

Overall Metric Sums

	label	TPCH wall time	TPC-DS wall time	TPCH CPU time	TPC-DS CPU time	TPCH peak memory	TPC-DS peak memory
0	basepart	509.244667	879.648167	52809.000000	94021.576833	1.148 TiB	0.922 TiB
1	rle_part	511.447833	889.255333	52077.400000	91099.115833	1.144 TiB	938.332 GiB

FAILED QUERIES

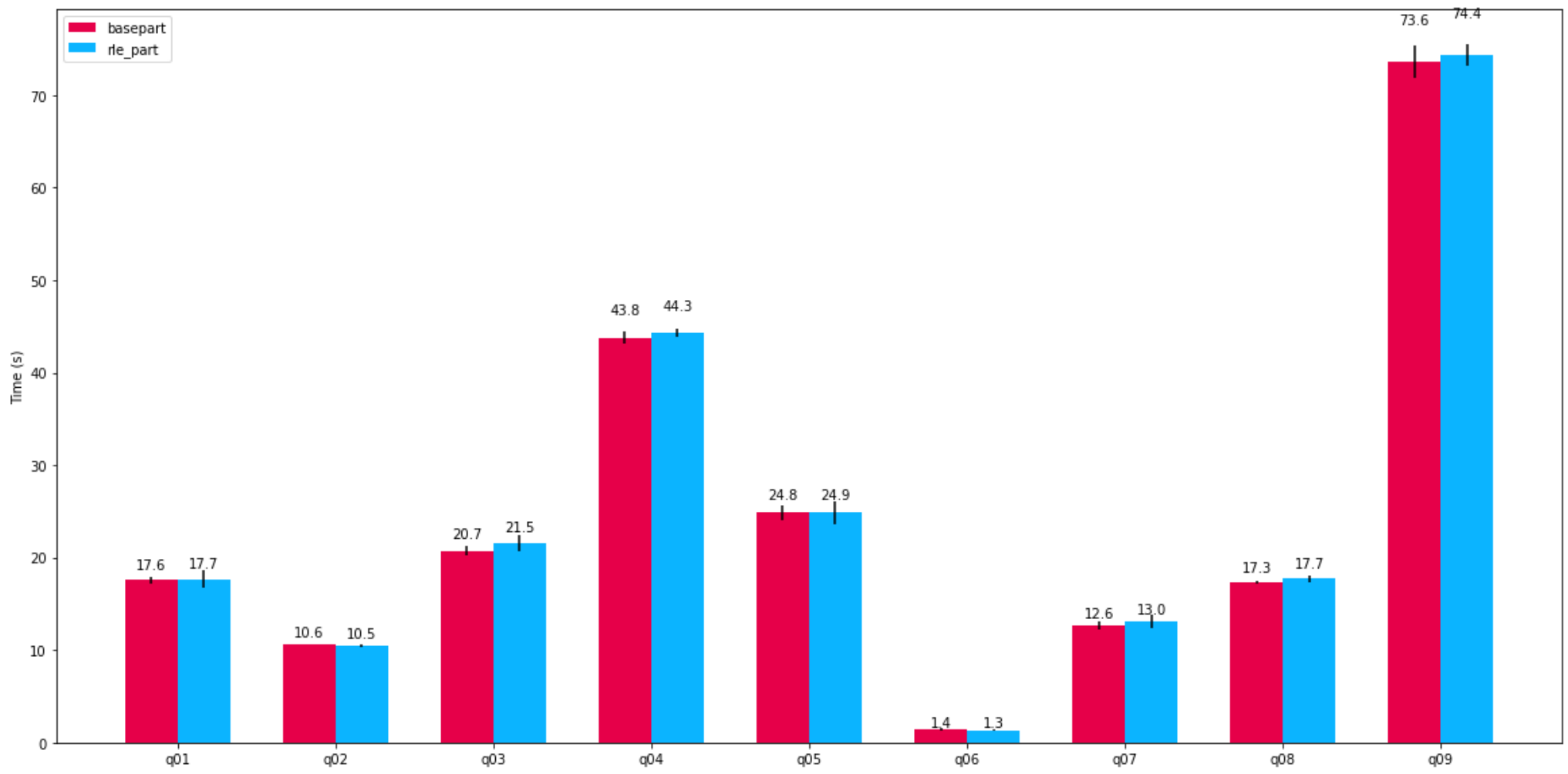
basepart

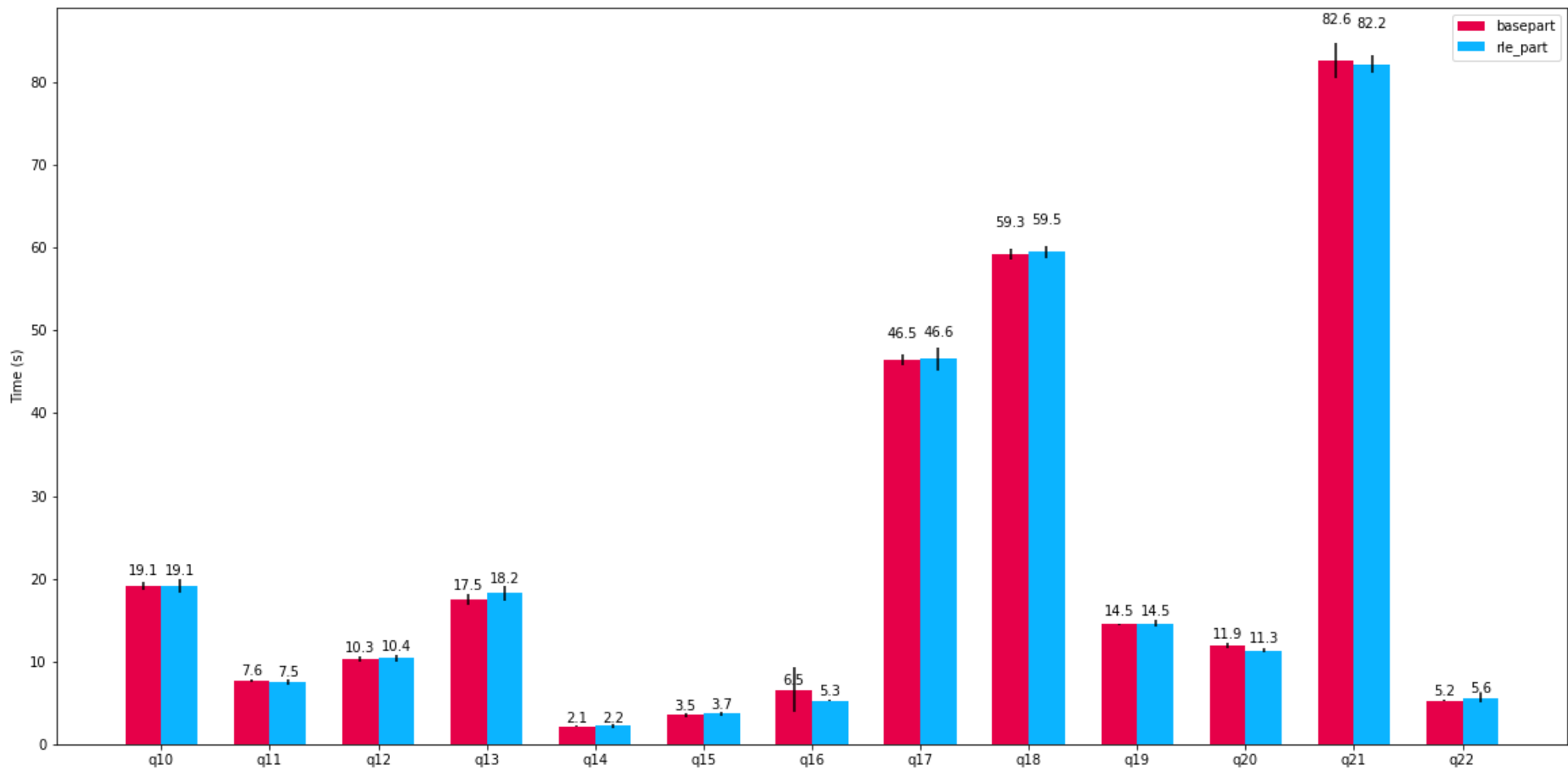
benchmark	query	mean_duration	std_dev
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rle_part

benchmark	query	mean_duration	std_dev
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TPC-H Comparison (DURATION)

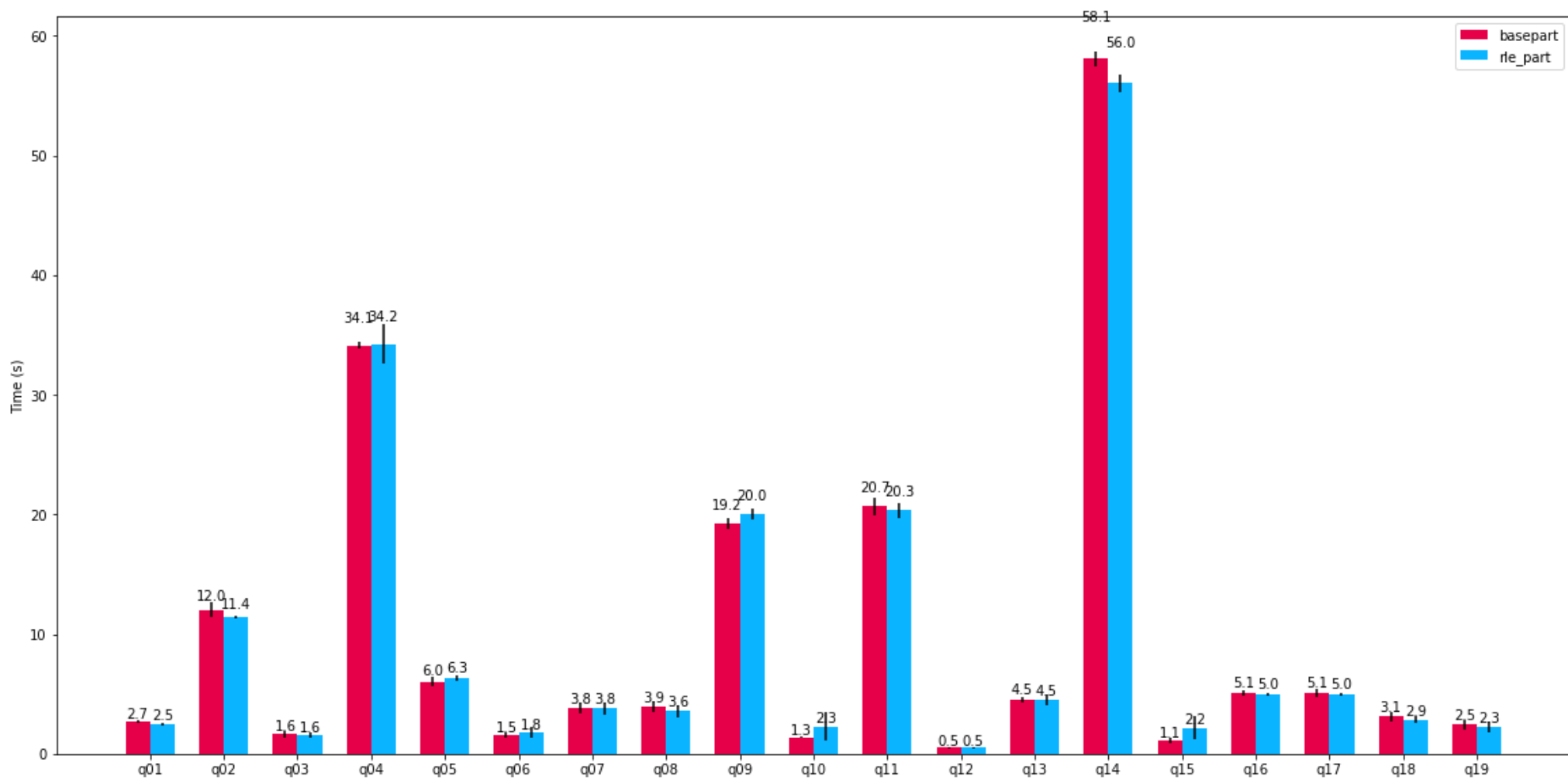


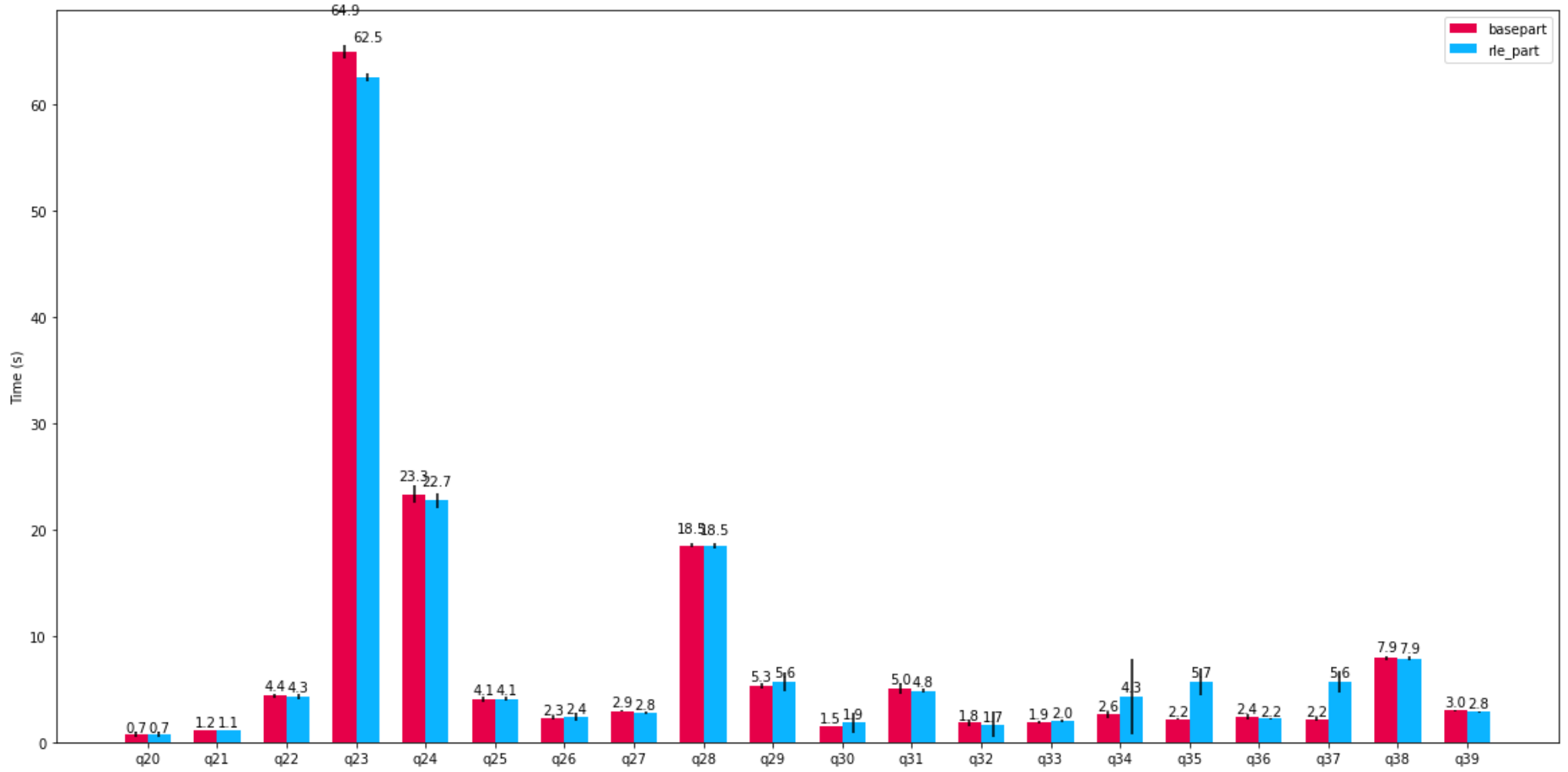


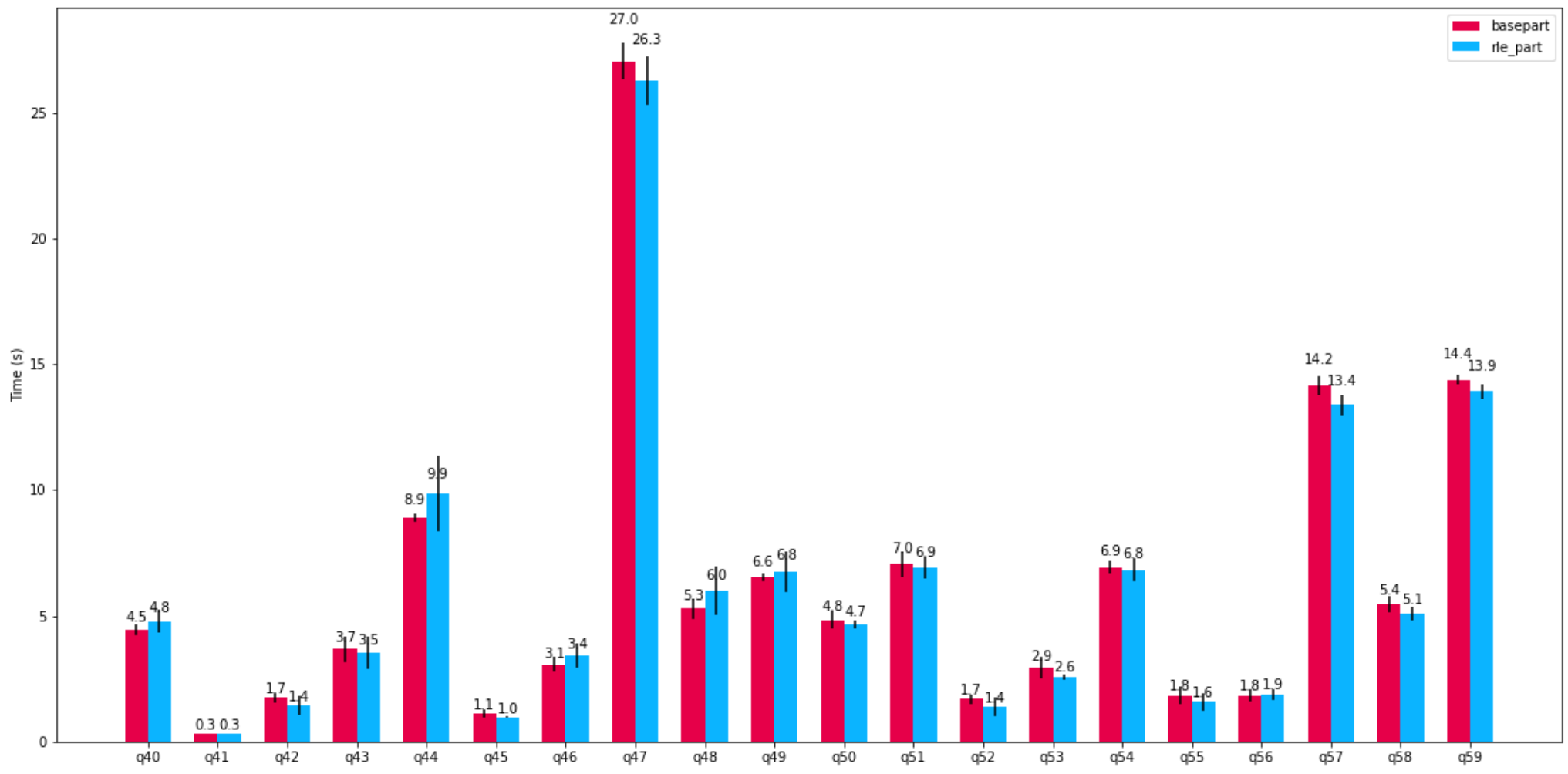
	query	basepart mean	basepart std.dev	rle_part mean	rle_part std.dev
0	presto/tpch: q01	17.561333	0.359953	17.691667	1.015780
1	presto/tpch: q02	10.619167	0.067182	10.491000	0.119902
2	presto/tpch: q03	20.739833	0.475765	21.534333	0.837460
3	presto/tpch: q04	43.776000	0.640916	44.296167	0.433396
4	presto/tpch: q05	24.849833	0.852649	24.850000	1.194229
5	presto/tpch: q06	1.395500	0.108138	1.321500	0.056352
6	presto/tpch: q07	12.642500	0.468865	13.036333	0.727190
7	presto/tpch: q08	17.314167	0.156634	17.722667	0.332401

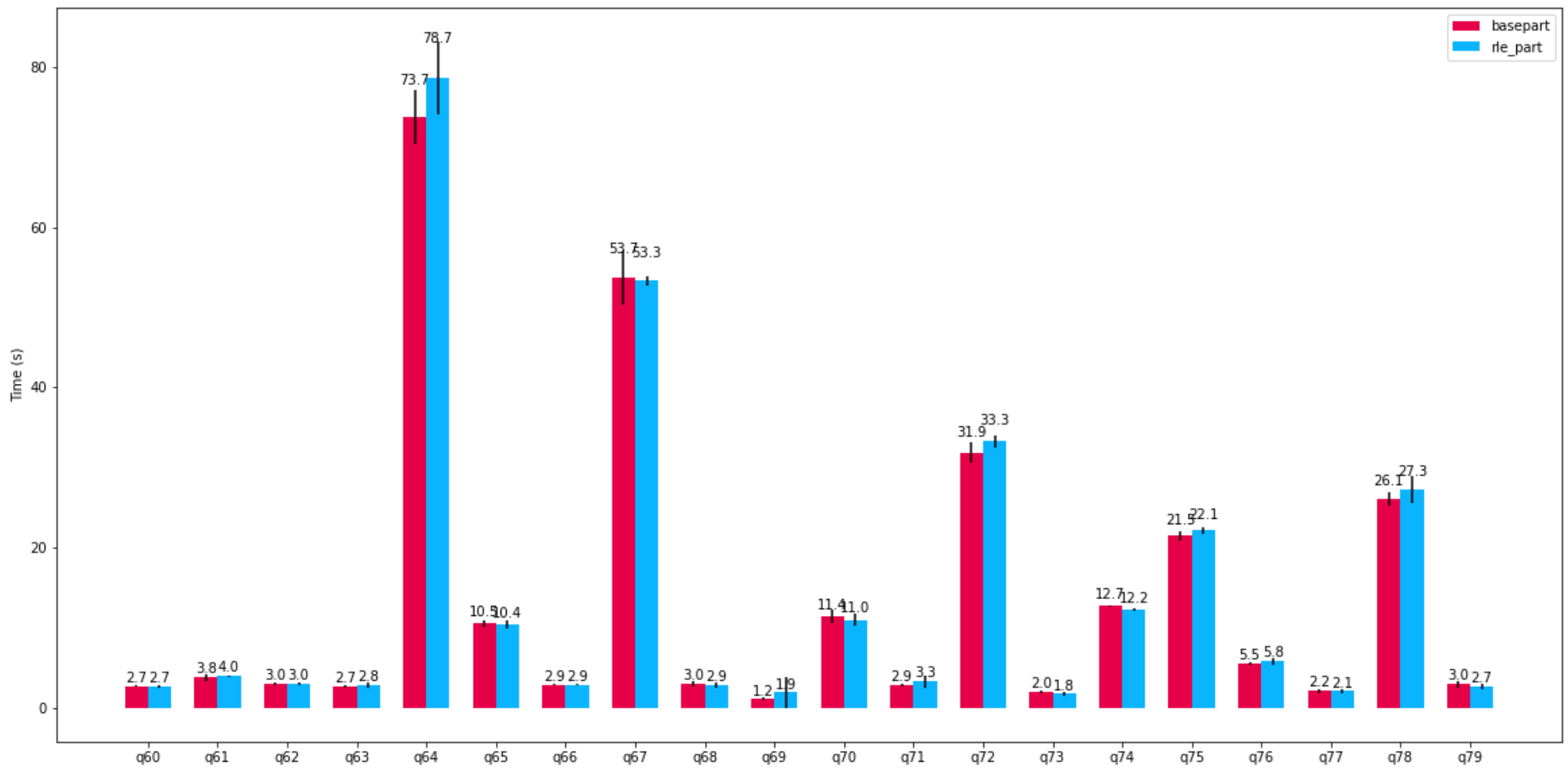
	query	basepart mean	basepart std.dev	rle_part mean	rle_part std.dev
8	presto/tpch: q09	73.635667	1.714664	74.370167	1.146194
9	presto/tpch: q10	19.110667	0.424874	19.120333	0.807468
10	presto/tpch: q11	7.585500	0.163804	7.468333	0.351526
11	presto/tpch: q12	10.286000	0.328696	10.386833	0.376853
12	presto/tpch: q13	17.501333	0.611815	18.237500	0.903882
13	presto/tpch: q14	2.140000	0.103420	2.203500	0.212249
14	presto/tpch: q15	3.519667	0.262058	3.672667	0.252914
15	presto/tpch: q16	6.529667	2.713941	5.259667	0.096259
16	presto/tpch: q17	46.466333	0.580041	46.580167	1.359446
17	presto/tpch: q18	59.259833	0.654407	59.541500	0.733029
18	presto/tpch: q19	14.524333	0.091869	14.545667	0.408029
19	presto/tpch: q20	11.888000	0.349738	11.336333	0.245020
20	presto/tpch: q21	22.640833	2.105848	22.170167	1.058210

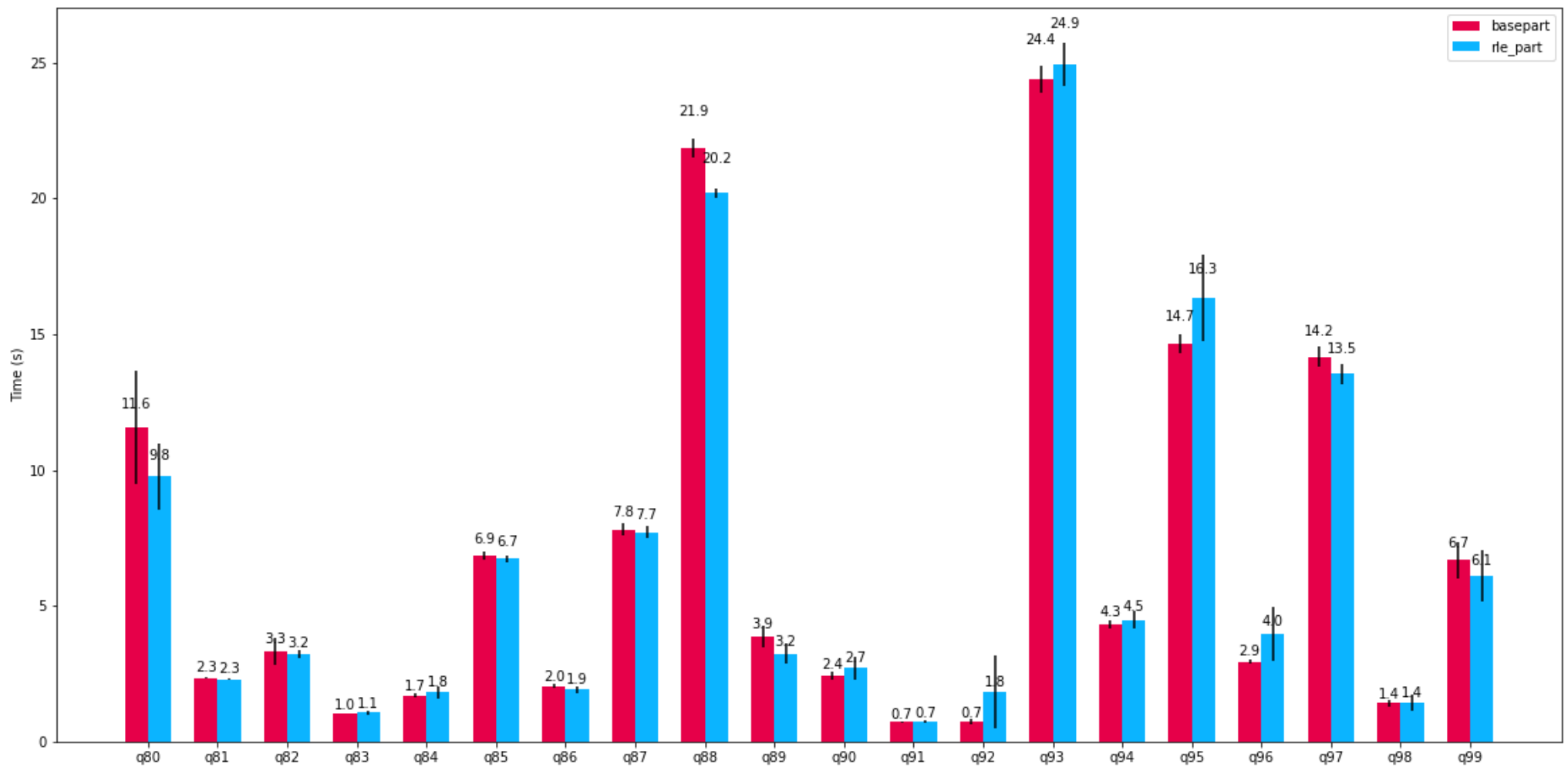
TPC-DS Comparison (DURATION)











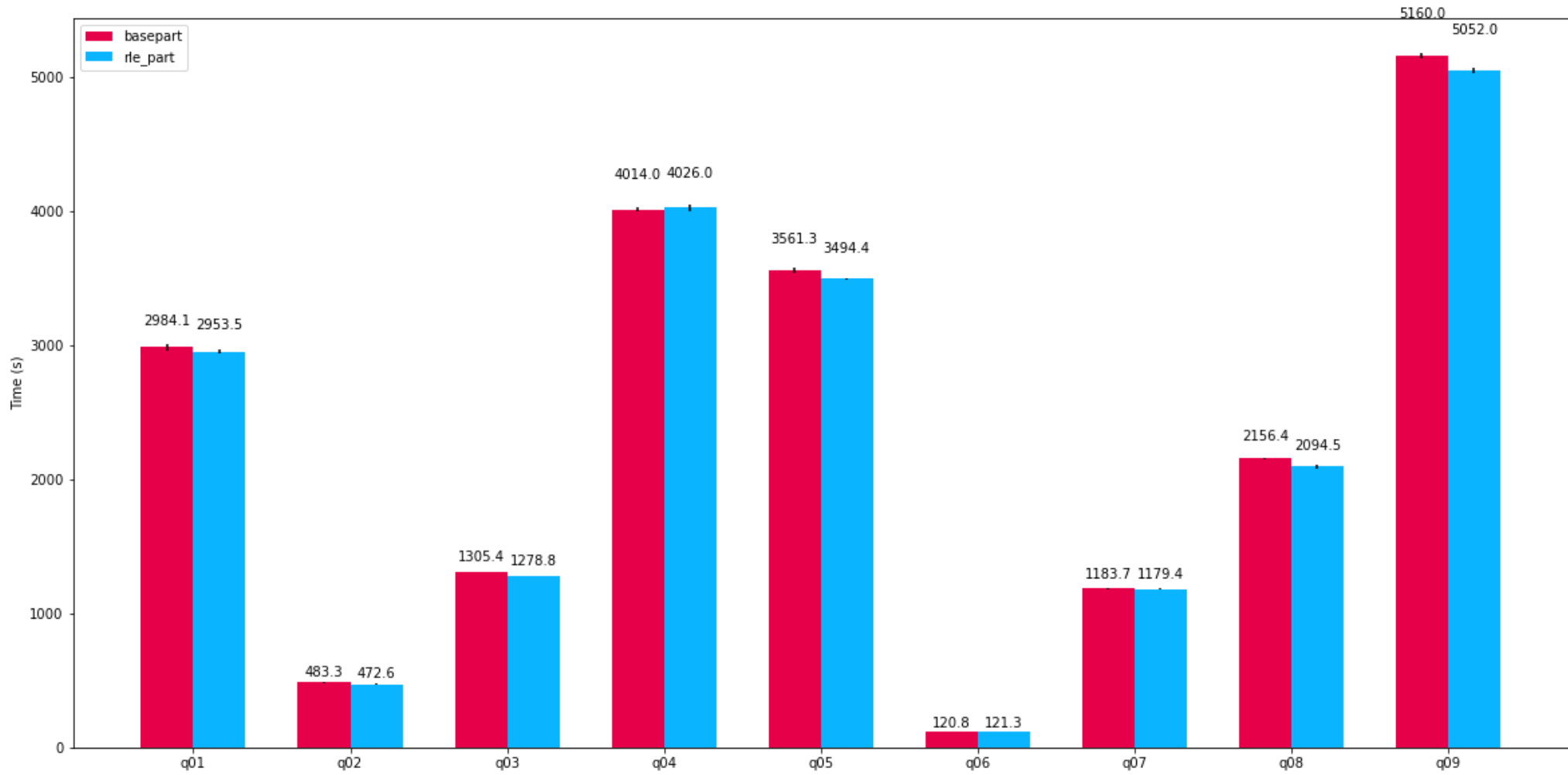
	query	basepart mean	basepart std.dev	rle_part mean	rle_part std.dev
0	presto/tpcds: q01	2.658000	0.129440	2.468167	0.062133
1	presto/tpcds: q02	12.035167	0.645291	11.391500	0.128243
2	presto/tpcds: q03	1.635833	0.243849	1.561500	0.253552
3	presto/tpcds: q04	34.136333	0.320311	34.231667	1.650519
4	presto/tpcds: q05	6.038833	0.386271	6.313500	0.268939
5	presto/tpcds: q06	1.543333	0.192221	1.773667	0.458326
6	presto/tpcds: q07	3.824667	0.405613	3.808500	0.493926
7	presto/tpcds: q08	3.932000	0.467324	3.554500	0.508860

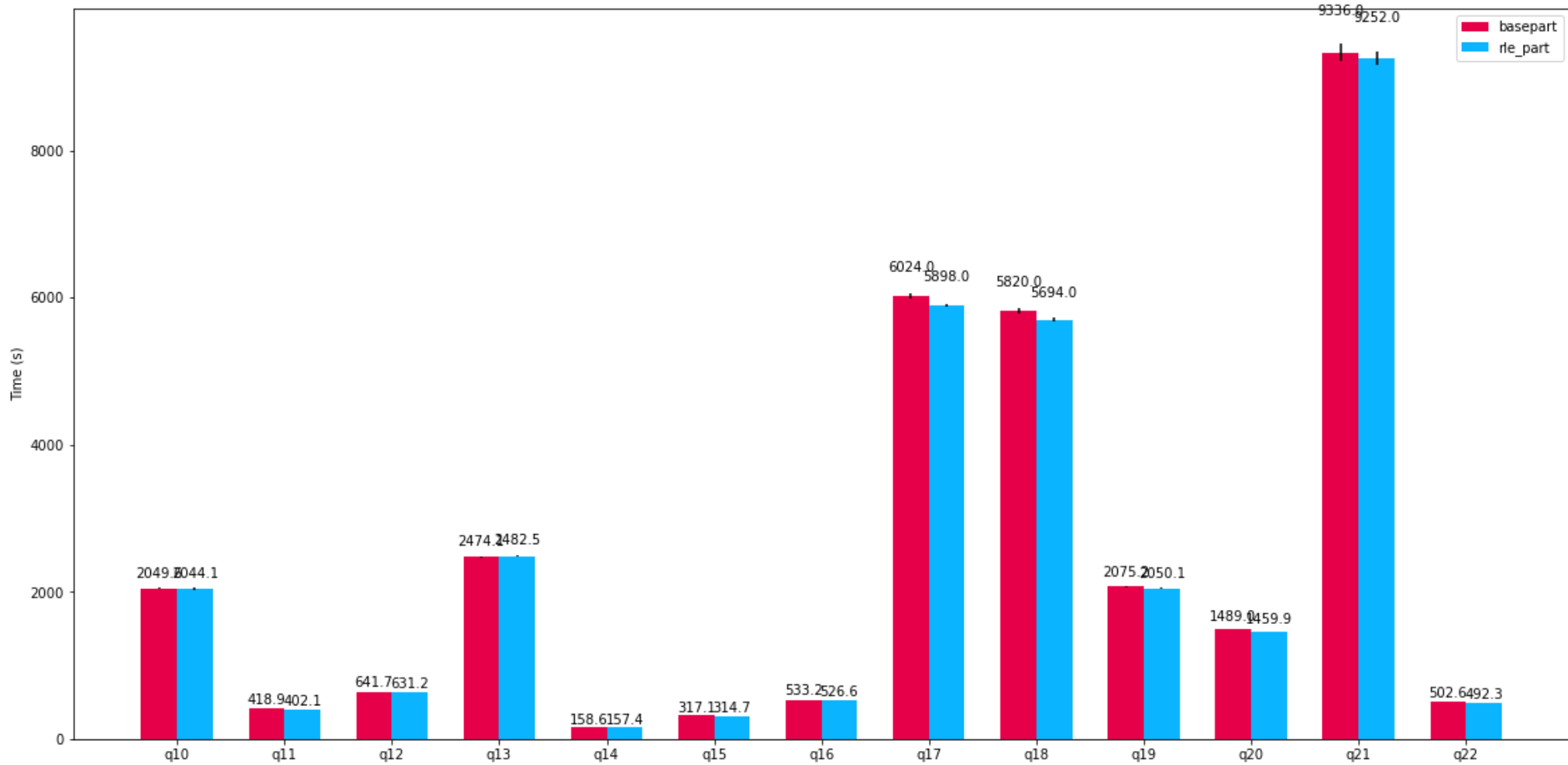
	query	basepart mean	basepart std.dev	rle_part mean	rle_part std.dev
8	presto/tpcds: q09	19.229333	0.476197	20.002167	0.436217
9	presto/tpcds: q10	1.348000	0.066972	2.289000	1.185180
10	presto/tpcds: q11	20.661333	0.748299	20.349500	0.609979
11	presto/tpcds: q12	0.499000	0.029312	0.488333	0.015667
12	presto/tpcds: q13	4.537167	0.208789	4.471667	0.444096
13	presto/tpcds: q14	58.081833	0.591074	56.028667	0.717793
14	presto/tpcds: q15	1.112000	0.208671	2.151500	0.953096
15	presto/tpcds: q16	5.074333	0.241560	4.989000	0.119638
16	presto/tpcds: q17	5.066667	0.309803	4.968500	0.119128
17	presto/tpcds: q18	3.111833	0.360176	2.865667	0.270055
18	presto/tpcds: q19	2.467833	0.395067	2.274833	0.458191
19	presto/tpcds: q20	0.708667	0.223409	0.696000	0.235236
20	presto/tpcds: q21	1.152000	0.018374	1.116500	0.025383
21	presto/tpcds: q22	4.381500	0.193960	4.278833	0.190660
22	presto/tpcds: q23	64.923833	0.608992	62.480833	0.397666
23	presto/tpcds: q24	23.280000	0.830276	22.718333	0.716026
24	presto/tpcds: q25	4.050167	0.267502	4.069500	0.180955
25	presto/tpcds: q26	2.312000	0.208999	2.434333	0.383902
26	presto/tpcds: q27	2.928333	0.059177	2.791333	0.126128
27	presto/tpcds: q28	18.484333	0.166221	18.470500	0.260557
28	presto/tpcds: q29	5.294500	0.288014	5.630500	0.863322
29	presto/tpcds: q30	1.496167	0.031301	1.863000	0.943600
30	presto/tpcds: q31	5.044500	0.515087	4.789000	0.193841
31	presto/tpcds: q32	1.810333	0.346303	1.672000	1.194614
32	presto/tpcds: q33	1.920833	0.123373	1.995500	0.154512
33	presto/tpcds: q34	2.598500	0.291863	4.283333	3.527896
34	presto/tpcds: q35	2.187500	0.106190	5.681167	1.254519
35	presto/tpcds: q36	2.372833	0.202021	2.198167	0.062365

	query	basepart mean	basepart std.dev	rle_part mean	rle_part std.dev
36	presto/tpcds: q37	2.162667	0.162170	5.649333	0.993344
37	presto/tpcds: q38	7.889667	0.233408	7.859500	0.182236
38	presto/tpcds: q39	2.981500	0.073055	2.825333	0.018949
39	presto/tpcds: q40	4.453000	0.212800	4.783333	0.462409
40	presto/tpcds: q41	0.326833	0.005636	0.325833	0.009368
41	presto/tpcds: q42	1.742833	0.180157	1.438167	0.381091
42	presto/tpcds: q43	3.668333	0.490663	3.547833	0.646034
43	presto/tpcds: q44	8.896333	0.159634	9.860667	1.513582
44	presto/tpcds: q45	1.119333	0.170311	0.971333	0.030336
45	presto/tpcds: q46	3.067333	0.298037	3.419167	0.494825
46	presto/tpcds: q47	27.049333	0.726694	26.288833	0.955139
47	presto/tpcds: q48	5.275000	0.410507	5.993833	0.965306
48	presto/tpcds: q49	6.551500	0.154127	6.760833	0.811061
49	presto/tpcds: q50	4.838833	0.341225	4.664167	0.147088
50	presto/tpcds: q51	7.049167	0.520769	6.907500	0.417379
51	presto/tpcds: q52	1.695167	0.178833	1.379667	0.364739
52	presto/tpcds: q53	2.935000	0.428668	2.550833	0.116355
53	presto/tpcds: q54	6.928333	0.227215	6.813000	0.448877
54	presto/tpcds: q55	1.823500	0.347863	1.584000	0.351091
55	presto/tpcds: q56	1.840000	0.234879	1.887000	0.218006
56	presto/tpcds: q57	14.176667	0.376496	13.380667	0.397062
57	presto/tpcds: q58	5.449833	0.329347	5.095833	0.278064
58	presto/tpcds: q59	14.394167	0.194738	13.923000	0.293266
59	presto/tpcds: q60	2.702667	0.077218	2.664167	0.112691
60	presto/tpcds: q61	3.811667	0.426088	3.957167	0.128797
61	presto/tpcds: q62	3.041333	0.199723	2.954333	0.152615
62	presto/tpcds: q63	2.705500	0.215580	2.836333	0.292991
63	presto/tpcds: q64	73.706333	3.363722	78.668333	4.523710

	query	basepart mean	basepart std.dev	rle_part mean	rle_part std.dev
64	presto/tpcds: q65	10.541833	0.396297	10.392833	0.465931
65	presto/tpcds: q66	2.892333	0.088678	2.909500	0.141352
66	presto/tpcds: q67	53.719333	3.404255	53.291833	0.528962
67	presto/tpcds: q68	3.023000	0.299921	2.862000	0.404673
68	presto/tpcds: q69	1.169667	0.176929	1.920000	1.952582
69	presto/tpcds: q70	11.434500	0.831746	10.971833	0.730023
70	presto/tpcds: q71	2.868333	0.175805	3.325167	0.772778
71	presto/tpcds: q72	31.875000	1.310818	33.267667	0.767750
72	presto/tpcds: q73	1.995833	0.158471	1.799667	0.221328
73	presto/tpcds: q74	12.727167	0.118884	12.220500	0.155767
74	presto/tpcds: q75	21.475333	0.587065	22.143667	0.430872
75	presto/tpcds: q76	5.500667	0.146856	5.819500	0.401367
76	presto/tpcds: q77	2.161500	0.244291	2.129167	0.222185
77	presto/tpcds: q78	26.127000	0.801026	27.278667	1.643991
78	presto/tpcds: q79	3.009833	0.418304	2.702500	0.288986
79	presto/tpcds: q80	11.570333	2.071212	9.771167	1.224038
80	presto/tpcds: q81	2.337333	0.026242	2.298500	0.034431
81	presto/tpcds: q82	3.337667	0.498334	3.227333	0.146675
82	presto/tpcds: q83	1.034167	0.017509	1.064500	0.060265
83	presto/tpcds: q84	1.703833	0.052981	1.818667	0.234287
84	presto/tpcds: q85	6.861833	0.146653	6.742833	0.128130
85	presto/tpcds: q86	2.032333	0.077742	1.920833	0.125977
86	presto/tpcds: q87	7.816333	0.233377	7.715833	0.209060
87	presto/tpcds: q88	21.878167	0.352958	20.213667	0.174290
88	presto/tpcds: q89	3.859500	0.395783	3.242833	0.353758
89	presto/tpcds: q90	2.446667	0.145798	2.702667	0.427680
90	presto/tpcds: q91	0.724000	0.025784	0.741000	0.056889
91	presto/tpcds: q92	0.736333	0.113479	1.828833	1.328354

TPC-H Comparison (CPU)

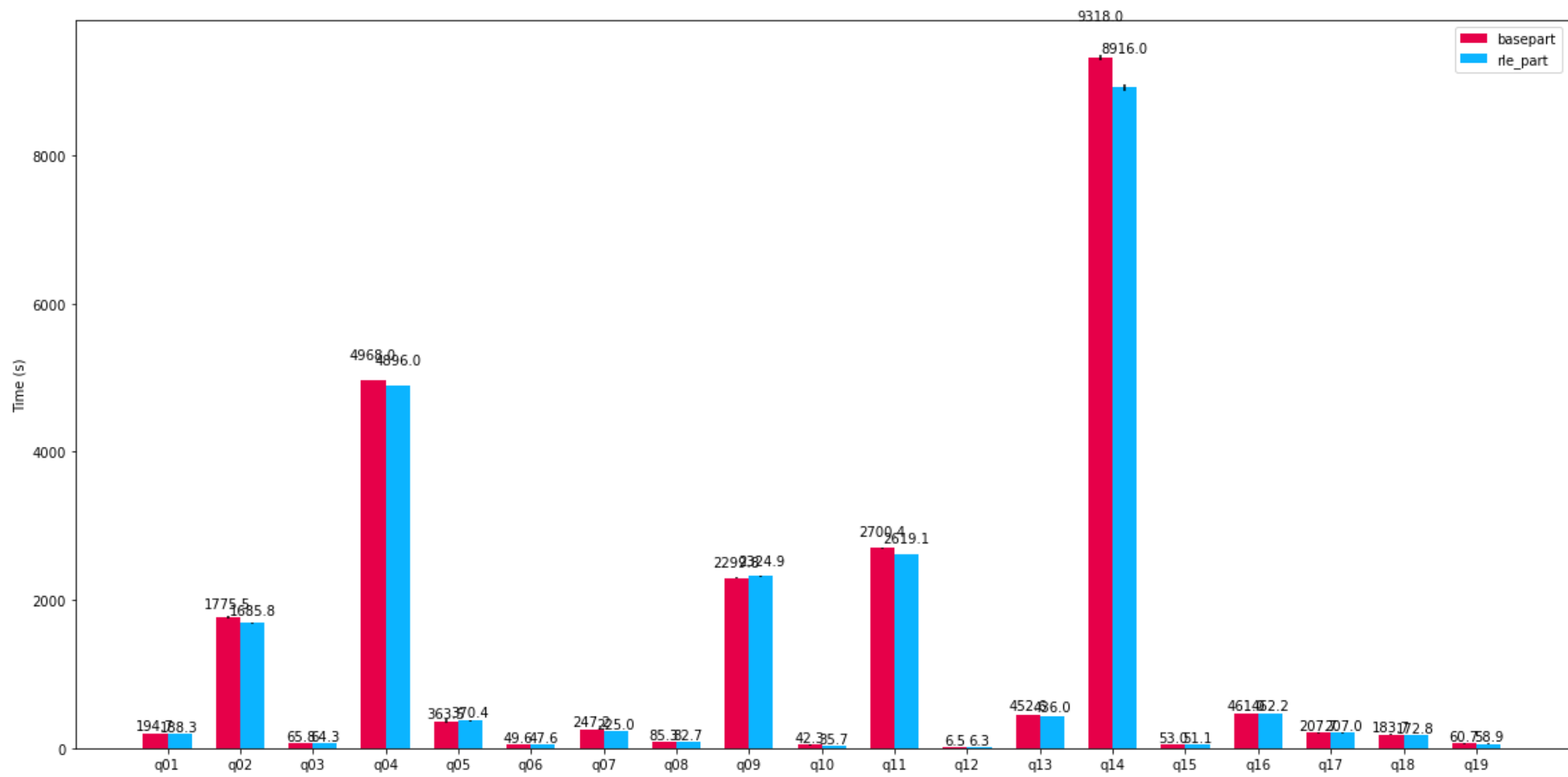


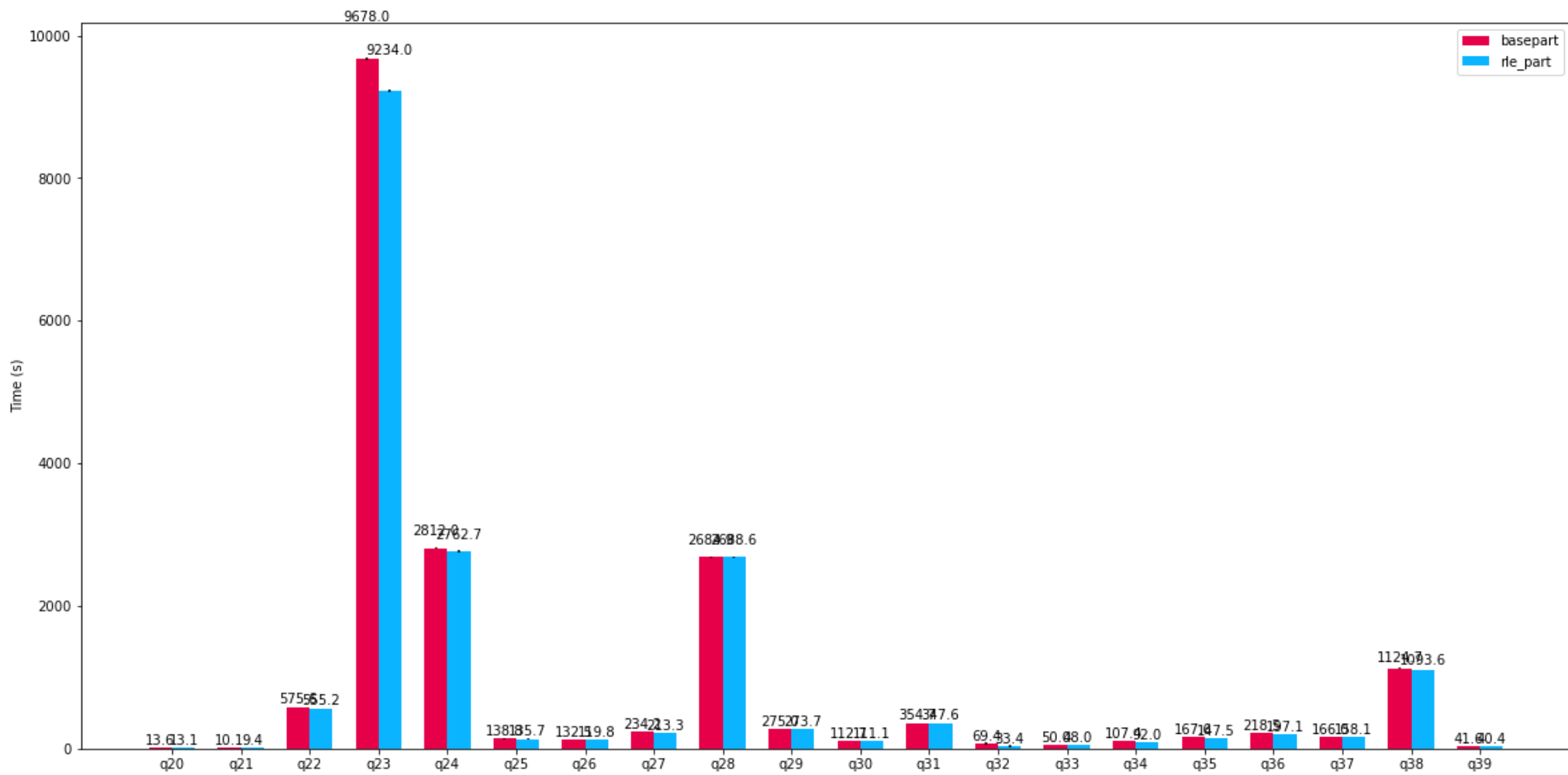


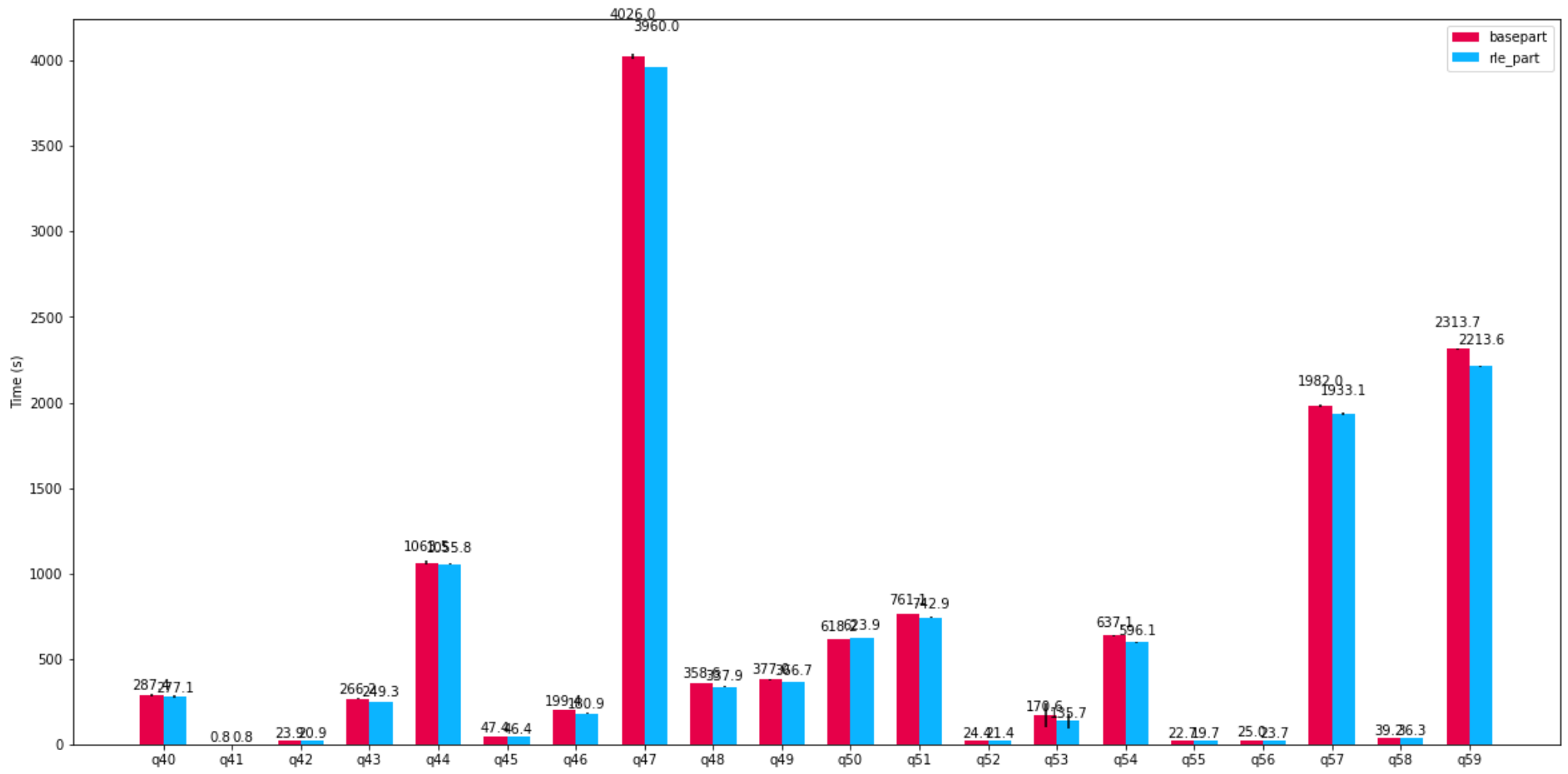
	query	basepart mean	basepart std.dev	rle_part mean	rle_part std.dev
0	presto/tpch: q01	2984.1	24.705870	2953.5	15.115952
1	presto/tpch: q02	483.3	0.501996	472.6	0.903327
2	presto/tpch: q03	1305.4	1.453272	1278.8	1.179830
3	presto/tpch: q04	4014.0	19.718012	4026.0	27.099815
4	presto/tpch: q05	3561.3	22.034791	3494.4	6.851569
5	presto/tpch: q06	120.8	0.309839	121.3	0.244949
6	presto/tpch: q07	1183.7	7.687652	1179.4	4.027903
7	presto/tpch: q08	2156.4	4.616492	2094.5	12.368832

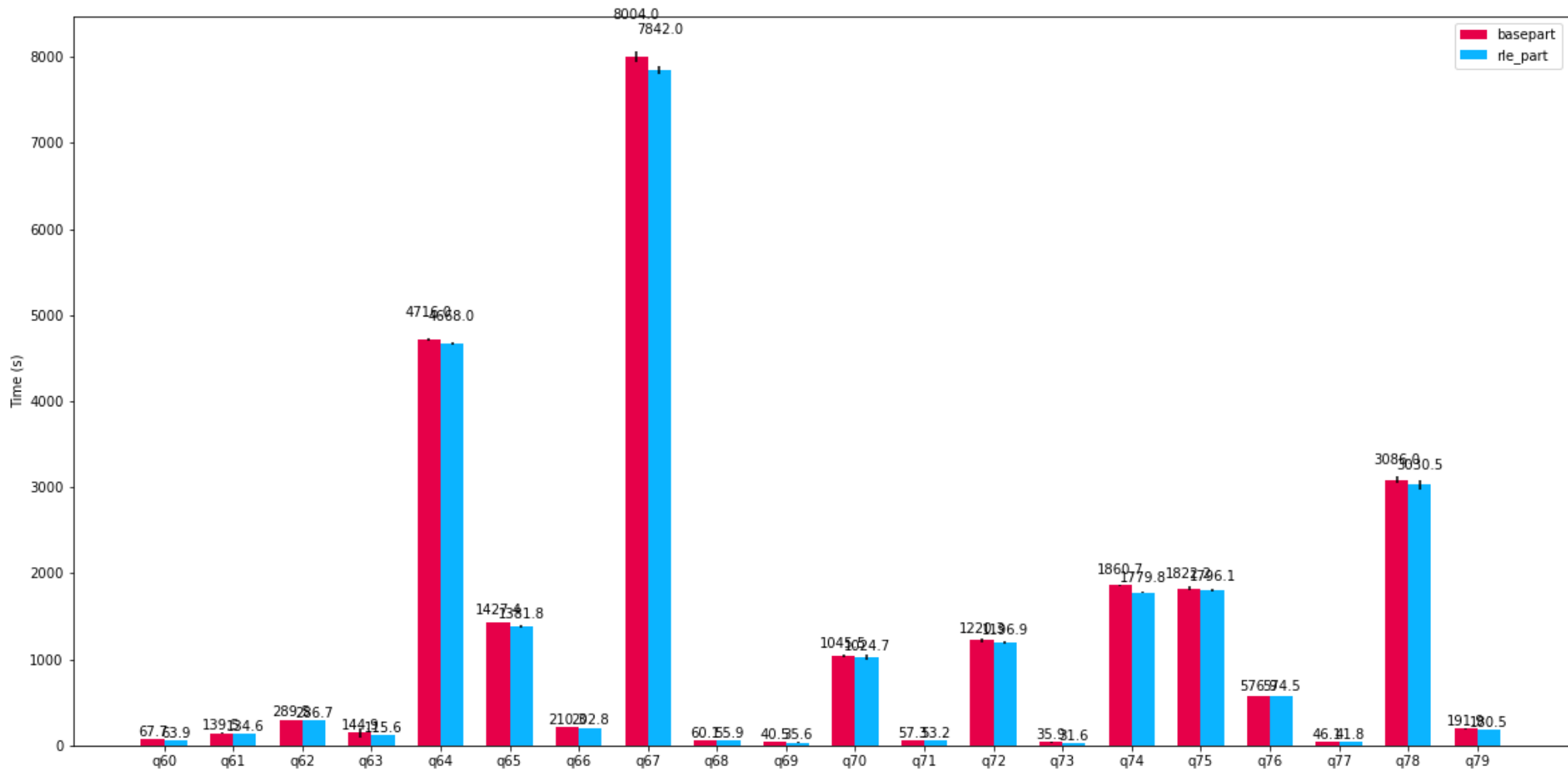
	query	basepart mean	basepart std.dev	rle_part mean	rle_part std.dev
8	presto/tpch: q09	5160.0	18.590320	5052.0	18.590320
9	presto/tpch: q10	2049.6	13.221800	2044.1	11.906133
10	presto/tpch: q11	418.9	1.836301	402.1	1.583667
11	presto/tpch: q12	641.7	1.122497	631.2	1.003992
12	presto/tpch: q13	2474.1	7.316557	2482.5	10.016586
13	presto/tpch: q14	158.6	1.239355	157.4	1.117139
14	presto/tpch: q15	317.1	1.122497	314.7	0.827043
15	presto/tpch: q16	533.2	1.806654	526.6	1.884675
16	presto/tpch: q17	6024.0	43.598165	5898.0	14.696938
17	presto/tpch: q18	5820.0	29.393877	5694.0	27.099815
18	presto/tpch: q19	2075.2	6.447325	2050.1	7.706361
19	presto/tpch: q20	1489.0	3.344249	1459.9	2.900345
20	presto/tpch: q21	2222.0	117.575500	2250.0	22.500107

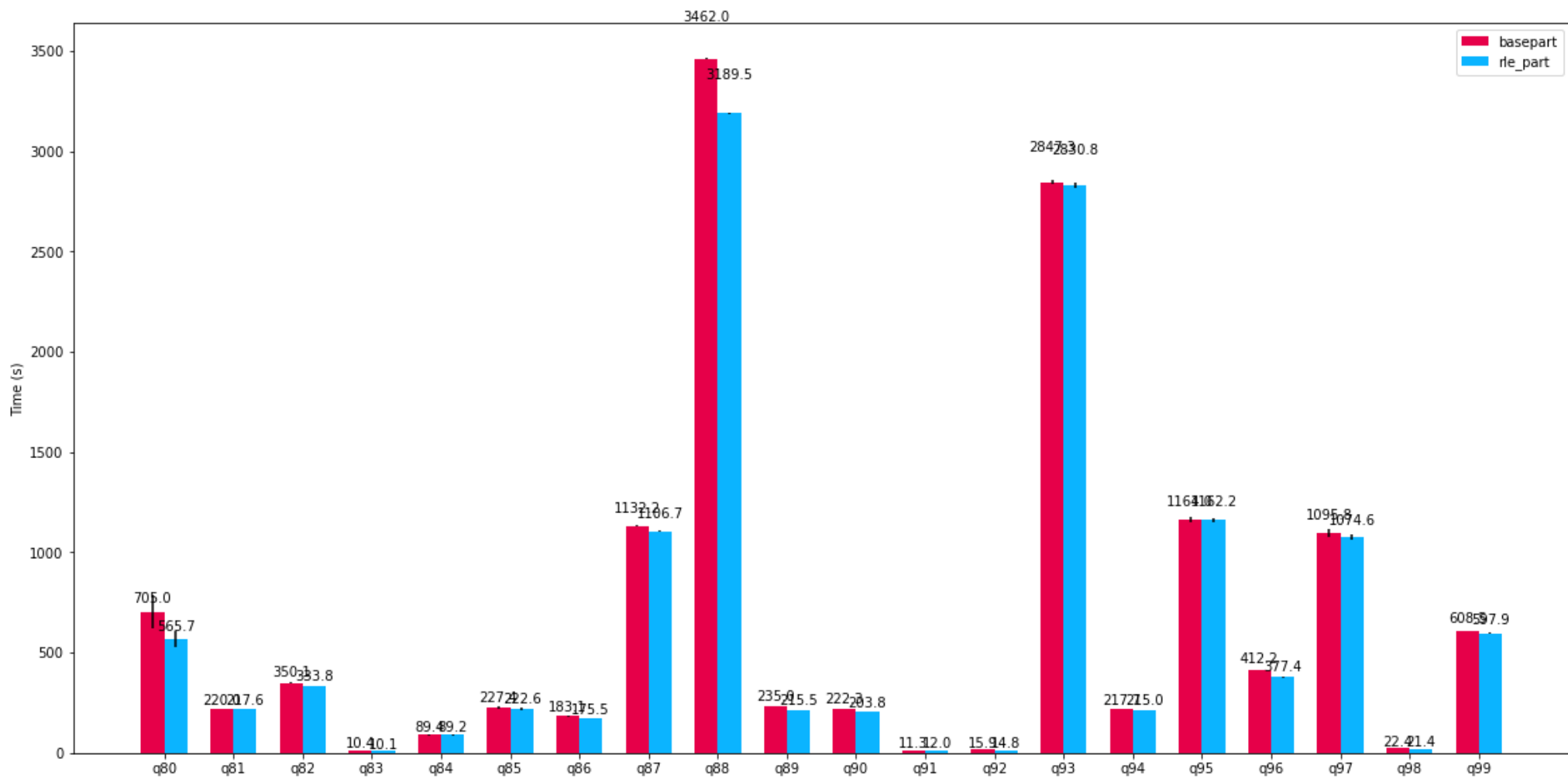
TPC-DS Comparison (CPU)











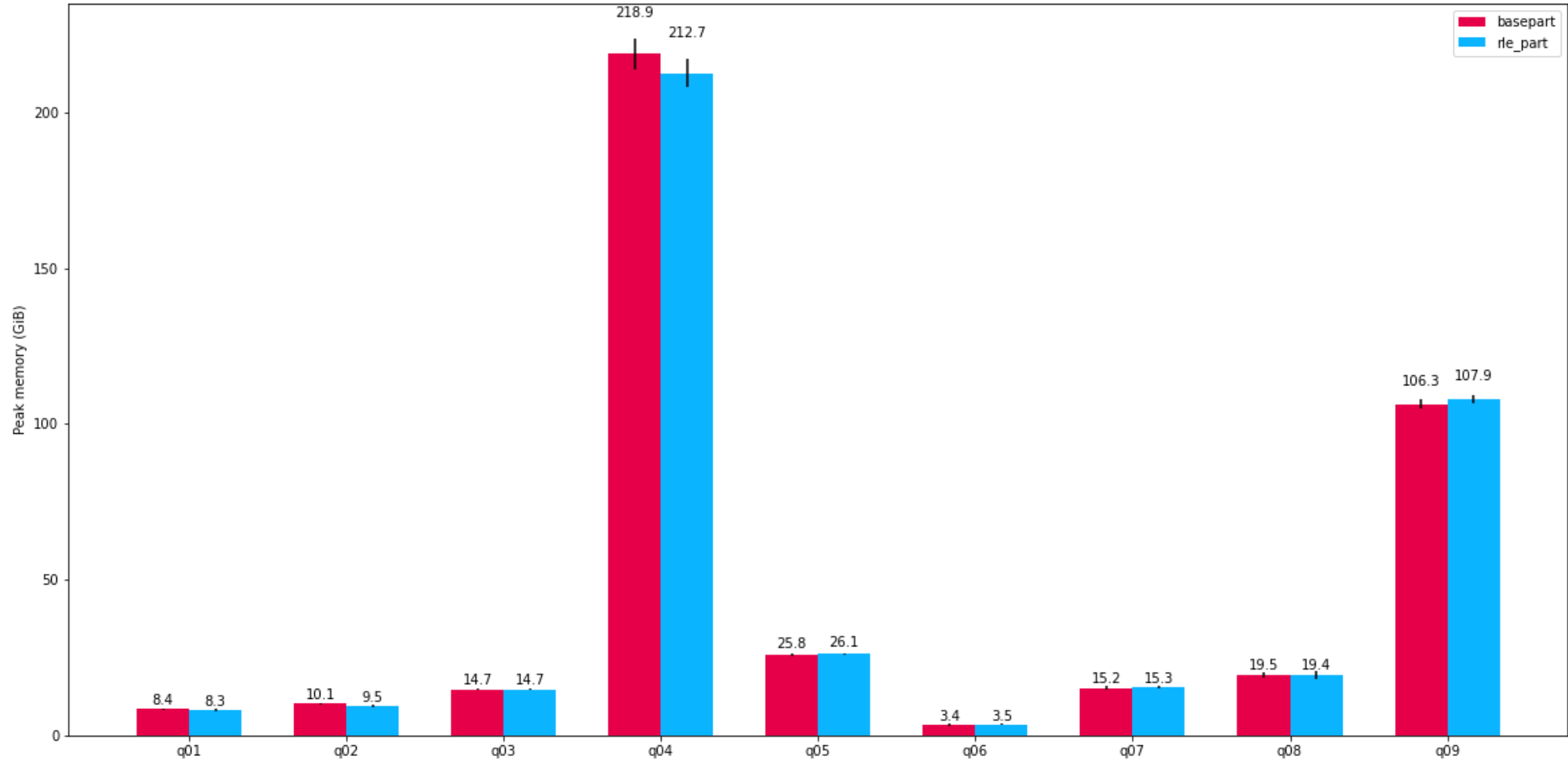
	query	basepart mean	basepart std.dev	rle_part mean	rle_part std.dev
0	presto/tpcds: q01	194.700000	0.909945	188.300000	1.583667
1	presto/tpcds: q02	1775.500000	18.188678	1685.800000	11.979983
2	presto/tpcds: q03	65.800000	0.489898	64.300000	0.797496
3	presto/tpcds: q04	4968.000000	0.000000	4896.000000	0.000000
4	presto/tpcds: q05	363.500000	26.922333	370.400000	11.464031
5	presto/tpcds: q06	49.555000	0.157194	47.596667	0.123720
6	presto/tpcds: q07	247.200000	0.536656	225.000000	0.379473
7	presto/tpcds: q08	85.300000	0.701427	82.700000	2.321207

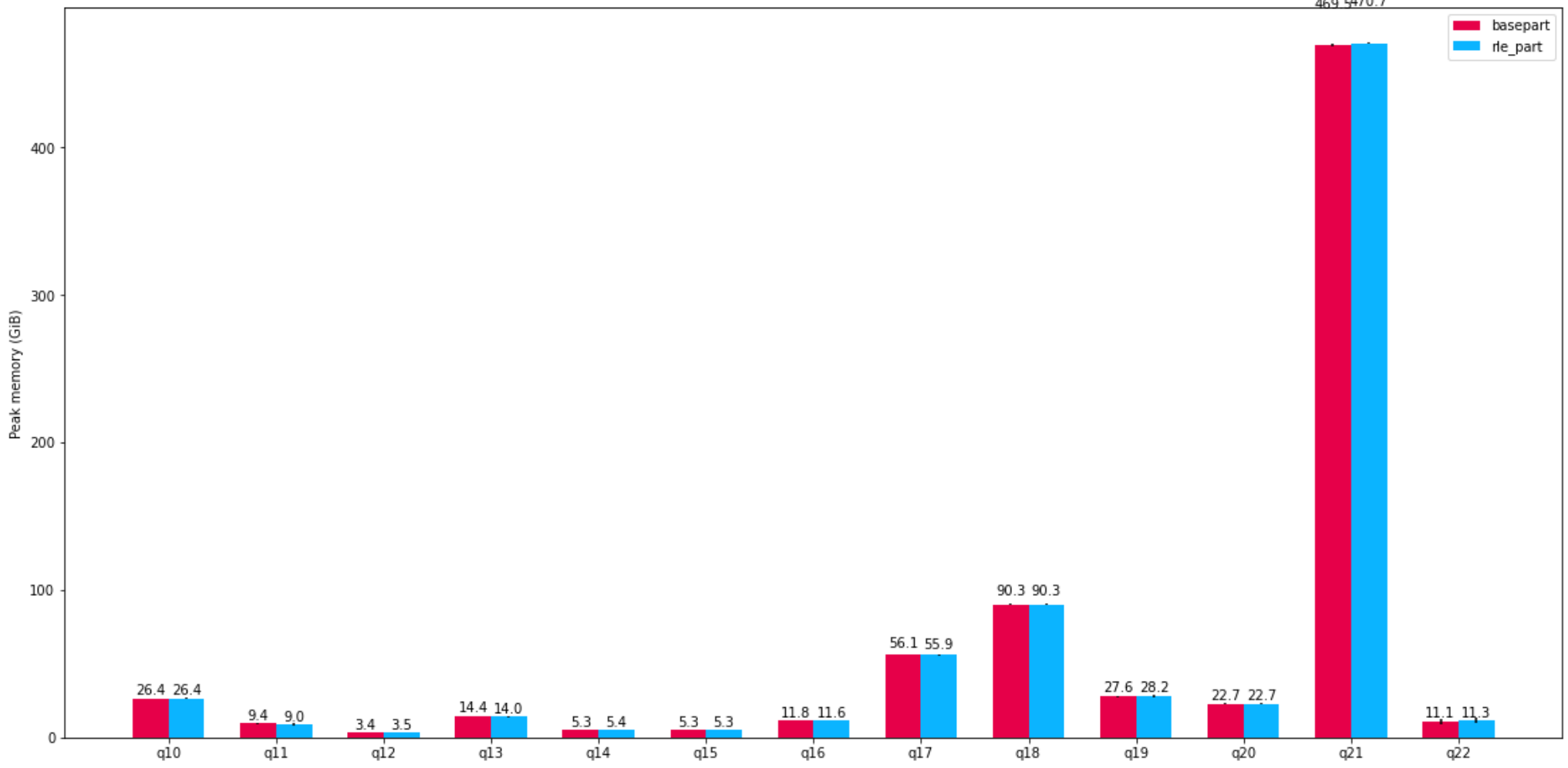
	query	basepart mean	basepart std.dev	rle_part mean	rle_part std.dev
8	presto/tpcds: q09	2299.800000	6.616343	2324.900000	10.006998
9	presto/tpcds: q10	42.326667	1.918162	35.735000	0.792357
10	presto/tpcds: q11	2700.400000	10.622994	2619.100000	4.953786
11	presto/tpcds: q12	6.543333	0.036148	6.293333	0.049261
12	presto/tpcds: q13	452.600000	0.726636	436.000000	0.619677
13	presto/tpcds: q14	9318.000000	35.394915	8916.000000	43.598165
14	presto/tpcds: q15	52.980000	0.209857	51.075000	0.133679
15	presto/tpcds: q16	461.000000	1.296148	462.200000	2.507588
16	presto/tpcds: q17	207.700000	4.700213	207.000000	5.939697
17	presto/tpcds: q18	183.700000	2.412468	172.800000	1.073313
18	presto/tpcds: q19	60.733333	2.941202	58.851667	1.040181
19	presto/tpcds: q20	13.633333	0.168839	13.050000	0.215592
20	presto/tpcds: q21	10.105000	0.120789	9.431667	0.098268
21	presto/tpcds: q22	575.600000	2.701111	555.200000	1.549193
22	presto/tpcds: q23	9678.000000	14.696938	9234.000000	19.718012
23	presto/tpcds: q24	2812.000000	15.533705	2762.700000	20.161250
24	presto/tpcds: q25	138.800000	7.911511	135.700000	5.438750
25	presto/tpcds: q26	132.500000	0.451664	119.800000	0.489898
26	presto/tpcds: q27	234.200000	0.489898	213.300000	0.909945
27	presto/tpcds: q28	2684.900000	3.161645	2688.600000	7.279560
28	presto/tpcds: q29	275.000000	0.903327	273.700000	2.160555
29	presto/tpcds: q30	112.700000	0.883176	111.100000	0.451664
30	presto/tpcds: q31	354.700000	2.773446	347.600000	2.856571
31	presto/tpcds: q32	69.418333	20.966459	33.373333	20.396294
32	presto/tpcds: q33	49.966667	0.164884	47.976667	0.124365
33	presto/tpcds: q34	107.400000	0.758947	92.000000	0.726636
34	presto/tpcds: q35	167.600000	3.491704	147.500000	3.588314
35	presto/tpcds: q36	218.500000	0.244949	197.100000	0.328634

	query	basepart mean	basepart std.dev	rle_part mean	rle_part std.dev
36	presto/tpcds: q37	166.000000	0.619677	158.100000	1.122497
37	presto/tpcds: q38	1124.700000	4.581266	1093.600000	1.239355
38	presto/tpcds: q39	41.551667	0.398618	40.366667	0.204809
39	presto/tpcds: q40	287.400000	7.089147	277.100000	8.764246
40	presto/tpcds: q41	0.775167	0.008085	0.780833	0.011923
41	presto/tpcds: q42	23.865000	0.234840	20.903333	0.584180
42	presto/tpcds: q43	266.200000	1.549193	249.300000	1.643168
43	presto/tpcds: q44	1063.500000	9.385734	1055.800000	5.494725
44	presto/tpcds: q45	47.418333	0.287779	46.446667	0.538912
45	presto/tpcds: q46	199.400000	0.979796	180.900000	1.354991
46	presto/tpcds: q47	4026.000000	14.696938	3960.000000	0.000000
47	presto/tpcds: q48	358.600000	1.179830	337.900000	2.721029
48	presto/tpcds: q49	377.000000	2.389979	366.700000	1.836301
49	presto/tpcds: q50	618.200000	0.619677	623.900000	2.747362
50	presto/tpcds: q51	761.100000	1.244186	742.900000	1.672124
51	presto/tpcds: q52	24.403333	0.327210	21.400000	0.190997
52	presto/tpcds: q53	170.600000	69.516847	135.700000	42.280918
53	presto/tpcds: q54	637.100000	3.444996	596.100000	3.846557
54	presto/tpcds: q55	22.711667	0.320026	19.716667	0.299911
55	presto/tpcds: q56	25.028333	0.132728	23.703333	0.318727
56	presto/tpcds: q57	1982.000000	5.142762	1933.100000	6.929069
57	presto/tpcds: q58	39.153333	0.877056	36.265000	0.571236
58	presto/tpcds: q59	2313.700000	5.582473	2213.600000	3.807361
59	presto/tpcds: q60	67.700000	0.451664	63.900000	0.328634
60	presto/tpcds: q61	139.500000	8.993998	134.600000	4.253939
61	presto/tpcds: q62	289.500000	0.734847	286.700000	1.282186
62	presto/tpcds: q63	144.900000	53.643825	115.600000	0.819756
63	presto/tpcds: q64	4716.000000	22.768399	4668.000000	18.590320

	query	basepart mean	basepart std.dev	rle_part mean	rle_part std.dev
64	presto/tpcds: q65	1427.400000	4.663046	1381.800000	13.459272
65	presto/tpcds: q66	210.300000	0.328634	202.800000	0.536656
66	presto/tpcds: q67	8004.000000	58.787754	7842.000000	47.849765
67	presto/tpcds: q68	60.101667	0.408530	55.926667	0.633267
68	presto/tpcds: q69	40.511667	0.222299	35.636667	0.312709
69	presto/tpcds: q70	1045.500000	16.888694	1024.700000	26.999778
70	presto/tpcds: q71	57.330000	1.159086	53.228333	1.096347
71	presto/tpcds: q72	1220.300000	16.499091	1196.900000	12.169306
72	presto/tpcds: q73	35.946667	0.364619	31.578333	0.589658
73	presto/tpcds: q74	1860.700000	8.698276	1779.800000	6.612715
74	presto/tpcds: q75	1822.200000	26.503434	1796.100000	15.850678
75	presto/tpcds: q76	576.900000	1.643168	574.500000	3.472751
76	presto/tpcds: q77	46.131667	0.351193	41.835000	0.206180
77	presto/tpcds: q78	3086.000000	33.650676	3030.500000	52.410495
78	presto/tpcds: q79	191.900000	0.883176	180.500000	0.961249
79	presto/tpcds: q80	705.000000	80.658391	565.700000	40.904719
80	presto/tpcds: q81	220.000000	2.031748	217.600000	0.726636
81	presto/tpcds: q82	350.100000	0.629285	333.800000	0.819756
82	presto/tpcds: q83	10.383333	0.447646	10.086667	0.308718
83	presto/tpcds: q84	89.400000	0.657267	89.200000	0.309839
84	presto/tpcds: q85	227.400000	6.083420	222.600000	6.766979
85	presto/tpcds: q86	183.100000	0.451664	175.500000	0.501996
86	presto/tpcds: q87	1132.200000	2.244994	1106.700000	3.388805
87	presto/tpcds: q88	3462.000000	4.343271	3189.500000	5.760208
88	presto/tpcds: q89	235.000000	0.309839	215.500000	0.244949
89	presto/tpcds: q90	222.300000	0.501996	203.800000	0.619677
90	presto/tpcds: q91	11.321667	0.622492	11.955000	2.035021
91	presto/tpcds: q92	15.920000	0.218174	14.788333	0.187020

TPC-H Comparison (peak Memory)





	query	basepart mean	basepart std.dev	rle_part mean	rle_part std.dev
0	presto/tpch: q01	8.388 GiB	275.879 MiB	8.330 GiB	447.376 MiB
1	presto/tpch: q02	10.082 GiB	284.132 MiB	9.523 GiB	517.417 MiB
2	presto/tpch: q03	14.711 GiB	187.825 MiB	14.655 GiB	212.325 MiB
3	presto/tpch: q04	218.865 GiB	4.919 GiB	212.721 GiB	4.423 GiB
4	presto/tpch: q05	25.837 GiB	412.511 MiB	26.083 GiB	317.798 MiB
5	presto/tpch: q06	3.433 GiB	443.285 MiB	3.470 GiB	240.617 MiB
6	presto/tpch: q07	15.249 GiB	551.946 MiB	15.336 GiB	436.579 MiB
7	presto/tpch: q08	19.458 GiB	773.788 MiB	19.359 GiB	1.402 GiB

	query	basepart mean	basepart std.dev	rle_part mean	rle_part std.dev
8	presto/tpch: q09	106.289 GiB	1.488 GiB	107.887 GiB	1.361 GiB
9	presto/tpch: q10	26.396 GiB	211.847 MiB	26.400 GiB	350.438 MiB
10	presto/tpch: q11	9.428 GiB	463.454 MiB	9.050 GiB	665.449 MiB
11	presto/tpch: q12	3.418 GiB	221.306 MiB	3.522 GiB	84.314 MiB
12	presto/tpch: q13	14.448 GiB	361.761 MiB	14.038 GiB	295.103 MiB
13	presto/tpch: q14	5.349 GiB	82.268 MiB	5.382 GiB	155.876 MiB
14	presto/tpch: q15	5.288 GiB	56.274 MiB	5.289 GiB	60.422 MiB
15	presto/tpch: q16	11.751 GiB	257.402 MiB	11.556 GiB	280.708 MiB
16	presto/tpch: q17	56.059 GiB	215.474 MiB	55.902 GiB	493.082 MiB
17	presto/tpch: q18	90.265 GiB	145.802 MiB	90.315 GiB	136.863 MiB
18	presto/tpch: q19	27.596 GiB	785.365 MiB	28.234 GiB	821.516 MiB
19	presto/tpch: q20	22.681 GiB	378.888 MiB	22.709 GiB	350.769 MiB
20	presto/tpch: q21	469.499 GiB	1.237 GiB	470.702 GiB	643.794 MiB

TPC-DS Comparison (peak Memory)

