

query	dp	goo_cost	goo_result_si	goo_combine	geqo	cost/dp	result/dp	combined/dp	geqo/dp
1a		5.21	5.68	5.07	5.18	6.74	1.09	0.97	0.99 1.29
1b		1.58	1.59	1.71	1.81	3.22	1	1.08	1.14 2.03
1c		4.36	2.64	4.35	4.41	5.85	0.61	1	1.01 1.34
1d		1.6	1.61	1.7	1.84	3.23	1.01	1.06	1.15 2.02
2a		247.13	321.52	319.56	302	309.71	1.3	1.29	1.22 1.25
2b		235.17	299.62	309.89	305.29	306.78	1.27	1.32	1.3 1.3
2c		224.03	298.78	323.96	299.86	323.2	1.33	1.45	1.34 1.44
2d		313.69	301.76	311.95	326.94	309.84	0.96	0.99	1.04 0.99
3a		75.92	75.87	171.42	77.18	78.6	1	2.26	1.02 1.04
3b		52.52	52.08	1173.8	55.11	55.94	0.99	22.35	1.05 1.07
3c		143.83	137.58	193.56	137.29	140.52	0.96	1.35	0.95 0.98
4a		57.05	54.5	53.39	53.55	58.16	0.96	0.94	0.94 1.02
4b		39.21	50.33	47.41	50.52	42.03	1.28	1.21	1.29 1.07
4c		61.18	61.47	61.95	61.69	63.39	1	1.01	1.01 1.04
5a		90.09	90.14	90.21	89.66	91.96	1	1	1 1.02
5b		90.72	90.6	90.15	89.89	91.47	1	0.99	0.99 1.01
5c		110.08	108.19	108.44	107.5	109.6	0.98	0.99	0.98 1
6a		11.89	12.16	11.97	12.09	13.81	1.02	1.01	1.02 1.16
6b		120.68	120.23	119.15	118.52	119.33	1	0.99	0.98 0.99
6c		7.42	7.57	7.46	7.4	8.59	1.02	1.01	1 1.16
6d		2850.5	2697.65	467.33	2746.82	2701.16	0.95	0.16	0.96 0.95
6e		11.57	11.55	11.5	11.63	12.96	1	0.99	1.01 1.12
6f		2665.45	2687.94	2690.97	2672.15	2688.07	1.01	1.01	1 1.01
7a		474.85	548.46	70.49	558.27	540.26	1.16	0.15	1.18 1.14
7b		145.29	162.65	66.14	150.18	158.85	1.12	0.46	1.03 1.09
7c		1414.89	1381.62	639.53	649.24	1433.62	0.98	0.45	0.46 1.01
8a		1227.95	1213.31	1124.28	1239.31	1248.23	0.99	0.92	1.01 1.02
8b		230.17	227.44	220.63	227.36	237.42	0.99	0.96	0.99 1.03
8c		2817.67	2626.9	2646.62	2648.13	3390.09	0.93	0.94	0.94 1.2
8d		1478.95	1609.81	1621.05	1636.82	1080.43	1.09	1.1	1.11 0.73
9a		406.47	124256.07	398.63	394.17	400.86	305.69	0.98	0.97 0.99
9b		377.39	1847.25	384.9	385.08	389.44	4.89	1.02	1.02 1.03
9c		926.8	2026.93	2770.29	1997.16	934.51	2.19	2.99	2.15 1.01
9d		1746.47	2213.42	3208.16	3218.26	2743.05	1.27	1.84	1.84 1.57
10a		393.12	391.1	1041.99	387.59	406.9	0.99	2.65	0.99 1.04
10b		246.25	244.18	243.25	244.45	253.2	0.99	0.99	0.99 1.03
10c		3715.21	3546.38	3298.17	3552.91	3720.33	0.95	0.89	0.96 1
11a		37.21	320.33	35.26	35.67	48.2	8.61	0.95	0.96 1.3
11b		20.63	39.84	87.3	40.68	32.94	1.93	4.23	1.97 1.6
11c		62.26	361.87	56.78	59.4	74.16	5.81	0.91	0.95 1.19
11d		53.54	374.56	52.5	52.72	64.88	7	0.98	0.98 1.21
12a		164.86	172.67	129.8	176.21	176.65	1.05	0.79	1.07 1.07
12b		3.59	3.05	242.31	3.42	16.07	0.85	67.53	0.95 4.48
12c		577.92	777.82	395.66	770.89	660.74	1.35	0.68	1.33 1.14
13a		1320.95	1320.66	1713.03	1361.29	1359.15	1	1.3	1.03 1.03
13b		498.77	498.74	120.47	497.49	509.06	1	0.24	1 1.02
13c		469.56	480.31	83.19	468.73	488.98	1.02	0.18	1 1.04
13d		2006.19	1980.39	1975.61	1969.7	1987.63	0.99	0.98	0.98 0.99
14a		159.64	160.47	167.29	159.88	168.23	1.01	1.05	1 1.05
14b		73.56	70.77	70.5	73.48	82.82	0.96	0.96	1 1.13
14c		294.36	284.27	302.98	288.22	299.91	0.97	1.03	0.98 1.02
15a		375.23	3190.02	265.64	3255.45	371.39	8.5	0.71	8.68 0.99
15b		24.23	23	22.99	23.6	36.49	0.95	0.95	0.97 1.51
15c		249.86	1322.69	255.5	258.74	267.51	5.29	1.02	1.04 1.07
15d		386.63	1405.5	302.22	301.15	288.36	3.64	0.78	0.78 0.75
16a		100.14	98.54	99.32	101.55	114.02	0.98	0.99	1.01 1.14
16b		8544.47	8663.15	8522.42	8492.74	8443.03	1.01	1	0.99 0.99
16c		799.71	788.99	789.81	799.75	833.67	0.99	0.99	1 1.04
16d		636.41	637.73	637.49	637.3	669.05	1	1	1 1.05
17a		5490.81	5522.69	5571.24	5523.77	5562.17	1.01	1.01	1.01 1.01
17b		3700.71	11697.24	11692.16	11677.06	3878.11	3.16	3.16	3.16 1.05

17c	3746.32	11711.54	11656.45	11794.71	4004.21	3.13	3.11	3.15	1.07
17d	3730.33	11899.49	12023.9	11851.34	3719.91	3.19	3.22	3.18	1
17e	5472.25	5387.35	5510.75	5385.33	5487.74	0.98	1.01	0.98	1
17f	4790.98	11991.14	11956.19	11939.93	12093.82	2.5	2.5	2.49	2.52
18a	3731	11399.02	467.31	10975.99	4154.58	3.06	0.13	2.94	1.11
18b	165.61	157.07	228.76	158.66	174.19	0.95	1.38	0.96	1.05
18c	4698.93	5100.19	4180.13	5121.26	4664.38	1.09	0.89	1.09	0.99
19a	453.76	138255.87	380.09	382.27	399.63	304.69	0.84	0.84	0.88
19b	194.4	1376.92	181.19	181.42	196.76	7.08	0.93	0.93	1.01
19c	910.78	53521.72	807.52	819.7	945.28	58.76	0.89	0.9	1.04
19d	5705.2	2804.41	9015.62	8960.42	8470.84	0.49	1.58	1.57	1.48
20a	1368.95	5070.01	1348.26	1361.02	1328.85	3.7	0.98	0.99	0.97
20b	1174.1	2625.96	728.74	730.19	1163.69	2.24	0.62	0.62	0.99
20c	606.91	2251.98	617.78	621.43	533.33	3.71	1.02	1.02	0.88
21a	49.29	247.11	264.68	266.77	56.5	5.01	5.37	5.41	1.15
21b	43.29	113.61	226.99	222.34	53.8	2.62	5.24	5.14	1.24
21c	43.46	495.3	42.73	44.42	55.99	11.4	0.98	1.02	1.29
22a	246.39	234.56	398.3	232.57	251.59	0.95	1.62	0.94	1.02
22b	169.92	168.47	259.79	168.26	215.63	0.99	1.53	0.99	1.27
22c	926.8	864.53	1064.22	865.01	395.94	0.93	1.15	0.93	0.43
22d	468.71	1578.04	621.48	1579.2	485.88	3.37	1.33	3.37	1.04
23a	165.22	953.2	245.95	244.6	330.08	5.77	1.49	1.48	2
23b	50.48	62.73	241.7	64.16	46.92	1.24	4.79	1.27	0.93
23c	218.16	71989.59	241.44	241.16	582.91	329.98	1.11	1.11	2.67
24a	286.94	265.55	609.75	270.43	265.68	0.93	2.12	0.94	0.93
24b	164.76	21.19	20.88	21.38	43.43	0.13	0.13	0.13	0.26
25a	1406.55	1508.37	1361.78	1512.55	1394.6	1.07	0.97	1.08	0.99
25b	181.13	195.46	176.37	188.49	201.19	1.08	0.97	1.04	1.11
25c	3751.24	3977.13	3989.69	4024.09	4024.92	1.06	1.06	1.07	1.07
26a	712.8	551.94	308.71	548.15	11692.48	0.77	0.43	0.77	16.4
26b	102.48	2396.63	86.29	86.21	131.75	23.39	0.84	0.84	1.29
26c	2237.74	1326.75	617.38	1316.6	37613.38	0.59	0.28	0.59	16.81
27a	39.26	10.44	233.61	12.05	35.55	0.27	5.95	0.31	0.91
27b	33.88	7.58	79.07	9.05	29.96	0.22	2.33	0.27	0.88
27c	43.37	18.3	66.42	19.69	41.07	0.42	1.53	0.45	0.95
28a	466.85	1709.08	610.45	614.66	402.72	3.66	1.31	1.32	0.86
28b	295.27	657.06	599.15	608.71	230.98	2.23	2.03	2.06	0.78
28c	576.19	248524.09	664.63	653.12	444.96	431.32	1.15	1.13	0.77
29a	949.79	118.79	1040.03	121.56	51.12	0.13	1.1	0.13	0.05
29b	927.96	27.45	1016.51	29.75	49.84	0.03	1.1	0.03	0.05
29c	4098.7	181.47	46.11	47.38	3486.97	0.04	0.01	0.01	0.85
30a	1594.47	1555.38	2590.86	2575.53	1968.05	0.98	1.62	1.62	1.23
30b	251.55	244.11	281.56	245.5	249.74	0.97	1.12	0.98	0.99
30c	1365.28	1789.55	3464.43	1848.16	1627.16	1.31	2.54	1.35	1.19
31a	3018.81	1444.09	236.97	1445.18	4159.49	0.48	0.08	0.48	1.38
31b	243.86	240.9	47.72	243.08	278.13	0.99	0.2	1	1.14
31c	4351.2	1382.01	235.76	1363.51	4037.17	0.32	0.05	0.31	0.93
32a	7.47	10.32	7.18	7.35	11.02	1.38	0.96	0.98	1.48
32b	62.99	116.88	62.97	62.82	133.19	1.86	1	1	2.11
33a	124.17	23.95	11.27	25.95	42.92	0.19	0.09	0.21	0.35
33b	120.38	20.53	9.72	22.78	42.43	0.17	0.08	0.19	0.35
33c	90.92	33.72	12.68	35.15	47.46	0.37	0.14	0.39	0.52
SUM	115710.8	798600.35	139100.42	154027.11	173464.39	6.9	1.2	1.33	1.5