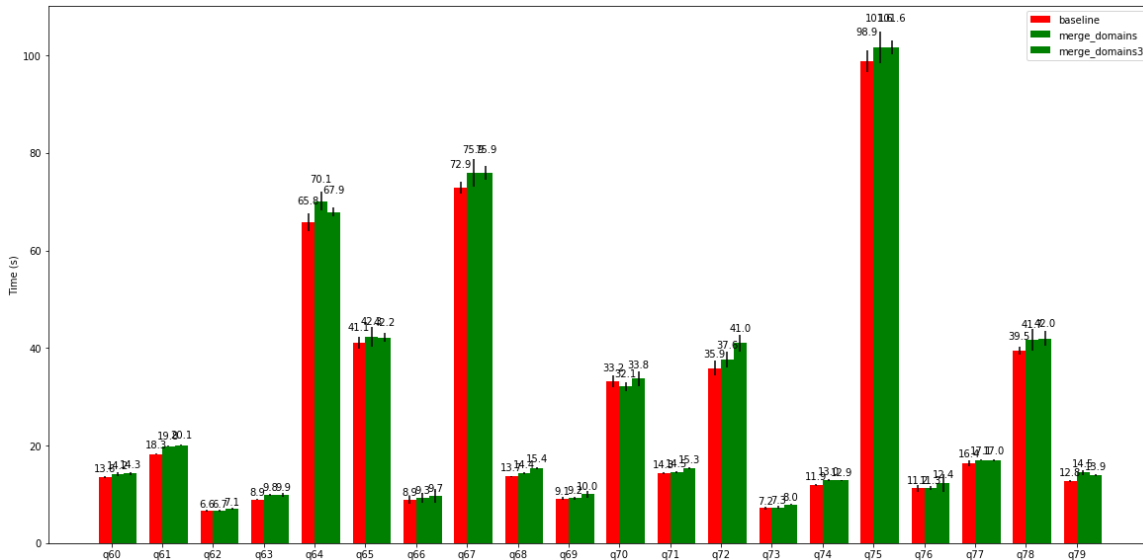
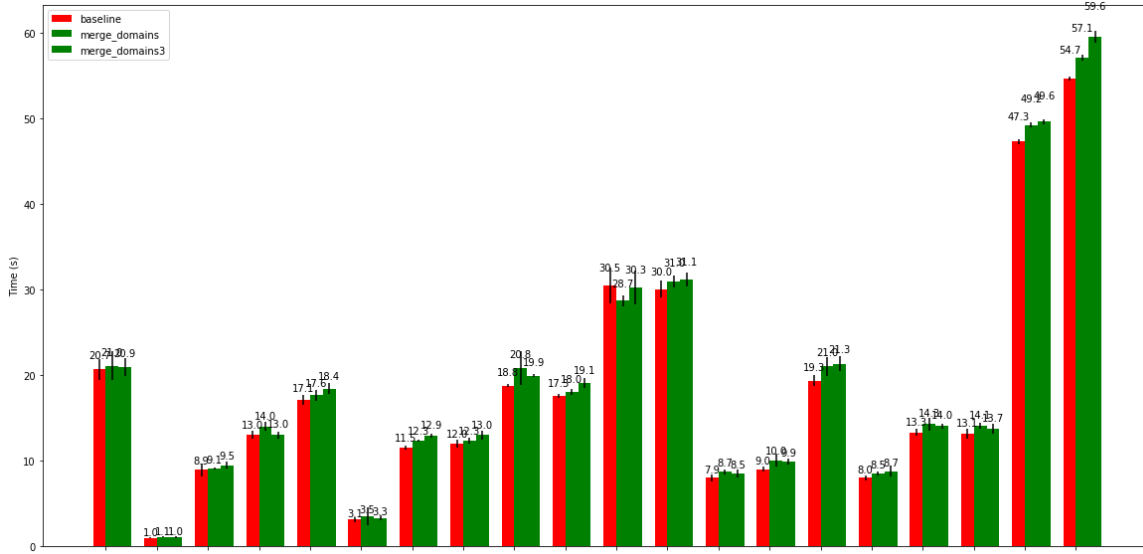


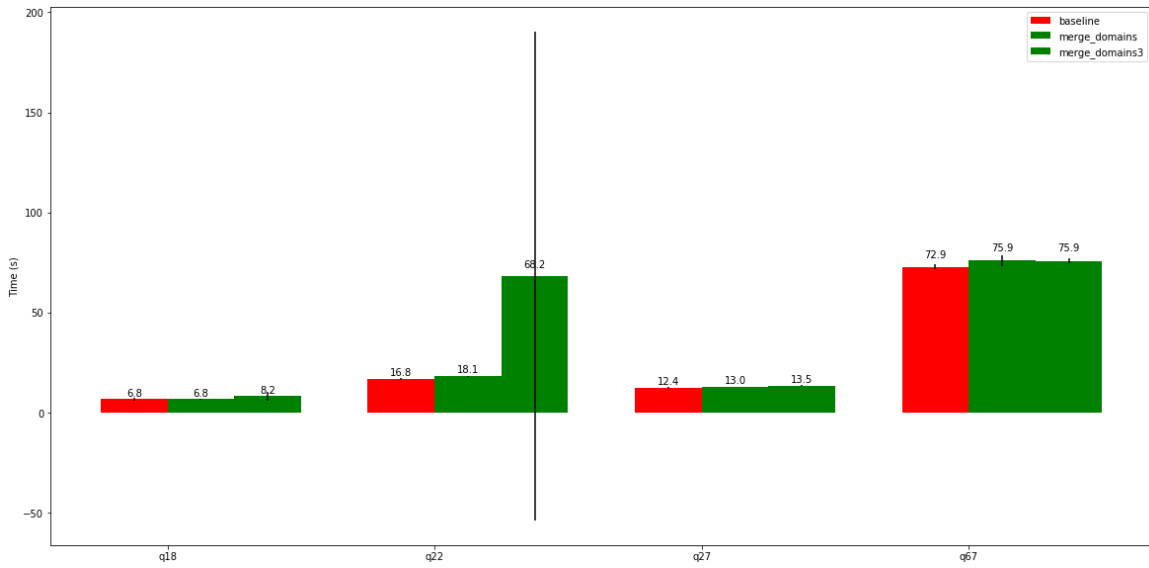
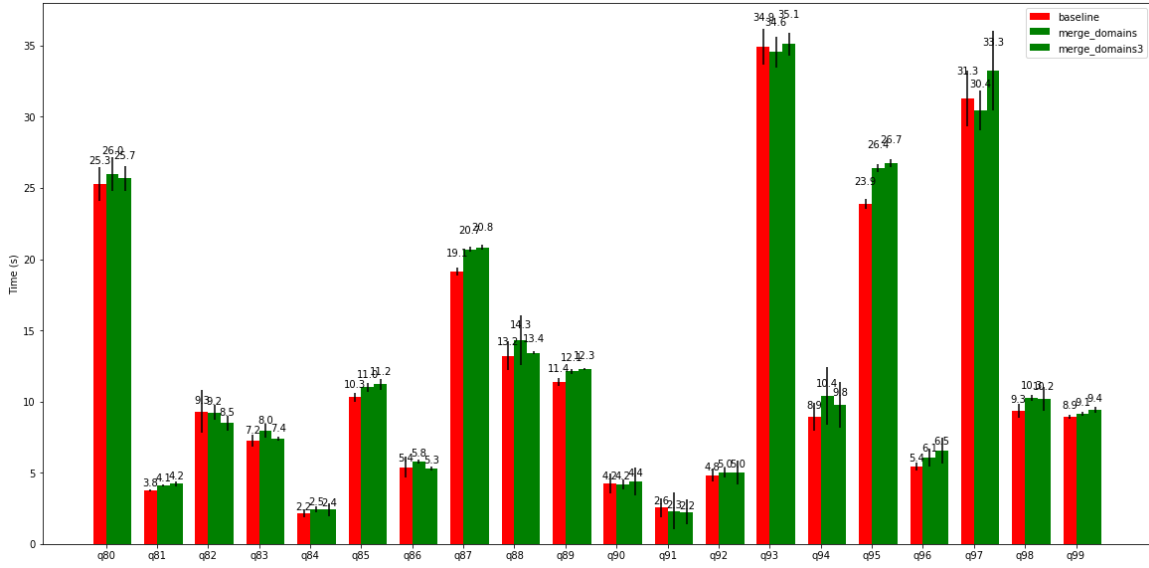
	query	baseline mean	baseline std.dev	merge_domains mean	merge_domains std.dev	merge_domain mean
0	presto/tpch: q01	37.764500	0.132094	40.002500	0.166165	41.802167
1	presto/tpch: q02	15.800500	0.573905	16.631833	1.455253	16.724333
2	presto/tpch: q03	38.734500	2.147002	38.261000	1.540224	39.295000
3	presto/tpch: q04	33.007333	1.284974	33.295833	1.849958	32.262333
4	presto/tpch: q05	14.613833	0.874357	15.110333	0.273940	14.904833
5	presto/tpch: q06	12.368000	1.154532	12.389833	0.343346	12.967167
6	presto/tpch: q07	9.313167	0.395904	9.859500	0.202701	9.679667
7	presto/tpch: q08	9.492167	0.392821	11.457167	1.168000	9.744500
8	presto/tpch: q09	44.547667	3.781881	44.146833	3.092100	45.842000
9	presto/tpch: q10	35.155333	0.676204	34.839167	2.215661	35.620500
10	presto/tpch: q11	6.204333	0.335490	6.281667	0.234751	6.593500
11	presto/tpch: q12	36.834000	1.814948	36.603167	0.319277	35.834833
12	presto/tpch: q13	42.473833	1.427424	41.593167	1.726934	44.454667
13	presto/tpch: q14	15.730667	0.298872	16.330500	0.775850	16.072667
14	presto/tpch: q15	28.650833	0.250594	29.742667	0.338414	30.509500
15	presto/tpch: q16	10.134667	0.352848	10.057333	0.173690	10.711167
16	presto/tpch: q17	32.166833	3.844441	29.238000	1.749023	31.030500
17	presto/tpch: q18	41.444500	1.587241	41.269500	1.266053	42.730833
18	presto/tpch: q19	23.195000	2.051098	22.861833	0.138305	24.476833
19	presto/tpch: q20	40.052167	0.923009	40.909500	1.264510	42.925000

	query	baseline mean	baseline std.dev	merge_domains mean	merge_domains std.dev	merge_domain mean
20	presto/tpch: q21	71.365833	1.046474	70.466167	0.596435	73.138167
21	presto/tpch: q22	12.293167	0.607710	12.532000	0.490196	12.808333

TPC-DS Comparison (DURATION)







	query	baseline mean	baseline std.dev	merge_domains mean	merge_domains std.dev	merge_dom mean
0	presto/tpcds: q01	5.845333	0.617571	5.849667	0.303800	5.482667
1	presto/tpcds: q02	35.468500	0.890748	36.782333	0.793432	37.523000
2	presto/tpcds: q03	8.250667	0.290553	8.508000	0.253412	8.565333
3	presto/tpcds: q04	12.194333	0.826837	12.933000	0.572814	13.186167
4	presto/tpcds: q05	37.059167	0.269187	40.154333	0.277181	39.942833
5	presto/tpcds: q06	7.400667	0.214982	7.215667	0.491854	6.963333
6	presto/tpcds: q07	13.000333	0.263601	14.130833	0.197307	14.070167
7	presto/tpcds: q08	8.742167	0.585792	8.938500	0.329172	9.522000
8	presto/tpcds: q09	38.043167	0.767370	39.822500	1.036124	40.660000
9	presto/tpcds: q10	9.048500	0.886303	8.746500	0.686929	9.259000
10	presto/tpcds: q11	17.899167	0.614554	19.375167	0.466249	19.586833
11	presto/tpcds: q12	3.334167	0.288147	3.687667	0.759948	3.830333
12	presto/tpcds: q13	8.839833	1.210832	9.296333	0.795022	9.473333
13	presto/tpcds: q14_1	16.947667	0.354005	17.866333	0.185352	18.578000
14	presto/tpcds: q14_2	21.269667	0.570287	22.021167	0.355014	23.132667
15	presto/tpcds: q15	3.602167	0.877518	3.613500	0.970775	3.603500
16	presto/tpcds: q16	17.263333	0.856752	18.022167	1.133926	17.561000
17	presto/tpcds: q17	22.358833	2.487746	20.435000	1.218301	21.280167
18	presto/tpcds: q18	6.822000	0.679212	6.756833	0.130515	8.224833
19	presto/tpcds: q19	9.584500	0.519957	10.157500	0.592269	10.463333

	query	baseline mean	baseline std.dev	merge_domains mean	merge_domains std.dev	merge_dom mean
20	presto/tpcds: q20	3.732667	0.340285	4.487833	0.419977	4.369667
21	presto/tpcds: q21	4.026000	1.149911	3.614333	0.224151	3.390500
22	presto/tpcds: q22	16.817000	0.432430	18.091167	0.338490	68.242500
23	presto/tpcds: q23_1	58.825333	2.811493	61.492500	1.697384	61.110000
24	presto/tpcds: q23_2	55.954500	0.837600	60.549500	1.641408	60.354500
25	presto/tpcds: q24_1	35.926833	0.664703	39.518000	1.591923	37.578000
26	presto/tpcds: q24_2	34.483833	0.787397	37.032667	0.991264	36.392167
27	presto/tpcds: q25	19.970000	0.916187	20.253333	1.830505	20.594167
28	presto/tpcds: q26	6.732000	0.961258	6.314333	0.449107	6.466833
29	presto/tpcds: q27	12.413000	0.457422	13.006500	0.131771	13.499000
30	presto/tpcds: q28	37.747167	0.414223	40.173167	0.637267	40.794500
31	presto/tpcds: q29	24.504667	1.737705	24.401833	0.833129	24.881833
32	presto/tpcds: q30	2.567667	0.123659	2.953500	0.201857	4.083000
33	presto/tpcds: q31	27.774500	0.739021	30.143333	0.311567	30.398500
34	presto/tpcds: q32	6.975667	0.654389	7.541167	1.555863	8.066167
35	presto/tpcds: q33	13.245000	1.450023	13.346167	0.416283	13.966500
36	presto/tpcds: q34	7.357667	0.271271	8.590167	0.332377	8.985500
37	presto/tpcds: q35	9.958833	0.609955	9.776167	0.423195	10.302167
38	presto/tpcds: q36	11.236833	0.368825	11.978833	0.146116	12.268167
39	presto/tpcds: q37	6.129500	1.212027	5.395833	0.473987	6.046000

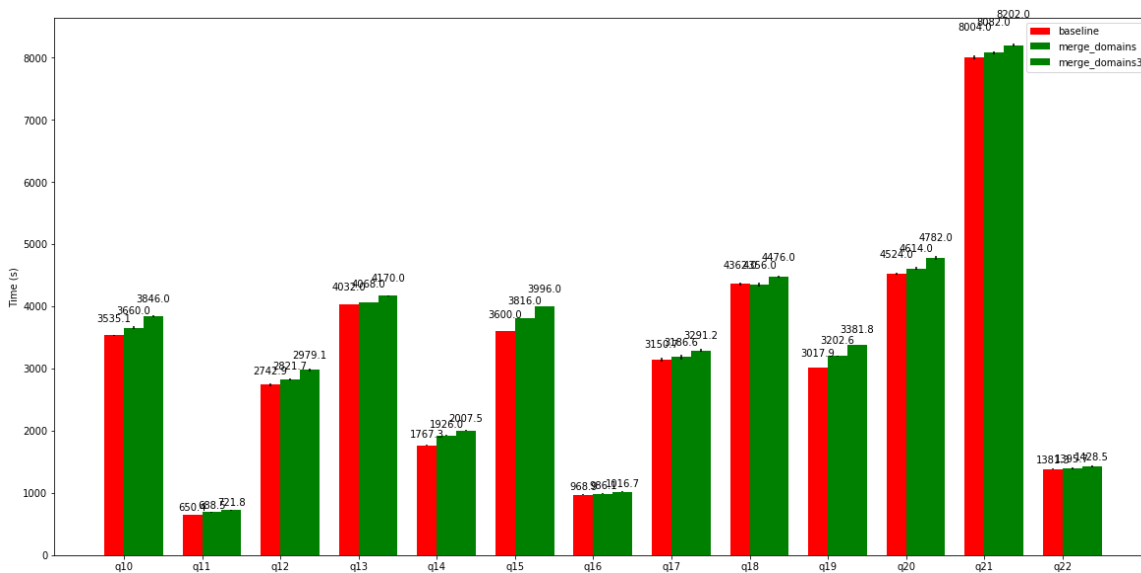
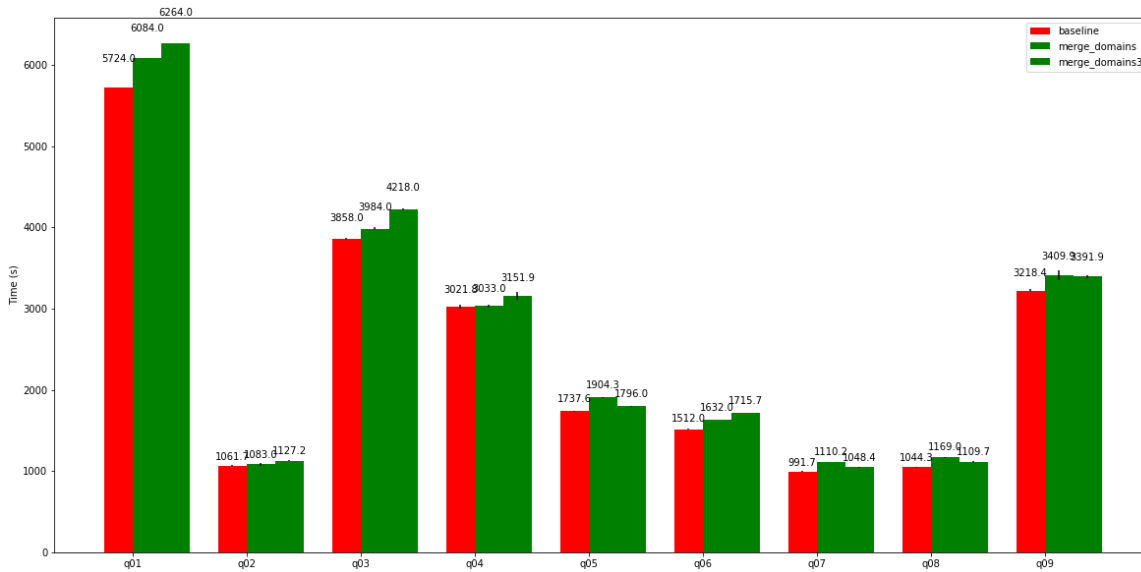
	query	baseline mean	baseline std.dev	merge_domains mean	merge_domains std.dev	merge_dom mean
40	presto/tpcds: q38	19.211833	0.284603	20.496333	0.191564	20.455833
41	presto/tpcds: q39_1	5.984000	0.110877	6.281667	0.185755	6.390500
42	presto/tpcds: q39_2	5.779833	0.158442	6.065000	0.152977	6.189000
43	presto/tpcds: q40	20.666833	1.229357	21.043333	1.688083	20.945500
44	presto/tpcds: q41	0.952833	0.098487	1.054167	0.072601	1.035167
45	presto/tpcds: q42	8.891500	0.781991	9.059000	0.077364	9.451333
46	presto/tpcds: q43	12.984667	0.442928	13.964500	0.546878	12.999500
47	presto/tpcds: q44	17.056000	0.566725	17.610667	0.675284	18.407500
48	presto/tpcds: q45	3.074167	0.310568	3.475167	1.012968	3.286500
49	presto/tpcds: q46	11.491833	0.243647	12.285833	0.142139	12.878167
50	presto/tpcds: q47	11.981000	0.500391	12.308000	0.353785	12.956167
51	presto/tpcds: q48	18.756833	0.173288	20.784833	1.982339	19.904833
52	presto/tpcds: q49	17.549000	0.255377	18.040667	0.359050	19.065833
53	presto/tpcds: q50	30.484000	2.090631	28.689833	0.618511	30.260167
54	presto/tpcds: q51	30.021833	0.992684	30.966833	0.716121	31.134833
55	presto/tpcds: q52	7.949167	0.366889	8.679667	0.311784	8.471333
56	presto/tpcds: q53	8.990500	0.255832	10.035000	0.757466	9.868833
57	presto/tpcds: q54	19.313333	0.656817	20.992167	1.077664	21.316667
58	presto/tpcds: q55	7.978333	0.302817	8.476000	0.188818	8.743167
59	presto/tpcds: q56	13.271500	0.403926	14.253333	0.788844	14.004167

	query	baseline mean	baseline std.dev	merge_domains mean	merge_domains std.dev	merge_dom mean
60	presto/tpcds: q57	13.120000	0.570125	14.058167	0.396174	13.684833
61	presto/tpcds: q58	47.276000	0.313807	49.230333	0.317010	49.608167
62	presto/tpcds: q59	54.697333	0.229846	57.140833	0.328999	59.561833
63	presto/tpcds: q60	13.560833	0.274453	14.203000	0.369705	14.259000
64	presto/tpcds: q61	18.273167	0.169061	19.848500	0.123143	20.105667
65	presto/tpcds: q62	6.614500	0.238192	6.675167	0.246290	7.068667
66	presto/tpcds: q63	8.921667	0.095318	9.849000	0.211899	9.940667
67	presto/tpcds: q64	65.792000	1.783256	70.145000	1.996754	67.931833
68	presto/tpcds: q65	41.132000	1.260238	42.328500	2.029892	42.195667
69	presto/tpcds: q66	8.916167	0.811415	9.265167	1.061165	9.688500
70	presto/tpcds: q67	72.930000	1.251778	75.936167	2.922925	75.883000
71	presto/tpcds: q68	13.686500	0.115448	14.392333	0.227817	15.405000
72	presto/tpcds: q69	9.093500	0.301428	9.242167	0.340017	10.038000
73	presto/tpcds: q70	33.224500	1.193427	32.139000	0.927103	33.752833
74	presto/tpcds: q71	14.340333	0.227183	14.472167	0.225195	15.293500
75	presto/tpcds: q72	35.857833	1.507160	37.596833	1.596378	41.048833
76	presto/tpcds: q73	7.215833	0.288919	7.347333	0.308385	7.953000
77	presto/tpcds: q74	11.942500	0.165948	12.954333	0.137635	12.862333
78	presto/tpcds: q75	98.864000	2.160244	101.629167	3.264563	101.637500
79	presto/tpcds: q76	11.228667	0.682203	11.267167	0.381317	12.367000

	query	baseline mean	baseline std.dev	merge_domains mean	merge_domains std.dev	merge_dom mean
80	presto/tpcds: q77	16.393167	0.641726	17.066500	0.128777	17.003000
81	presto/tpcds: q78	39.474667	0.888347	41.739833	2.270875	41.977833
82	presto/tpcds: q79	12.763333	0.152239	14.475333	0.436767	13.910500
83	presto/tpcds: q80	25.303500	1.179301	25.983667	1.168117	25.668500
84	presto/tpcds: q81	3.753500	0.087758	4.101500	0.080847	4.217500
85	presto/tpcds: q82	9.300333	1.518220	9.232000	0.545851	8.496000
86	presto/tpcds: q83	7.246500	0.393826	7.957333	0.479984	7.389167
87	presto/tpcds: q84	2.182500	0.278923	2.456500	0.201863	2.403000
88	presto/tpcds: q85	10.306333	0.298469	11.010500	0.326126	11.206667
89	presto/tpcds: q86	5.395833	0.762477	5.764667	0.142398	5.294500
90	presto/tpcds: q87	19.101167	0.282560	20.681500	0.185774	20.835500
91	presto/tpcds: q88	13.222500	1.016629	14.309000	1.714505	13.414333
92	presto/tpcds: q89	11.383333	0.274754	12.118333	0.185480	12.279333
93	presto/tpcds: q90	4.243167	0.695989	4.181833	0.326366	4.379500
94	presto/tpcds: q91	2.559000	0.661715	2.312833	1.275851	2.248833
95	presto/tpcds: q92	4.839000	0.428809	5.012333	0.357974	5.011833
96	presto/tpcds: q93	34.901667	1.271070	34.550667	1.086300	35.096000
97	presto/tpcds: q94	8.916500	0.966335	10.396500	2.001472	9.780833
98	presto/tpcds: q95	23.887833	0.336004	26.402333	0.308941	26.729167
99	presto/tpcds: q96	5.434333	0.289325	6.087500	0.640817	6.547167

	query	baseline mean	baseline std.dev	merge_domains mean	merge_domains std.dev	merge_dom mean
100	presto/tpcds: q97	31.314500	1.960310	30.443667	1.417712	33.253500
101	presto/tpcds: q98	9.342167	0.480033	10.253333	0.240351	10.198833
102	presto/tpcds: q99	8.933833	0.132276	9.137333	0.171831	9.410667

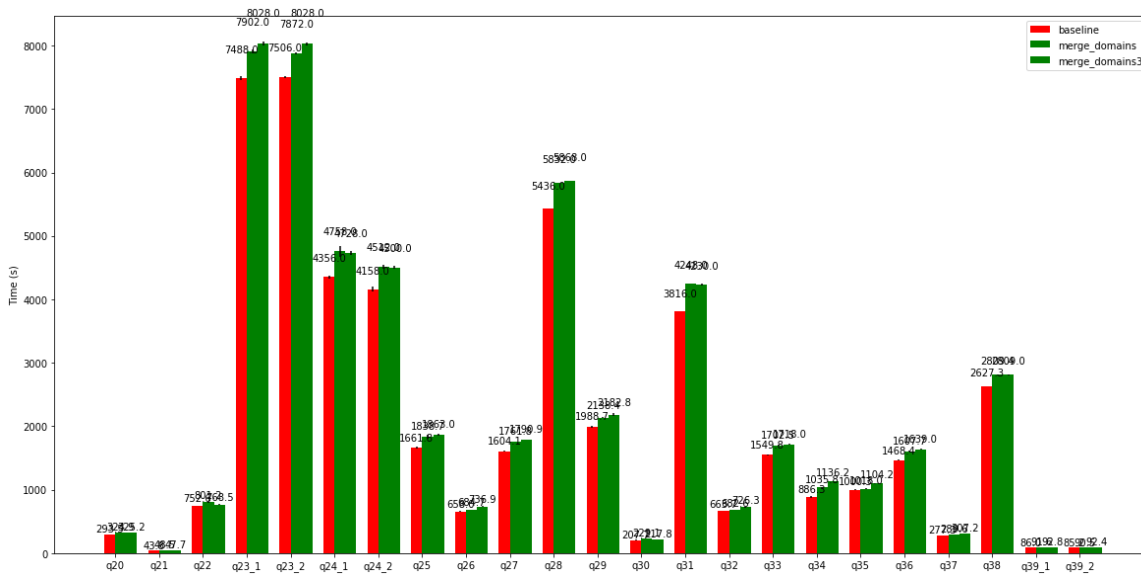
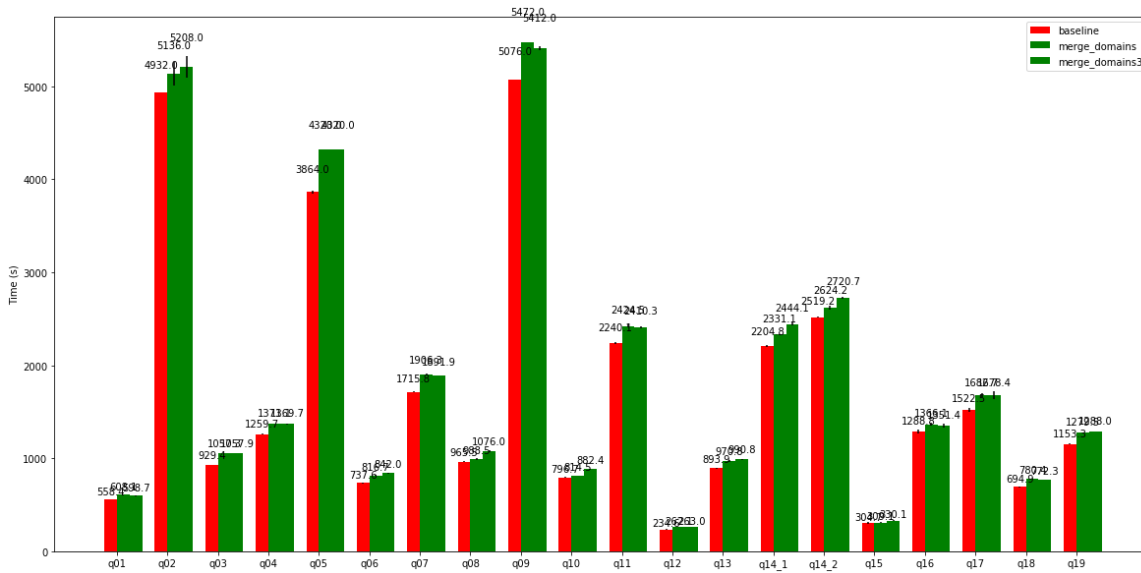
TPC-H Comparison (CPU)

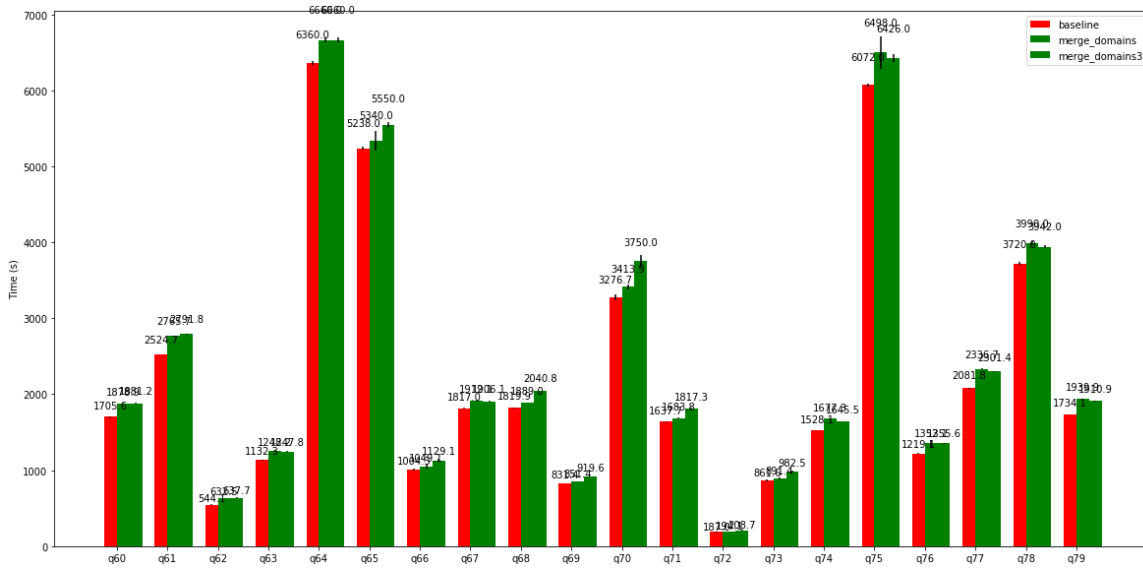
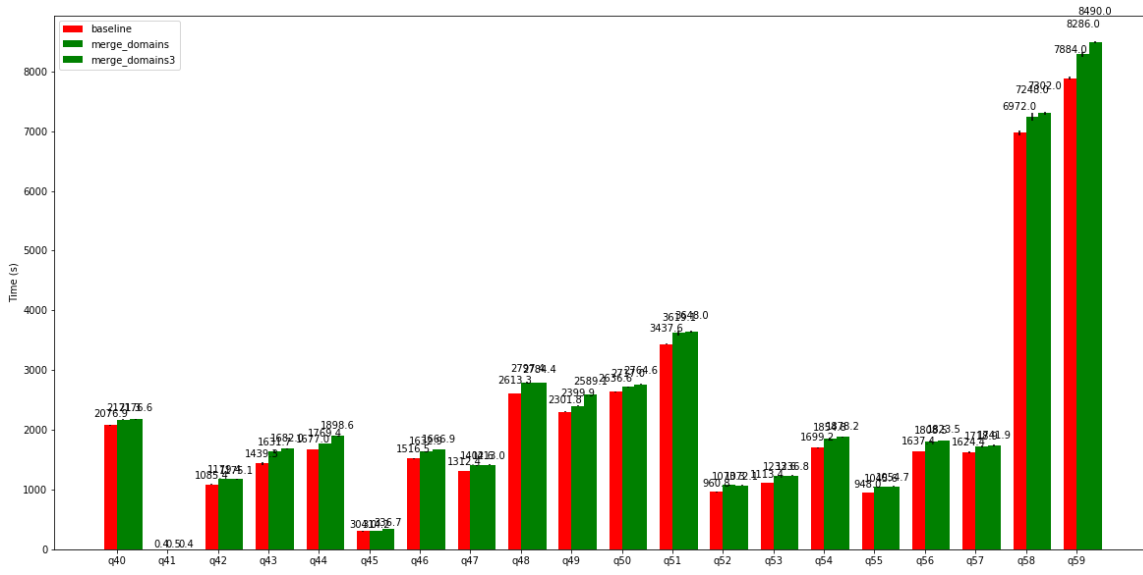


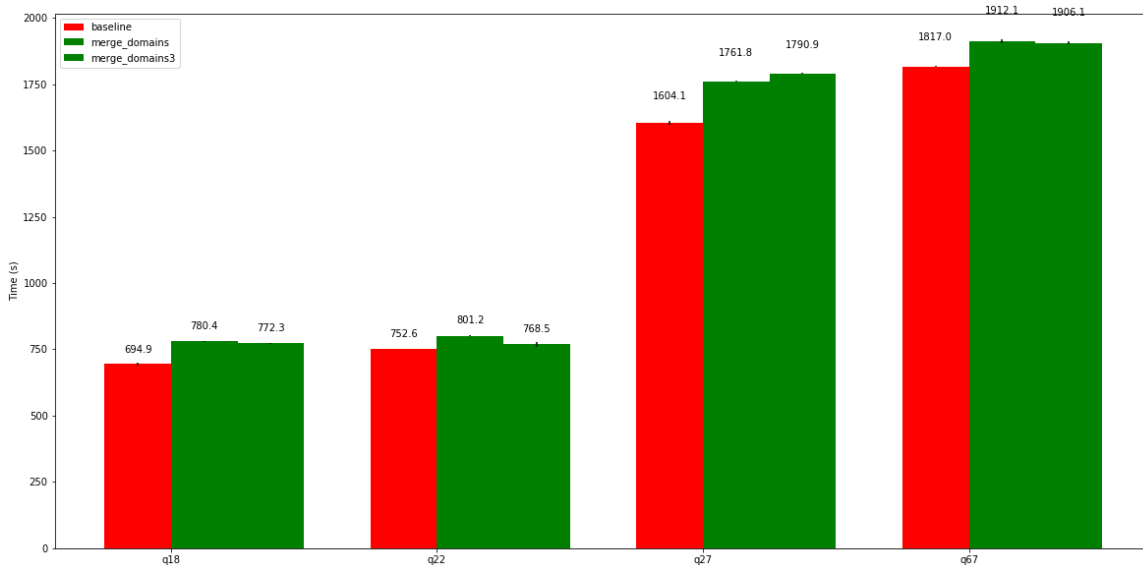
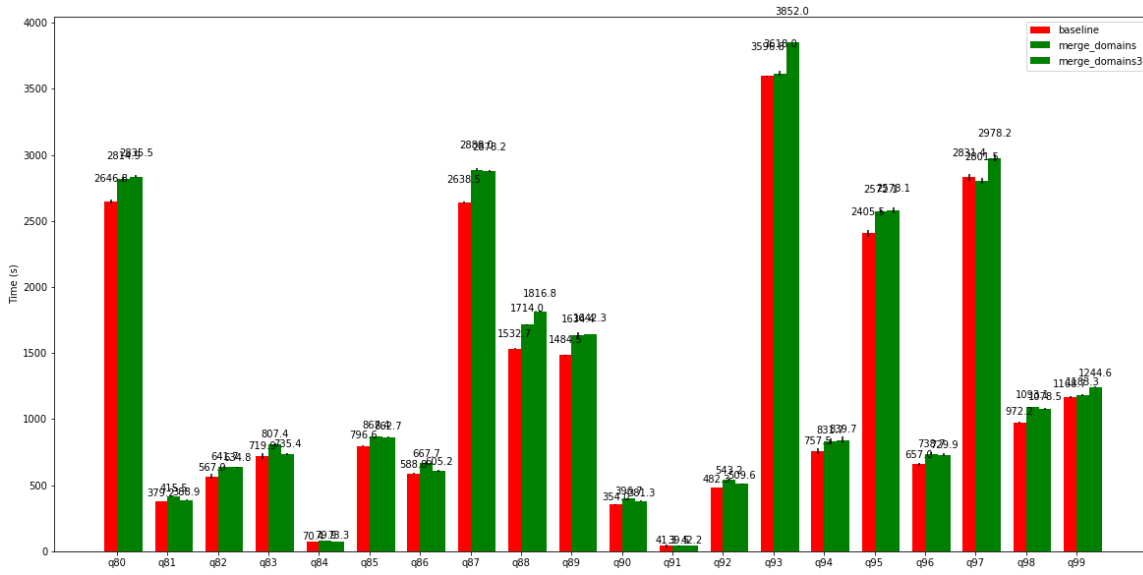
	query	baseline mean	baseline std.dev	merge_domains mean	merge_domains std.dev	merge_domain mean
0	presto/tpch: q01	5724.0	0.000000	6084.0	0.000000	6264.0
1	presto/tpch: q02	1061.7	10.791663	1083.0	17.819091	1127.2
2	presto/tpch: q03	3858.0	14.696938	3984.0	18.590320	4218.0
3	presto/tpch: q04	3021.8	18.766353	3033.0	17.911784	3151.9
4	presto/tpch: q05	1737.6	5.419963	1904.3	9.055164	1796.0
5	presto/tpch: q06	1512.0	7.655586	1632.0	4.087053	1715.7
6	presto/tpch: q07	991.7	5.054503	1110.2	3.593327	1048.4
7	presto/tpch: q08	1044.3	3.214343	1169.0	5.624233	1109.7
8	presto/tpch: q09	3218.4	20.126401	3409.9	63.028470	3391.9
9	presto/tpch: q10	3535.1	11.481289	3660.0	29.393877	3846.0
10	presto/tpch: q11	650.4	3.961818	688.5	1.122497	721.8
11	presto/tpch: q12	2742.9	24.732084	2821.7	15.739759	2979.1
12	presto/tpch: q13	4032.0	0.000000	4068.0	0.000000	4170.0
13	presto/tpch: q14	1767.3	9.805917	1926.0	5.105291	2007.5
14	presto/tpch: q15	3600.0	0.000000	3816.0	0.000000	3996.0
15	presto/tpch: q16	968.9	6.331824	986.1	4.355686	1016.7
16	presto/tpch: q17	3150.7	31.122404	3186.6	41.769654	3291.2
17	presto/tpch: q18	4362.0	27.099815	4356.0	32.199379	4476.0
18	presto/tpch: q19	3017.9	1.986957	3202.6	8.055805	3381.8
19	presto/tpch: q20	4524.0	18.590320	4614.0	27.099815	4782.0

	query	baseline mean	baseline std.dev	merge_domains mean	merge_domains std.dev	merge_domain mean
20	presto/tpch: q21	8004.0	29.393877	8082.0	19.718012	8202.0
21	presto/tpch: q22	1381.3	8.813399	1395.7	12.328017	1428.5

TPC-DS Comparison (CPU)







	query	baseline mean	baseline std.dev	merge_domains mean	merge_domains std.dev	merge_d mean
0	presto/tpcds: q01	558.400000	4.185690	608.100000	3.808937	598.7000
1	presto/tpcds: q02	4932.000000	0.000000	5136.000000	130.132240	5208.000
2	presto/tpcds: q03	929.400000	1.654086	1057.300000	1.628496	1057.900
3	presto/tpcds: q04	1259.700000	4.485978	1371.100000	2.640455	1369.700
4	presto/tpcds: q05	3864.000000	18.590320	4320.000000	0.000000	4320.000
5	presto/tpcds: q06	737.600000	4.749737	816.700000	8.689994	842.0000
6	presto/tpcds: q07	1715.800000	1.846077	1906.300000	2.824889	1891.900
7	presto/tpcds: q08	965.500000	8.107034	988.500000	11.300088	1076.000
8	presto/tpcds: q09	5076.000000	0.000000	5472.000000	0.000000	5412.000
9	presto/tpcds: q10	796.700000	4.415880	814.500000	2.833373	882.4000
10	presto/tpcds: q11	2240.100000	11.325546	2424.500000	13.240393	2410.300
11	presto/tpcds: q12	234.600000	3.106123	262.100000	1.389964	263.0000
12	presto/tpcds: q13	893.900000	2.500400	970.800000	6.059703	990.8000
13	presto/tpcds: q14_1	2204.800000	8.592089	2331.100000	7.826877	2444.100
14	presto/tpcds: q14_2	2519.200000	9.300323	2624.200000	21.778154	2720.700
15	presto/tpcds: q15	304.700000	6.410928	309.100000	1.714643	330.1000
16	presto/tpcds: q16	1288.800000	22.635194	1366.100000	17.985661	1351.400
17	presto/tpcds: q17	1522.500000	18.850889	1682.700000	20.669107	1678.400
18	presto/tpcds: q18	694.900000	4.895304	780.400000	1.050714	772.3000
19	presto/tpcds: q19	1153.300000	5.318270	1279.500000	2.268920	1288.000

	query	baseline mean	baseline std.dev	merge_domains mean	merge_domains std.dev	merge_d mean
20	presto/tpcds: q20	293.500000	3.360357	324.900000	2.908608	325.2000
21	presto/tpcds: q21	43.806667	0.440485	48.535000	0.335306	47.69000
22	presto/tpcds: q22	752.600000	0.726636	801.200000	3.003997	768.4800
23	presto/tpcds: q23_1	7488.000000	32.199379	7902.000000	30.119761	8028.000
24	presto/tpcds: q23_2	7506.000000	19.718012	7872.000000	18.590320	8028.000
25	presto/tpcds: q24_1	4356.000000	22.768399	4758.000000	89.397987	4728.000
26	presto/tpcds: q24_2	4158.000000	37.757119	4512.000000	37.180640	4500.000
27	presto/tpcds: q25	1661.800000	20.235810	1838.700000	31.169408	1863.000
28	presto/tpcds: q26	658.000000	2.856571	684.700000	3.317228	736.9000
29	presto/tpcds: q27	1604.100000	6.032910	1761.800000	2.389979	1790.900
30	presto/tpcds: q28	5436.000000	0.000000	5832.000000	0.000000	5868.000
31	presto/tpcds: q29	1988.700000	14.303426	2138.400000	6.235383	2182.800
32	presto/tpcds: q30	207.700000	2.092845	229.100000	3.338862	217.8000
33	presto/tpcds: q31	3816.000000	0.000000	4248.000000	0.000000	4230.000
34	presto/tpcds: q32	663.700000	2.022869	682.600000	4.081176	726.3000
35	presto/tpcds: q33	1549.800000	5.119375	1702.500000	9.246621	1718.000
36	presto/tpcds: q34	886.300000	9.429104	1035.800000	6.266099	1136.200
37	presto/tpcds: q35	1000.300000	4.953786	1018.000000	4.913654	1104.200
38	presto/tpcds: q36	1468.400000	3.613309	1607.700000	3.574913	1639.000
39	presto/tpcds: q37	277.300000	1.489966	289.600000	1.725109	307.2000

	query	baseline mean	baseline std.dev	merge_domains mean	merge_domains std.dev	merge_d mean
40	presto/tpcds: q38	2627.300000	4.997199	2809.400000	5.455273	2809.000000
41	presto/tpcds: q39_1	86.000000	0.726636	91.600000	1.350555	92.800000
42	presto/tpcds: q39_2	85.200000	0.379473	90.500000	0.701427	92.400000
43	presto/tpcds: q40	2076.900000	6.869934	2171.300000	8.788857	2176.600000
44	presto/tpcds: q41	0.375167	0.016018	0.479000	0.018417	0.445000
45	presto/tpcds: q42	1085.400000	5.602856	1179.400000	2.647263	1175.100000
46	presto/tpcds: q43	1439.300000	27.225503	1631.700000	27.379335	1682.000000
47	presto/tpcds: q44	1677.000000	2.889983	1769.400000	2.339231	1898.600000
48	presto/tpcds: q45	304.000000	4.779958	314.200000	1.995996	336.700000
49	presto/tpcds: q46	1516.500000	4.169892	1632.900000	2.171635	1666.900000
50	presto/tpcds: q47	1312.400000	6.091305	1402.600000	4.219953	1413.000000
51	presto/tpcds: q48	2613.300000	3.236665	2797.400000	4.657897	2784.400000
52	presto/tpcds: q49	2301.800000	5.212293	2399.900000	3.914588	2589.100000
53	presto/tpcds: q50	2636.600000	12.543684	2717.000000	10.850991	2764.600000
54	presto/tpcds: q51	3437.600000	13.858138	3619.100000	35.920746	3648.000000
55	presto/tpcds: q52	960.800000	4.185690	1073.300000	2.382436	1072.100000
56	presto/tpcds: q53	1113.400000	4.869497	1233.600000	2.007984	1236.800000
57	presto/tpcds: q54	1699.200000	7.859771	1854.800000	6.837543	1878.200000
58	presto/tpcds: q55	948.000000	2.517141	1045.600000	3.279024	1054.700000
59	presto/tpcds: q56	1637.400000	5.312626	1808.500000	4.333590	1823.500000

	query	baseline mean	baseline std.dev	merge_domains mean	merge_domains std.dev	merge_d mean
60	presto/tpcds: q57	1624.400000	10.087616	1718.900000	12.987840	1741.900000
61	presto/tpcds: q58	6972.000000	43.598165	7248.000000	67.028352	7302.000000
62	presto/tpcds: q59	7884.000000	22.768399	8286.000000	42.085627	8490.000000
63	presto/tpcds: q60	1705.600000	4.719322	1878.900000	6.591813	1881.200000
64	presto/tpcds: q61	2524.700000	1.913113	2765.700000	2.392488	2791.800000
65	presto/tpcds: q62	544.100000	6.354526	632.500000	3.507136	637.700000
66	presto/tpcds: q63	1132.300000	2.529031	1248.200000	2.619924	1247.800000
67	presto/tpcds: q64	6360.000000	29.393877	6660.000000	32.199379	6660.000000
68	presto/tpcds: q65	5238.000000	19.718012	5340.000000	128.124939	5550.000000
69	presto/tpcds: q66	1004.300000	11.531349	1049.100000	26.133427	1129.100000
70	presto/tpcds: q67	1817.000000	3.051557	1912.100000	7.052659	1906.100000
71	presto/tpcds: q68	1819.900000	3.069202	1889.000000	0.819756	2040.800000
72	presto/tpcds: q69	831.400000	1.725109	851.400000	3.219938	919.600000
73	presto/tpcds: q70	3276.700000	43.062141	3413.900000	27.425754	3750.000000
74	presto/tpcds: q71	1637.700000	6.080461	1683.800000	5.775812	1817.300000
75	presto/tpcds: q72	187.000000	2.805708	194.100000	2.509980	208.700000
76	presto/tpcds: q73	861.600000	13.729385	891.400000	10.292522	982.500000
77	presto/tpcds: q74	1528.100000	3.295451	1677.300000	5.016373	1645.500000
78	presto/tpcds: q75	6072.000000	18.590320	6498.000000	212.064141	6426.000000
79	presto/tpcds: q76	1219.100000	7.478770	1352.100000	45.931558	1355.600000

	query	baseline mean	baseline std.dev	merge_domains mean	merge_domains std.dev	merge_d mean
80	presto/tpcds: q77	2081.800000	7.206664	2336.700000	3.654586	2301.400
81	presto/tpcds: q78	3720.000000	18.590320	3990.000000	27.099815	3942.000
82	presto/tpcds: q79	1734.100000	1.100909	1939.900000	2.500400	1910.900
83	presto/tpcds: q80	2646.800000	12.595237	2814.900000	16.254353	2835.500
84	presto/tpcds: q81	379.200000	2.212691	415.500000	2.981946	388.9000
85	presto/tpcds: q82	567.000000	20.272543	641.700000	5.268396	634.8000
86	presto/tpcds: q83	719.900000	23.099351	807.400000	8.162353	735.4000
87	presto/tpcds: q84	70.400000	0.309839	79.900000	0.451664	73.30000
88	presto/tpcds: q85	796.600000	2.779928	867.400000	2.389979	862.7000
89	presto/tpcds: q86	588.800000	3.711603	667.700000	4.850979	605.2000
90	presto/tpcds: q87	2638.500000	9.798571	2888.000000	9.929350	2878.200
91	presto/tpcds: q88	1532.700000	4.135215	1714.000000	1.922498	1816.800
92	presto/tpcds: q89	1484.500000	2.382436	1634.400000	26.128605	1642.300
93	presto/tpcds: q90	354.000000	3.264353	396.700000	2.875413	381.3000
94	presto/tpcds: q91	41.348333	9.754688	39.541667	0.766901	42.21166
95	presto/tpcds: q92	482.300000	2.321207	543.200000	2.266274	509.6000
96	presto/tpcds: q93	3596.800000	4.270831	3618.000000	19.718012	3852.000
97	presto/tpcds: q94	757.500000	21.975896	831.700000	21.604722	839.7000
98	presto/tpcds: q95	2405.500000	26.428394	2572.100000	15.578832	2578.100
99	presto/tpcds: q96	657.000000	7.617874	738.700000	7.612358	729.9000

	query	baseline mean	baseline std.dev	merge_domains mean	merge_domains std.dev	merge_d mean
100	presto/tpcds: q97	2831.400000	27.224401	2801.500000	23.814533	2978.200
101	presto/tpcds: q98	972.200000	8.336906	1093.100000	2.382436	1078.500
102	presto/tpcds: q99	1168.700000	5.797586	1183.300000	6.824368	1244.600
