







2	342	97.87	8.14	84.33	1773	100.20	8.09	86.05	1773	99.32	7.89	86.03	1773	102%	99%	102%	100%	99%	98%	100%	100%
		28.59	8.68	14.98	98	28.12	8.53	14.40	98	29.84	9.76	15.16	98	98%	96%	96%	100%	106%	114%	105%	100%
3	346	96.76	7.14	85.14	1773	95.20	8.31	79.95	1798	98.06	9.41	85.60	1773	103%	106%	109%	100%	100%	100%	100%	100%
		26.25	8.14	12.88	122	28.48	8.45	13.98	122	28.10	7.87	14.34	122	108%	104%	109%	100%	99%	93%	103%	100%
4	354	88.11	8.76	74.34	1777	90.65	8.47	75.15	1777	89.89	9.47	75.16	1777	103%	97%	101%	100%	99%	112%	100%	100%
		28.33	9.21	13.79	84	28.57	8.68	14.76	84	27.38	8.19	14.55	84	101%	94%	107%	100%	96%	94%	99%	100%
5	322	53.80	8.42	38.02	1022	54.08	8.11	38.32	961	54.57	8.61	38.72	961	101%	96%	101%	94%	101%	106%	101%	100%
		27.63	7.95	14.02	71	28.71	8.32	14.73	86	28.64	8.70	15.45	86	104%	107%	105%	100%	107%	114%	105%	100%
6	356	41.65	9.12	27.68	518	43.38	9.67	27.41	518	44.72	10.03	28.19	518	104%	106%	99%	100%	103%	104%	103%	100%
		45.92	8.88	32.06	644	46.10	7.90	32.47	644	47.76	8.77	34.34	644	100%	89%	101%	100%	104%	111%	106%	100%
7	328	88.80	7.98	76.07	1781	90.70	8.87	76.59	1781	92.91	9.03	78.37	1781	102%	111%	101%	100%	102%	102%	102%	100%
		91.98	9.16	77.63	1802	98.24	7.95	83.71	1802	89.52	8.98	74.85	1802	107%	87%	108%	100%	91%	113%	89%	100%
8	340	99.26	8.01	86.14	1786	95.20	8.31	79.95	1798	98.06	9.41	85.60	1798	96%	98%	104%	100%	103%	113%	103%	100%
		26.02	7.54	12.98	82	29.03	8.55	14.55	82	28.09	8.00	14.24	82	112%	113%	112%	100%	97%	101%	98%	100%
9	326	50.11	8.20	35.55	961	54.10	8.82	36.13	909	53.20	9.86	36.37	911	108%	108%	102%	95%	98%	112%	101%	100%
		27.83	8.40	14.66	162	29.06	8.13	15.03	161	32.07	9.41	16.35	159	104%	97%	102%	99%	110%	116%	109%	99%
1	350	100.20	8.01	87.41	1783	99.06	8.70	84.97	1783	98.26	8.67	85.12	1783	99%	109%	97%	100%	99%	100%	100%	100%
		79.29	0.32	78.48	975	81.09	0.33	80.26	975	81.45	0.36	80.54	975	102%	102%	102%	100%	100%	110%	100%	100%
2	378	3.10	0.45	2.18	973	3.25	0.36	2.44	972	24.31	0.32	3.58	952	105%	83%	112%	100%	133%	90%	147%	87%
		93.29	0.32	92.50	1879	94.51	0.37	93.65	1879	93.98	0.34	93.15	1879	101%	113%	101%	100%	99%	92%	99%	100%
3	386	4.19	0.34	3.44	94	4.30	0.35	3.49	94	4.33	0.35	3.56	94	103%	104%	102%	100%	101%	101%	102%	100%
		78.04	0.32	77.27	1881	78.82	0.34	78.05	1881	79.91	0.34	79.11	1881	101%	106%	101%	100%	101%	101%	101%	100%
4	394	67.38	0.33	66.59	1885	67.39	0.33	66.62	1885	68.21	0.34	67.39	1885	100%	98%	100%	100%	101%	105%	101%	100%
		4.23	0.31	3.28	95	4.25	0.36	3.24	95	4.37	0.35	3.54	95	102%	98%	105%	100%	102%	103%	100%	
6	368	31.28	0.35	30.45	1892	26.85	0.34	26.05	1892	26.99	0.39	26.10	1553	86%	97%	86%	100%	101%	114%	100%	82%
		70.09	0.32	69.30	1889	70.15	0.33	69.34	1889	70.51	0.33	69.71	1889	100%	104%	100%	100%	101%	99%	101%	100%
8	366	47.62	0.48	46.56	1927	33.35	0.51	32.31	1927	38.38	0.49	37.33	2009	70%	106%	69%	100%	115%	97%	116%	151%
		10.69	0.35	9.90	1893	11.57	0.34	10.77	1894	7.36	0.36	6.55	1208	108%	99%	109%	100%	64%	104%	61%	64%
9	372	71.49	0.33	70.68	1891	71.23	0.32	70.45	1891	71.56	0.36	70.71	1891	100%	97%	100%	100%	100%	111%	100%	100%
		84.38	0.35	83.56	1881	85.50	0.33	84.73	1881	85.62	0.36	84.79	1881	101%	94%	101%	100%	100%	109%	100%	100%
2	364	0.98	0.36	0.19	110	0.96	0.34	0.19	110	4.39	0.40	3.50	281	98%	96%	99%	100%	457	117%	152%	255%
		111.11	0.55	109.96	1929	107.29	0.56	106.09	1929	108.23	0.58	107.03	1929	97%	101%	96%	100%	101%	104%	101%	100%
5	376	4.11	0.35	3.32	193	4.45	0.44	3.49	195	4.29	0.38	3.43	195	108%	125%	105%	101%	91%	97%	87%	98%
		1.66	0.43	0.82	314	1.69	0.38	0.89	314	4.41	0.39	3.57	543	102%	89%	109%	100%	261%	103%	401%	173%
7	370	18.33	0.55	17.21	973	18.53	0.54	17.39	943	18.59	0.59	17.39	873	103%	100%	103%	100%	100%	100%	100%	100%
		4.26	0.39	3.41	111	4.39	0.41	3.51	111	4.50	0.39	3.62	111	103%	107%	103%	100%	103%	94%	103%	100%
4	400	4.20	0.39	3.41	112	4.34	0.41	3.52	112	4.42	0.40	3.58	112	103%	105%	103%	100%	102%	97%	102%	100%
		100.50	8.22	87.03	975	102.82	9.08	87.25	975	99.73	8.75	84.74	975	102%	110%	100%	100%	97%	96%	97%	100%
1	378	26.17	8.57	12.03	972	27.99	8.41	13.80	972	38.50	8.65	25.32	850	107%	98%	115%	100%	138%	103%	184%	87%
		129.48	8.89	115.36	1879	119.08	8.26	105.24	1879	118.06	8.79	104.60	1879	109%	98%	91%	100%	99%	106%	99%	100%
2	386	27.53	8.33	14.02	94	28.02	8.78	15.78	94	28.86	8.63	15.42	94	109%	105%	113%	100%	96%	98%	98%	100%
		101.05	7.75	88.34	1881	102.16	8.39	88.93	1881	105.04	9.05	91.07	1881	101%	108%	101%	100%	103%	108%	102%	100%
4	398	91.10	8.15	77.32	1885	91.66	7.78	78.26	1885	93.22	9.28	79.74	1885	101%	95%	101%	100%	102%	119%	102%	100%
		27.93	8.47	14.10	92	27.86	7.86	14.82	92	28.14	8.14	15.21	92	100%	93%	105%	100%	101%	104%	103%	100%
6	368	50.67	8.09	38.26	1892	50.61	7.83	37.71	1892	60.54	9.31	45.50	1558	100%	97%	99%	100%	120%	119%	121%	82%
		91.77	6.98	79.21	1889	93.80	8.53	89.34	1889	95.34	8.28	81.94	1889	102%	122%	105%	100%	102%	97%	102%	100%
8	366	72.46	9.23	56.65	1927	59.39	8.46	42.68	1927	68.89	9.22	53.65	2029	82%	92%	75%	100%	116%	109%	126%	152%
		39.48	9.06	25.70	1894	40.92	9.22	25.23	1894	36.47	8.89	21.98	1174	104%	102%	98%	100%	89%	96%	87%	62%
9	390	101.57	8.01	88.74	1881	102.25	8.41	87.63	1881	94.29	6.68	81.96	1891	101%	105%	99%	100%	92%	79%	94%	100%
		107.51	7.78	94.50	1881	110.22	9.54	95.36	1881	109.92	8.74	96.57	1881	103%	123%	101%	100%	100%	92%	101%	100%
2	394	17.90	8.57	3.82	110	18.85	8.24	3.46	110	30.70	9.16	15.53	281	105%	96%	90%	100%	163%	111%	108%	255%
		136.19	8.88	121.83	1929	134.34	8.13	118.89	1929	135.20	9.25	118.55	1929	109%	96%	100%	100%	101%	106%	101%	100%
5	376	27.52	8.43	14.42	193	29.22	8.51	14.35	195	29.93	8.70	15.37	195	106%	101%	100%	101%	102%	102%	107%	100%
		20.17	8.66	6.19	314	22.25	9.25	6.18	314	29.40	9.10	15.03	543	110%	107%	100%	100%	132%	98%	243%	173%
7	370	44.33	8.62	27.73	734	43.65	8.52	27.55	642	45.25	9.05	28.58	643	98%	99%	99%	100%	104%	106%	104%	100%
		39.80	27.99	8.61	14.81	111	28.31	8.57	14.17	111	28.87	9.23	14.99	111	101%	100%	96%	100%	102%	108%	106%
9	400	29.40	8.10	14.03	112	29.15	8.57	14.07	112	29.25	8.96	14.40	112	104%	104%	100%	100%	91%	96%	91%	100%
		87.31	0.33	86.47	1960	90.42	0.31	89.58	1959	88.06	0.38	87.17	1959	104%	95%	104%	100%	97%	122%	97%	100%
3	404																				











						8	876	90.44	0.30	89.68	5277	77.93	0.32	77.15	5277	81.99	0.33	81.18	5277	86%	106%	86%	100%	105%	103%	105%	100%
						890	78.48	0.30	77.74	5277	82.38	0.32	81.61	5277	78.86	0.36	78.01	5277	105%	106%	105%	100%	96%	112%	96%	100%	
						894	1.90	0.34	1.17	176	1.73	0.36	0.97	176	1.23	0.35	1.01	250	91%	104%	83%	100%	80%	98%	23%	147%	
						860	91.53	0.69	90.12	2712	99.57	0.71	98.16	2712	97.49	0.84	95.83	2712	109%	103%	109%	100%	98%	119%	98%	100%	
						862	110.53	0.32	109.73	2671	118.89	0.38	117.94	2671	113.61	0.33	112.77	2671	108%	120%	107%	100%	96%	86%	96%	100%	
						870	91.71	0.37	90.79	2691	97.51	0.35	96.57	2691	92.84	0.38	91.93	2691	106%	96%	106%	100%	100%	107%	95%	100%	
						896	83.76	0.40	82.86	5278	84.93	0.38	84.09	5278	84.93	0.43	83.99	5278	101%	95%	101%	100%	100%	113%	100%	100%	
						872	90.75	0.34	89.92	5270	92.24	0.33	91.43	5270	92.20	0.38	91.34	5270	102%	97%	102%	100%	100%	114%	100%	100%	
						878	0.74	0.32	0.07	77	0.86	0.37	0.09	77	0.77	0.34	0.06	77	115%	115%	117%	100%	90%	91%	75%	100%	
						858	98.36	1.16	96.30	5315	26.23	1.16	24.16	5315	25.40	1.16	23.30	8826	27%	101%	25%	100%	97%	100%	96%	166%	
						850									53.05	0.40	52.10	6028									
						848	115.90	7.79	103.39	5282	121.86	9.12	106.45	5282	117.82	8.67	104.36	5282	105%	117%	103%	100%	97%	95%	98%	100%	
						864	117.60	8.08	102.12	5309	121.21	9.49	108.80	5309	122.09	8.45	105.37	5309	103%	117%	104%	100%	101%	89%	100%	100%	
						874	103.30	7.94	88.52	5284	103.03	7.78	88.66	5284	104.37	8.31	90.83	5284	100%	98%	100%	100%	101%	107%	102%	100%	
						842	99.80	6.80	87.56	5271	104.41	8.06	91.40	5271	103.82	7.82	90.89	5271	105%	119%	104%	100%	99%	97%	99%	100%	
						854	42.83	8.13	29.51	2665	47.09	8.82	31.91	2665	130.92	8.98	117.31	3091	110%	109%	108%	100%	278%	102%	368%	116%	
						844	99.43	8.96	81.54	5315	99.40	9.91	82.05	5315	98.88	9.63	82.08	5315	100%	111%	101%	100%	99%	97%	100%	100%	
						856	107.44	9.06	91.09	5315	113.86	9.24	96.75	5315	109.72	9.35	94.99	5315	106%	102%	106%	100%	96%	101%	98%	100%	
						868	79.45	8.19	63.34	3129	89.05	9.33	71.99	2574	75.94	8.44	58.81	2569	112%	114%	114%	100%	85%	90%	82%	100%	
						876	108.17	6.86	96.29	5277	116.32	8.95	101.82	5277	108.28	8.72	94.90	5277	108%	130%	106%	100%	93%	97%	93%	100%	
						880	109.48	7.35	96.77	5277	123.08	8.93	108.35	5277	112.35	8.22	99.69	5277	112%	122%	112%	100%	91%	92%	92%	100%	
						846	19.55	8.14	5.03	176	20.07	7.80	5.12	176	21.64	8.64	7.65	259	103%	96%	102%	100%	108%	111%	150%	147%	
						860	126.05	8.85	108.27	2712	129.60	8.71	113.07	2712	127.70	8.77	110.99	2712	103%	98%	104%	100%	99%	101%	98%	100%	
						862	142.82	8.01	128.98	2671	147.70	7.44	133.95	2671	141.06	8.21	127.68	2671	103%	93%	104%	100%	96%	110%	95%	100%	
						870	123.59	8.21	108.71	2691	128.41	8.45	113.05	2691	124.63	8.49	110.07	2691	104%	103%	104%	100%	97%	98%	97%	100%	
						866	113.41	7.87	100.18	5278	118.74	8.64	104.51	5278	115.45	7.66	102.80	5278	105%	110%	104%	100%	97%	97%	98%	100%	
						872	121.50	7.14	109.40	5270	124.28	8.30	110.77	5270	122.51	8.66	109.20	5270	102%	116%	101%	100%	99%	104%	99%	100%	
						878	15.83	8.20	2.65	77	17.10	9.04	1.88	77	16.60	9.21	1.66	77	108%	110%	71%	100%	97%	102%	88%	100%	
						858	133.37	9.53	116.64	5315	67.89	8.72	51.31	5315	61.02	8.50	45.22	7730	51%	92%	44%	100%	90%	98%	88%	145%	
						850									86.63	8.48	73.73	8931									
						912	21.91	0.39	21.04	4987	24.92	0.33	24.11	4986	116.21	0.35	115.33	9882	114%	86%	115%	100%	46%	106%	47%	198%	
						918	20.76	0.34	19.95	4987	24.55	0.34	23.71	4986	3.60	0.35	2.86	3102	118%	100%	119%	100%	45%	103%	12%	62%	
						914	21.66	0.46	20.65	5018	24.99	0.42	23.98	5021	120.21	0.39	119.24	9922	115%	92%	116%	100%	481%	93%	497%	198%	
						912	65.93	8.04	52.33	4987	72.09	8.36	58.23	4986	161.80	9.46	146.42	9882	109%	104%	111%	100%	224%	113%	251%	199%	
						918	54.96	7.39	54.06	4987	80.47	9.01	65.23	4986	171.24	8.47	155.83	3102	118%	117%	119%	100%	213%	105%	239%	62%	
						914	67.03	9.01	52.01	5018	78.43	9.46	62.62	5021	166.43	8.22	151.89	9922	117%	105%	120%	100%	212%	87%	243%	198%	
						934									164.40	0.45	163.44	6220									
						948									136.70	1.01	134.86	13858									
						958									3.62	0.35	2.86	3104									
						938					46.34	1.15	44.25	12193	121.57	1.18	119.43	12330					262%	102%	270%	101%	
						954	24.54	0.41	23.58	6141	27.68	0.42	26.70	6141	119.62	0.40	118.66	12185	113%	104%	113%	100%	452%	96%	444%	198%	
						934									210.56	8.46	197.24	6220									
						948									186.30	8.85	169.13	13450									
						958									193.92	8.46	179.81	3104									
						938					126.78	9.67	109.66	12193	171.01	9.57	154.20	12340					135%	99%	141%	101%	
						954	74.71	8.40	60.64	6141	85.38	7.86	70.58	6141	176.49	8.36	161.33	12185	114%	94%	116%	100%	207%	106%	229%	198%	
						853	12.94	0.41	12.03	3289	14.79	0.40	13.84	3289													
						845	2.43	0.52	1.41	240	1.82	0.43	1.01	240	1.27	0.49	0.35	323	75%	83%	72%	100%	70%	113%	35%	135%	
						851	93.85	1.64	90.95	18313	97.00	1.90	93.76	29730	95.47	1.64	92.55	29730	103%	116%	103%	100%	98%	86%	99%	100%	
						877	0.83	0.41	0.06	114	0.82	0.41	0.07	114	0.85	0.42	0.06	114	101%	99%	109%	100%	103%	104%	89%	100%	
						853	159.79	9.03	145.25	3284	162.11	8.43	147.78	3284									101%	83%	102%	100%	
						845	28.78	0.96	22.62	138	27.12	1.41	11.41	318	28.34	1.03	27.12	318	101%	109%	100%	100%	105%	111%	102%	135%	
						851	207.55	10.04	189.59	18308	324.15	10.95	305.53	29725	317.97	10.63	297.65	29725	156%	109%	161%	100%	96%	97%	97%	100%	
						877	16.02	8.86	1.51	109	16.97	9.28	1.80	109	17.98	9.67	1.98	109	106%	105							



8	index-only-sc	cached	1	0	1126	93.68	0.60	92.41	966	94.42	0.58	93.21	966	93.96	0.58	92.72	966	101%	97%	101%	100%	100%	101%	99%	100%		
				1	1136	9.20	1.12	7.28	754	8.42	0.94	6.72	787	7.49	0.83	5.96	497	91%	84%	92%	86%	89%	88%	89%	100%		
					1132	2.04	0.31	1.24	78	4.04	0.32	1.22	78	4.16	0.31	2.45	78	102%	104%	103%	100%	100%	97%	104%	100%		
					1154	80.95	0.44	80.00	1802	81.52	0.39	80.61	1802	81.18	0.42	80.22	1802	101%	98%	100%	100%	100%	100%	108%	100%	100%	
				2	1122	7.09	0.62	5.93	811	7.47	0.66	6.19	606	7.18	0.63	5.96	606	105%	106%	104%	75%	96%	96%	96%	100%		
					1134	54.48	1.39	52.13	1827	55.25	1.32	52.92	1827	55.01	1.39	52.57	1827	101%	95%	102%	100%	100%	105%	99%	100%		
					1152	17.05	0.36	16.25	440	17.23	0.39	16.43	443	17.16	0.40	16.33	444	101%	105%	101%	101%	100%	105%	99%	100%		
				3	1124	63.48	0.96	61.77	1828	62.79	0.97	61.08	1829	62.18	0.93	60.52	1829	99%	98%	102%	100%	99%	98%	99%	100%		
					1138	62.76	0.32	62.00	1787	62.95	0.30	62.21	1787	63.22	0.31	62.48	1787	100%	93%	100%	100%	100%	104%	100%	100%		
					1142	3.89	0.32	3.19	78	4.00	0.35	3.27	78	4.09	0.32	3.39	78	103%	110%	102%	100%	102%	91%	104%	100%		
					1144	62.30	0.38	61.44	1802	63.88	0.35	63.07	1802	62.32	0.36	61.47	1802	103%	92%	103%	100%	98%	105%	97%	100%		
					1146	48.62	0.79	47.15	1829	48.31	0.77	46.86	1829	48.28	0.77	46.81	1829	99%	97%	99%	100%	100%	101%	100%	100%		
					1150	62.92	0.32	62.15	1787	62.92	0.31	62.17	1787	63.06	0.31	62.31	1787	100%	98%	100%	100%	100%	98%	100%	100%		
				4	1130	19.98	1.22	17.85	2963	20.07	1.20	17.90	1190	20.34	1.26	17.94	1190	100%	98%	100%	100%	100%	101%	113%	100%		
					1148	64.34	0.33	63.56	1789	64.53	0.31	63.75	1789	64.17	0.32	63.41	1789	100%	93%	100%	100%	99%	105%	99%	100%		
					1140	3.92	0.35	3.17	78	4.06	0.32	3.36	78	4.11	0.31	3.42	78	104%	93%	106%	100%	101%	96%	102%	100%		
				7	1128	7.01	0.35	6.50	168	7.61	0.33	6.85	168	7.74	0.37	6.91	169	104%	92%	105%	100%	102%	114%	101%	100%		
					1156	4.31	0.30	3.90	78	4.06	0.32	3.36	78	4.13	0.31	3.40	78	101%	98%	102%	100%	102%	97%	101%	100%		
					1160	63.06	1.32	60.76	1837	62.41	1.31	60.11	1837	64.65	1.32	62.33	1837	99%	99%	99%	100%	104%	101%	104%	100%		
					1158	4.41	0.41	3.58	104	4.46	0.41	3.59	104	4.63	0.36	3.82	104	101%	101%	100%	100%	104%	89%	107%	100%		
				not-cached	1	1126	113.42	8.53	98.59	966	118.01	9.54	100.04	966	118.10	8.56	100.61	966	104%	112%	101%	100%	100%	100%	90%	101%	100%
					1136	32.01	8.55	17.07	754	35.09	8.41	17.95	497	34.26	9.19	16.91	497	110%	98%	105%	66%	98%	109%	94%	100%		
					1132	26.83	7.83	13.33	78	27.22	7.65	14.22	78	28.29	8.48	14.70	78	109%	98%	107%	100%	104%	111%	103%	100%		
					1154	103.08	8.64	90.08	1802	106.50	9.77	89.67	1802	108.88	10.41	91.58	1802	103%	103%	103%	100%	104%	104%	106%	100%		
				2	1122	36.53	8.68	22.04	821	41.84	9.03	25.42	603	43.75	9.50	28.14	610	115%	104%	115%	73%	105%	105%	111%	101%		
					1134	81.10	9.64	62.65	1827	82.86	9.84	64.32	1827	81.58	10.60	64.17	1827	102%	102%	103%	100%	98%	108%	100%	100%		
					1152	38.57	8.41	25.38	439	39.57	9.27	25.11	444	39.30	9.76	24.58	444	103%	110%	99%	101%	99%	105%	98%	100%		
				3	1124	87.89	8.51	72.22	1829	88.62	8.76	71.66	1829	87.73	9.19	71.35	1829	101%	103%	99%	100%	99%	105%	100%	100%		
					1138	85.35	7.81	72.35	1787	85.05	7.57	72.13	1787	87.63	7.96	74.58	1787	100%	97%	100%	100%	102%	105%	100%	100%		
					1142	27.40	8.20	14.38	78	28.85	8.57	14.44	78	28.24	9.66	15.36	78	105%	104%	103%	100%	98%	91%	106%	100%		
					1144	84.90	7.82	71.99	1802	84.83	8.33	71.16	1802	87.47	9.66	72.65	1802	100%	107%	99%	100%	99%	116%	102%	100%		
					1146	74.77	8.94	58.30	1829	74.20	8.76	58.48	1829	74.72	9.17	58.73	1829	99%	98%	100%	100%	101%	105%	100%	100%		
					1150	84.70	7.30	72.12	1787	86.31	8.43	72.85	1787	86.45	8.30	73.15	1787	102%	116%	101%	100%	100%	98%	100%	100%		
				4	1130	44.85	9.21	27.36	3013	44.66	9.37	26.72	1196	44.83	9.66	26.86	1194	100%	102%	98%	100%	100%	103%	101%	100%		
					1148	88.80	7.37	75.31	1789	87.79	8.31	74.56	1789	89.22	8.69	75.56	1789	99%	96%	102%	100%	102%	103%	142%	100%		
					1140	27.66	8.10	15.24	78	27.15	8.36	13.83	78	30.18	10.59	14.41	78	98%	103%	91%	100%	111%	127%	104%	100%		
				7	1128	28.73	8.26	15.35	169	29.35	8.79	14.77	169	29.62	9.28	15.75	169	102%	106%	96%	100%	101%	106%	107%	100%		
					1156	27.34	8.41	13.80	78	27.33	8.48	13.85	78	29.28	9.52	14.18	78	100%	101%	100%	100%	107%	112%	102%	100%		
					1160	85.52	9.22	69.99	1837	84.34	9.77	75.30	1837	89.75	10.18	71.63	1837	110%	106%	108%	100%	95%	104%	95%	100%		
				8	1158	28.25	8.98	13.85	104	29.46	9.76	13.93	104	30.14	10.51	14.44	104	104%	109%	101%	100%	102%	108%	104%	100%		
					1166	99.89	0.59	98.61	1464	102.15	0.59	100.85	1464	102.15	0.64	99.87	1464	102%	103%	102%	100%	99%	105%	99%	100%		
				2	1162	36.83	0.59	35.66	2811	14.66	0.61	13.42	2811	15.58	0.65	14.33	3484	40%	104%	98%	100%	106%	105%	107%	124%		
					1178	67.26	0.32	66.46	2777	67.72	0.33	66.92	2777	68.26	0.31	67.50	2777	101%	105%	101%	100%	101%	94%	101%	100%		
					1182	3.95	0.32	3.23	86	4.12	0.38	3.30	86	4.19	0.35	3.45	86	104%	109%	102%	100%	102%	92%	105%	100%		
					1184	66.42	0.35	65.57	2792	66.79	0.38	65.91	2792	66.99	0.37	66.14	2792	101%	109%	101%	100%	102%	97%	100%	100%		
				4	1188	67.90	0.32	67.95	2778	68.27	0.32	68.46	2778	68.72	0.31	69.38	2778	101%	109%	103%	100%	101%	99%	101%	100%		
					1168	7.34	0.33	6.54	293	8.02	0.36	7.18	293	7.72	0.35	6.93	293	109%	110%	110%	100%	96%	96%	96%	100%		
					1196	4.13	0.37	3.31	84	4.05	0.36	3.30	84	4.15	0.31	3.45	84	98%	97%	100%	100%	103%	107%	105%	100%		
					1198	5.77	0.34	4.98	1425	6.58	0.34	5.75	1425	8.34	0.39	7.47	2445	114%	98%	115%	100%	127%	116%	130%	172%		
				2	1176	109.93	0.92	108.16	1466	112.99	0.92	111.21	1466	110.02	0.90	108.31	1466	103%	100%	103%	100%	97%	98%	97%	100%		
					1172	51.92	0.37	51.06	2779	52.64	0.39	51.73	2779	53.52	0.39	52.63	2779	101%	106%	101%	100%	100%	100%	100%	100%		
					1194	99.52	0.41	98.62	2788	100.63	0.41	99.69	2788	100.18	0.38	99.26	2788	101%	103%	101%	100%	100%	94%	100%			



not-cached	1	0	1284	14.81	7.20	1.63	71	18.49	8.88	1.84	71	18.49	8.87	2.28	71	125%	123%	113%	100%	82%	92%	124%	100%	
			1292	35.82	9.48	18.08	2624	36.39	9.19	18.47	1629	36.70	9.84	17.86	1629	102%	97%	102%	100%	101%	107%	97%	100%	
			1318	99.42	8.07	85.89	950	102.86	10.89	84.81	950	106.15	8.43	85.60	950	103%	126%	99%	100%	98%	77%	101%	100%	
			1282	26.52	7.94	14.11	78	27.37	8.04	14.22	78	28.31	8.66	15.21	78	103%	101%	101%	100%	103%	108%	107%	100%	
			1296	44.76	8.23	30.87	509	47.13	9.43	30.63	509	45.48	9.24	30.90	509	105%	115%	99%	100%	96%	98%	101%	100%	
			1302	123.17	8.47	107.78	1847	124.48	8.82	108.36	1847	124.17	9.05	107.99	1847	101%	104%	101%	100%	100%	103%	100%	100%	
			1320	109.41	9.27	93.86	1824	110.17	9.02	94.85	1824	110.76	9.97	95.48	1824	101%	97%	101%	100%	101%	111%	101%	100%	
			1290	43.95	9.31	25.84	6396	42.74	9.28	24.63	3274	43.68	10.71	25.51	3284	97%	100%	95%	100%	102%	115%	104%	100%	
			1298	29.19	8.22	15.21	198	30.65	9.02	15.66	198	29.25	8.41	15.80	198	105%	110%	103%	100%	95%	93%	101%	100%	
			1312	84.98	8.34	71.79	1824	85.41	8.01	71.72	1824	90.44	14.06	71.67	1824	101%	96%	100%	100%	106%	175%	100%	100%	
4	0	0	1286	26.28	7.99	13.21	78	28.67	8.36	13.84	78	27.70	7.81	14.61	78	109%	105%	105%	100%	97%	93%	106%	100%	
			1308	27.04	7.89	13.87	78	27.62	8.47	14.37	78	29.59	10.00	14.99	78	102%	107%	104%	100%	107%	118%	104%	100%	
			1288	95.98	8.91	79.45	1855	96.50	8.38	80.18	1855	95.21	8.81	79.50	1855	101%	94%	101%	100%	99%	103%	99%	100%	
			1300	89.33	8.37	75.54	1813	90.26	8.62	75.76	1813	89.76	8.81	75.23	1813	101%	103%	100%	100%	99%	102%	101%	100%	
			1304	95.50	9.78	79.25	1855	95.69	9.38	78.68	1855	94.92	9.04	78.44	1855	100%	96%	99%	100%	99%	96%	100%	100%	
			1306	45.94	8.16	32.30	623	44.53	8.39	31.09	623	46.12	8.64	32.43	623	97%	103%	96%	100%	104%	103%	104%	100%	
			1310	42.45	8.15	28.50	544	42.69	8.52	28.53	544	43.62	9.08	29.99	544	101%	105%	100%	100%	102%	107%	105%	100%	
			1316	89.01	10.30	73.29	1832	88.50	9.22	73.15	1832	89.29	9.76	73.62	1832	99%	89%	100%	100%	101%	106%	101%	100%	
			1294	40.62	9.14	24.59	2163	42.12	9.89	24.01	1530	43.02	8.44	23.55	1536	104%	108%	98%	100%	104%	85%	119%	100%	
			1314	27.50	8.55	13.52	78	27.74	8.39	13.71	78	28.13	8.23	13.14	78	101%	98%	101%	100%	101%	98%	110%	100%	
2	cached	1	1332	13.43	1.59	10.29	2932	13.31	1.53	10.33	2518	13.93	1.62	10.73	2518	99%	96%	100%	100%	105%	106%	104%	100%	
			1322	20.24	0.32	19.45	3893	23.69	0.32	22.89	3893	19.23	0.32	18.43	11457	117%	100%	118%	100%	81%	98%	81%	294%	
			1336	28.73	0.33	27.91	1964	27.98	0.36	27.16	1964	28.14	0.38	27.27	1964	97%	106%	97%	100%	101%	108%	100%	100%	
			1338	8.19	0.35	7.40	563	8.28	0.38	7.43	563	8.50	0.34	7.72	563	101%	111%	100%	100%	103%	89%	104%	100%	
			1326	3.88	0.32	3.17	86	4.08	0.35	3.38	86	4.14	0.38	3.45	86	105%	109%	106%	100%	101%	90%	102%	100%	
			1348	22.58	0.38	21.65	3893	23.64	0.32	22.80	3893	20.97	0.36	20.07	11457	105%	85%	105%	100%	89%	112%	88%	294%	
			1354									19.52	0.31	18.73	11457									
			1330	13.64	1.64	10.48	6395	17.74	1.63	14.57	5158	18.09	1.82	14.63	5182	130%	100%	139%	81%	102%	111%	100%	100%	
			1344	20.72	0.59	19.49	1481	20.67	0.62	19.40	1481	21.06	0.63	19.76	1481	100%	105%	99%	100%	102%	101%	102%	100%	
			1334	1.64	0.80	0.12	123	1.61	0.82	0.07	117	1.87	0.94	0.08	117	98%	102%	96%	100%	116%	115%	115%	100%	
not-cached	1	0	1332	110.98	10.21	91.59	2932	111.97	9.81	93.21	2518	116.76	10.25	98.41	2518	101%	96%	102%	100%	104%	104%	106%	100%	
			1322	58.81	8.39	43.76	3893	62.57	7.73	49.24	3893	60.25	8.90	46.49	11457	106%	92%	113%	100%	96%	115%	92%	294%	
			1336	54.01	7.48	41.14	1964	53.00	8.13	39.10	1964	54.21	8.96	40.93	1964	98%	109%	95%	100%	102%	110%	105%	100%	
			1338	32.38	7.78	18.64	564	34.11	8.64	19.32	564	31.82	8.76	17.96	564	105%	111%	104%	100%	93%	101%	93%	100%	
			1346	26.05	7.93	13.33	86	31.85	8.90	16.35	86	27.81	8.48	15.69	86	122%	112%	123%	100%	87%	96%	96%	100%	
			1348	58.68	8.02	44.72	3893	63.35	7.93	49.69	3893	60.54	8.79	46.13	11457	108%	99%	111%	100%	96%	111%	93%	294%	
			1354									61.24	8.42	46.83	11457									
			1330	82.73	9.86	63.89	6712	118.81	10.53	98.95	5057	105.44	9.38	87.37	5080	144%	107%	155%	75%	89%	89%	88%	100%	
			1344	48.19	10.05	31.16	1482	49.51	10.32	31.83	1483	47.70	10.54	31.25	1481	103%	103%	102%	100%	96%	102%	98%	100%	
			1334	17.95	9.34	1.02	123	17.21	8.37	0.73	117	17.24	8.84	0.93	117	96%	90%	94%	95%	100%	106%	97%	100%	
3	cached	1	1372				165.62	1.51	162.63	945	236.67	1.67	235.44	5098										
			1362	3.97	0.33	3.27	91	4.11	0.32	3.40	90	4.15	0.34	3.39	90	103%	97%	104%	99%	101%	108%	100%	100%	
			1370	22.73	1.86	19.14	7050	21.09	1.62	17.98	5680	20.00	1.66	16.83	5685	93%	87%	94%	81%	95%	102%	94%	100%	
			1378									83.08	0.37	82.23	10088									
			1388									20.84	0.37	19.98	14796									
			1374									81.67	0.85	80.01	10762									
			1394	4.01	0.33	3.30	93	4.16	0.35	3.40	92	4.15	0.36	3.40	92	104%	106%	103%	99%	100%	100%	100%	100%	
			1372					212.89	9.96	195.23	5045	285.54	10.71	267.06	5098									
			1362	27.28	8.32	14.25	91	28.06	8.41	15.02	90	28.80	9.34	14.81	90	103%	101%	105%	99%	103%	111%	99%	100%	
			1370	146.13	9.64	128.46	7261	119.63	9.45	100.88	5742	119.87	10.18	101.74	5777	82%	98%	79%	79%	100%	108%	101%	101%	
not-cached	1	0	1378								130.27	8.96	116.22	10084										
			1388								76.03	9.09	61.85	14796										
			1374								129.50	9.51	112.80	10802										
			1394	28.03	8.55	14.45	93	29.05	8.73	14.56	92	29.31	9.09	15.04	92	104%	102%	101%	99%	101%	104%	103%	100%	
			1402	26.27	0.41	25.29	6110	26.43	0.34	25.54	6110	160.49	0.34	159.63	6122	101%	82%	101%	100%	100%	807%	101%	82%	100%
			1418									85.43	0.36	84.53	12286									
			1406									140.29	0.49	139.43	6178									
			1428									21.94	0.35	21.07	18048									
			1410	17.87	1.64	14.65	6477	22.68	1.69	19.45	5555	23.12	1.75	19.82	5558	127%	103%	133%	86%	102%	103%	102%	100%	
			1414	5.07	0.87	3.42	142	1.69	0.83	0.12	134	1.73	0.83	0.14	137	33%	95%	95%	4%	94%	102%	99%	121%	102%
not-cached	1	0	1434								155.70	1.37	153.02	6188										
			1402	73.33	8.02	59.96	6110	79.97	8.07	65.99	6110	134.19	8.42	121.03	12286	109%	101%	110%	100%	263%	105%	297%	100%	
			1418									188.58	9.10	174.32	6178									
			1428									78.41	8.55	64.37	18048									
			1410	161.65	10.03	144.44	6770	202.49	11.28	182.62	5399	227.20	10.28	208.61	5419	125%	112%	126%	80%	112%	91%	114%	100%	
			1414	30.49	8.64	14.07	142	18.99	8.66	2.10	134	18.86	8.49	1.94	137	62%	100%	100%	94%	99%	98%	92%	102%	
			1434									205.03	10.04	187.61	6188									
			1321	22.13	0.42	21.22	4021	24.83	0.43	23.89	4021	19.32	0.40	18.41	11585	112%	101%	113%	100%	78%	95%	77%	288%	
			1347	22.85	0.48	21.83	4032	24.20	0.43	23.23	4032	19.84	0.41	18.94	11596	106%	91%	106%	100%					





chart - optimal

						1676	90.89	10.30	72.60	6350	91.82	10.52	74.56	6350	93.62	10.49	73.36	6350	101%	102%	103%	100%	102%	100%	98%	100%
						1654									106.70	9.65	91.24	8987								
						1664	28.22	8.31	14.93	109	29.19	8.92	14.67	109	27.96	8.09	14.67	108	103%	107%	98%	100%	96%	101%	100%	100%
						1706									33.77	0.39	32.88	8893								
						1694	44.58	0.38	43.79	4825	43.45	0.37	42.62	4824	44.03	0.38	43.17	4825	97%	98%	97%	100%	101%	102%	101%	100%
						1692	38.17	0.45	37.20	4976	42.87	0.43	41.92	4975	130.91	0.44	129.93	6349	112%	95%	113%	100%	305%	104%	310%	128%
						1690	0.82	0.37	0.07	95	0.91	0.38	0.09	94	0.88	0.36	0.11	103	110%	104%	129%	99%	97%	94%	125%	110%
						1686	21.35	0.42	20.45	2637	21.24	0.42	20.31	2642	21.54	0.42	20.55	2643	99%	101%	99%	100%	101%	101%	101%	100%
						1706									125.07	8.75	110.61	8713								
						1694	74.69	9.39	60.34	4825	76.45	8.87	61.31	4824	77.86	9.66	62.61	4824	102%	94%	102%	100%	102%	109%	102%	100%
						1692	83.41	8.56	68.35	4976	89.80	8.37	74.96	4975	180.76	9.11	165.64	6349	108%	98%	110%	100%	201%	109%	221%	128%
						1690	16.59	8.80	2.14	95	15.94	8.18	2.06	94	17.50	9.32	2.12	103	96%	93%	96%	99%	110%	114%	103%	110%
						1696	47.38	8.60	33.40	2637	48.57	8.24	34.87	2643	48.33	8.77	33.80	2642	103%	96%	104%	100%	100%	107%	97%	100%
						1728									16.92	0.42	16.06	10867								
						1734									150.60	0.42	149.56	12419								
						1744									122.50	0.39	121.52	8985								
						1732	44.70	0.50	43.55	6138	45.68	0.41	44.69	6138	45.37	0.41	44.35	6214	102%	81%	103%	100%	99%	101%	99%	101%
						1728									133.60	8.83	119.27	10867								
						1734									205.37	10.30	189.98	12428								
						1744									183.62	9.65	167.75	8985								
						1732	94.12	8.10	80.96	6138	115.01	8.59	99.32	6138	124.46	8.08	110.12	6214	122%	106%	123%	100%	108%	94%	111%	101%
						1647	15.78	0.39	14.94	3371	18.52	0.39	17.63	3371	15.66	0.41	14.71	7281	117%	100%	118%	100%	85%	104%	83%	216%
						1649	0.91	0.42	0.07	124	0.96	0.49	0.07	124	0.93	0.46	0.05	124	105%	116%	91%	100%	97%	94%	79%	100%
						1647	107.91	9.61	92.98	3366	106.72	9.49	90.45	3366	123.96	10.30	107.91	7283	99%	99%	98%	100%	116%	108%	119%	216%
						1649	17.07	9.23	1.24	119	18.62	8.45	1.14	119	17.74	10.83	1.22	119	97%	92%	92%	100%	107%	128%	107%	100%
						1689	0.90	0.46	0.06	133	0.96	0.45	0.08	132	0.99	0.46	0.10	141	107%	98%	140%	99%	102%	103%	125%	107%
						1687									386.53	1.49	383.83	81207								
						1711									120.27	2.65	115.81	106713								
						1689	16.84	9.37	1.95	128	17.68	9.10	1.93	127	18.33	10.08	1.95	130	105%	97%	99%	99%	104%	111%	101%	107%
						1687									538.38	10.48	517.70	81207								
						1711									483.88	11.34	463.09	106708								
						1727									16.95	0.42	16.03	11078								
						1743									126.41	0.48	125.36	9111								
						1729									377.28	3.57	371.28	60384								
						1751									183.47	3.71	187.32	55927								
						1727									177.45	10.12	161.51	11071								
						1743									224.48	10.09	208.27	9106								
						1729									722.54	13.35	701.02	60379								
						1751									587.69	14.06	566.40	55922								
						1794	76.21	0.31	75.41	941	79.18	0.32	78.32	941	77.05	0.33	76.22	941	104%	101%	104%	100%	97%	103%	97%	100%
						1798	0.71	0.30	0.05	71	0.82	0.33	0.08	71	0.78	0.33	0.07	71	114%	110%	157%	100%	95%	101%	89%	100%
						1780	97.64	0.70	96.27	1859	100.51	0.71	99.12	1859	97.44	0.69	96.04	1859	103%	102%	103%	100%	97%	97%	97%	100%
						1786	6.04	0.37	5.24	176	6.15	0.41	5.32	176	6.16	0.40	5.35	176	102%	111%	102%	100%	100%	98%	101%	100%
						1762	75.92	0.32	75.14	1819	75.84	0.33	75.08	1819	76.28	0.36	75.46	1819	100%	103%	100%	100%	101%	108%	101%	100%
						1764	74.51	0.41	73.64	1838	75.65	0.39	74.75	1838	75.54	0.46	74.57	1838	102%	96%	102%	100%	100%	118%	100%	100%
						1784	5.96	0.34	5.00	163	5.94	0.33	5.14	163	5.95	0.35	5.15	163	97%	103%	97%	100%	100%	107%	100%	100%
						1790	75.43	0.38	74.55	1834	76.09	0.39	75.23	1834	75.64	0.40	74.77	1834	101%	101%	101%	100%	99%	102%	99%	100%
						1796	75.38	0.37	74.56	1819	75.59	0.33	74.81	1819	75.88	0.34	75.11	1819	100%	89%	100%	100%	100%	102%	100%	100%
						1800	66.66	1.69	63.79	1863	66.11	1.70	63.22	1863	66.42	1.69	63.56	1863	99%	100%	99%	100%	100%	100%	101%	100%
						1768	15.73	0.36	14.88	446	15.89	0.33	15.10	446	16.00	0.38	15.17	446	101%	101%	90%	101%	100%	101%	116%	100%
						1774	3.95	0.30	3.24	78	4.05	0.32	3.32	78	4.18	0.33	3.44	78	102%	107%	102%	100%	103%	102%	104%	100%
						1778	64.72	0.38	63.87	1844	64.82	0.38	63.94	1844	64.84	0.38	63.95	1844	100%	101%	100%	100%	100%	109%	100%	100%
						1792	65.36	0.31	64.59	1825	65.40	0.34	64.60	1825	65.84	0.35	65.03	1825	100%	109%	100%	100%	101%	103%	101%	100%
						1776	66.89	0.31	65.99	1827	66.66	0.31	65.90	1827	66.36	0.35	65.56	1827	100%	98%	100%	100%	100%	114%	99%	100%
						1766	76.70	2.45	72.61	1871	72.18	2.44	68.14	1871	75.53	2.53	71.40	1871	94%	100%	94%	100%	105%	103%	105%	100%
						1770	67.18	0.35	66.36	1844	67.96	0.34	67.12	1844	67.56	0.38	66.69	1844	101%	97%	101%	100%	99%	112%	99%	100%
						1772	67.95	0.35	67.10	1844	68.94	0.35	68.08	1844	69.20	0.42	67.44	1844	101%	100%	101%	100%	99%	110%	99%	100%
				</																						







chart - optimal

Index	Scan	Cache	ID	Values										Summary												
				1	2	3	4	5	6	7	8	9	10	Min	Max	Avg	StDev									
3	cached	1	4	1971	76.15	10.56	58.12	3996	79.46	10.27	60.36	3996	115.75	10.51	95.57	10872	104%	97%	104%	100%	146%	102%	158%	272%		
			7	1987					20.82	10.68	1.70	152	21.06	10.49	1.48	152						101%	98%	87%	100%	
			8	2029									132.13	0.42	131.18	5664										
			9	2039	5.07	1.39	2.25	2693	5.29	1.39	2.42	2452	6.24	1.49	3.33	2458	104%	100%	107%	91%	118%	107%	137%	100%		
			8	2033									61.15	0.53	60.10	13951										
	not-cached	1	4	2029									184.77	8.79	171.34	9059										
			8	2039	124.90	10.58	104.78	2688	124.68	10.51	104.06	2447	122.37	10.72	103.09	2453	100%	99%	99%	91%	98%	102%	99%	100%		
			8	2033									115.44	10.66	99.97	13948										
			8	2073									63.10	0.41	62.18	16956										
			4	2051	26.04	1.47	23.00	6203	27.59	1.48	24.52	6203	159.69	1.45	156.60	6209	106%	101%	107%	100%	100%	57%	98%	63%	100%	
4	cached	1	4	2079	7.05	2.42	2.10	2668	7.08	2.44	2.12	2500	7.43	2.48	2.34	2503	100%	101%	101%	94%	105%	102%	110%	100%		
			4	2069	29.74	1.36	26.82	23181	28.37	1.17	25.89	22950	161.94	1.35	159.13	22977	95%	86%	97%	99%	57%	115%	61%	100%		
			8	2073									123.77	9.10	108.48	16951										
			2	2051	90.82	10.26	72.65	6198	93.18	10.67	73.35	6198	212.62	10.49	193.94	6204	103%	104%	101%	100%	228%	95%	264%	100%		
			4	2079	126.20	11.25	104.71	2663	124.51	12.12	101.45	2495	131.18	11.17	110.23	2498	99%	108%	97%	94%	105%	92%	109%	100%		
	not-cached	1	4	2069	82.69	9.89	63.42	23176	90.69	10.01	69.91	22945	216.23	10.72	197.55	22972	110%	101%	110%	99%	238%	107%	283%	100%		
			0	2086	78.22	0.33	77.39	1198	80.34	0.34	79.46	1198	81.20	0.35	80.30	1198	103%	101%	103%	100%	101%	103%	101%	100%		
			0	2090	6.04	2.21	2.36	2412	5.44	1.98	2.19	1729	5.56	1.94	2.29	1729	90%	90%	93%	72%	102%	98%	105%	100%		
			0	2092	0.78	0.30	0.06	71	0.74	0.31	0.07	71	0.78	0.36	0.07	71	94%	101%	115%	100%	106%	116%	95%	100%		
			0	2096	82.82	0.35	81.96	1213	85.08	0.37	84.15	1213	84.55	0.34	83.66	1213	103%	106%	103%	100%	99%	91%	99%	100%		
2	index-only-scan	cached	1	0	2110	5.73	0.34	4.99	172	5.91	0.33	5.18	172	5.79	0.33	5.05	172	103%	97%	104%	100%	98%	101%	97%	100%	
				2	2116	3.92	0.30	3.23	78	4.01	0.33	3.30	78	4.05	0.31	3.33	78	102%	109%	102%	100%	101%	95%	101%	100%	
				3	2100	63.69	0.35	62.90	2335	64.06	0.31	63.28	2335	63.93	0.31	63.18	2335	101%	88%	101%	100%	100%	100%	100%	100%	
				4	2120	3.92	0.32	3.21	78	4.04	0.33	3.28	78	4.04	0.33	3.30	78	103%	102%	102%	100%	100%	102%	100%		
				6	2106	3.94	0.31	3.24	78	4.02	0.33	3.29	78	4.08	0.32	3.27	78	102%	106%	102%	100%	102%	97%	102%	100%	
				6	2082	6.40	0.35	5.64	184	6.70	0.33	5.93	183	7.09	0.34	6.30	183	105%	95%	105%	100%	106%	104%	106%	100%	
				6	2088	79.10	2.16	75.45	2383	79.27	2.20	75.59	2383	79.74	2.17	76.05	2383	100%	102%	100%	100%	101%	99%	101%	100%	
				6	2094	81.42	2.25	77.65	2383	79.76	2.24	76.01	2383	80.13	2.28	76.36	2383	98%	99%	98%	100%	100%	102%	100%	100%	
				6	2098	48.70	0.43	48.76	2360	48.63	0.39	48.76	2360	48.56	0.37	48.70	2360	100%	92%	100%	100%	100%	94%	100%	100%	
				6	2112	66.06	0.35	65.22	2356	65.84	0.34	65.02	2356	65.37	0.36	64.51	2356	100%	97%	100%	100%	99%	106%	99%	100%	
7	2102	3.94	0.31	3.20	78	4.02	0.33	3.29	78	4.03	0.30	3.35	78	102%	107%	103%	100%	100%	91%	102%	100%					
7	2104	68.80	0.32	68.02	2343	75.04	0.30	74.30	2343	68.26	0.31	67.50	2343	109%	94%	109%	100%	91%	104%	91%	100%					
7	2114	69.80	0.32	69.02	2343	68.56	0.31	67.78	2343	71.06	0.34	70.25	2343	98%	96%	98%	100%	104%	112%	104%	100%					
8	2084	57.10	0.35	56.29	2358	59.71	0.34	58.87	2358	57.00	0.34	56.15	2358	105%	96%	105%	100%	95%	99%	95%	100%					
8	2108	87.08	2.31	83.17	2385	83.80	2.31	79.75	2385	78.41	2.36	75.44	2385	96%	103%	96%	100%	95%	100%	95%	100%					
8	2118	68.57	0.31	67.78	2343	68.64	0.32	67.85	2343	68.62	0.35	67.82	2343	100%	103%	100%	100%	100%	109%	100%	100%					
not-cached	1	0	2086	99.40	8.09	85.98	1198	101.97	8.29	87.00	1198	100.64	8.17	86.08	1198	103%	102%	101%	100%	99%	99%	99%	100%			
		0	2090	42.02	10.05	24.24	2412	41.75	9.67	22.82	1729	39.21	9.26	20.24	1729	99%	96%	94%	72%	94%	96%	89%	100%			
		0	2092	16.24	8.70	1.61	71	16.70	8.34	1.89	71	16.83	8.40	2.14	71	103%	96%	117%	100%	101%	101%	113%	100%			
		0	2096	106.65	8.40	91.93	1213	108.57	8.69	93.50	1213	105.94	7.79	92.27	1213	102%	103%	102%	100%	98%	90%	99%	100%			
		0	2110	22.60	8.24	8.85	172	25.35	9.41	9.01	172	23.32	7.96	9.01	172	112%	114%	102%	100%	92%	85%	100%	100%			
		2	2116	25.45	7.34	13.20	78	28.09	8.32	14.03	78	28.33	9.57	13.74	78	110%	113%	106%	100%	101%	115%	98%	100%			
		3	2100	87.05	7.97	74.12	2335	88.01	7.12	74.57	2335	87.42	8.10	74.54	2335	101%	89%	101%	100%	99%	114%	100%	100%			
		4	2120	28.24	8.90	14.03	78	28.20	8.32	13.65	78	27.46	8.44	14.08	78	100%	94%	97%	100%	97%	101%	103%	100%			
		5	2106	26.62	7.80	13.76	78	29.25	9.00	13.93	78	29.67	9.31	14.98	78	110%	115%	101%	100%	101%	103%	108%	100%			
		6	2082	27.90	8.30	13.75	184	27.71	8.58	14.43	185	28.16	8.60	14.21	185	99%	103%	105%	100%	102%	93%	98%	100%			
6	2088	107.68	9.72	90.13	2383	104.53	10.06	85.79	2383	108.06	10.58	91.69	2383	97%	104%	95%	100%	104%	105%	107%	100%					
6	2094	106.31	10.57	87.47	2383	106.65	10.10	88.47	2383	107.57	10.24	89.49	2383	100%	96%	101%	100%	101%	101%	101%	100%					
6	2098	75.50	9.82	60.58	2360	75.13	8.96	59.35	2360	74.52	9.13	60.63	2360	100%	91%	98%	100%	99%	102%	102%	100%					
6	2112	95.69	8.58	80.85	2356	91.45	9.12	76.02	2356	93.44	8.65	79.49	2356	96%	106%	94%	100%	102%	95%	105%	100%					
7	2102	25.99	8.10	13.13	78	28.60	8.73	14.78	78	28.06	9.16	14.19	78	110%	108%	113%	100%	98%	105%	96%	100%					
7	2104	93.91	7.49	82.65	2343	94.79	8.06	81.39	2343	91.19	7.47	80.13	2343	101%	108%	98%	100%	96%	93%	97%	100%					
7	2114	102.97	7.77	89.95	2343	97.41	8.95	82.74	2343	96.42	8.69	82.08	2343	95%	115%	92%	100%	99%	97%	99%	100%					
8	2084	84.83	8.30	70.84	2358	83.19	8.36	68.58	2358	87.00	9.05	72.09	2358	98%	101%	97%	100%	105%	108%	105%	100%					
8	2108	112.41	10.40	92.81	2385	109.79	9.97	90.50	2385	111.37	11.12	91.91	2385	98%	96%	98%	100%	101%	112%	102%	100%					
8	2118	92.06	7.59	79.79	2343	92.51	8.23	79.18	2343	96.67	8.51	82.67	2343	100%	108%	99%	100%	105%	103%	104%	100%					
2	cached	1	0	2132	0.78	0.31	0.07	77	0.79	0.33	0.08	77	0.82	0.34												







2	cached	1	4	2584	14.42	7.24	1.59	68	17.25	9.17	2.15	68	16.36	8.55	1.94	68	120%	127%	135%	100%	95%	93%	90%	100%	
			5	2590	70.45	8.81	51.73	2198	71.56	9.68	53.47	1973	68.94	8.54	50.92	1973	102%	110%	103%	90%	96%	88%	95%	100%	
			5	2562	14.92	7.91	1.66	68	17.18	9.48	1.89	68	15.52	7.97	2.11	68	115%	120%	114%	100%	90%	84%	101%	100%	
			5	2564	15.56	7.82	2.28	68	16.11	8.39	2.13	68	15.45	7.84	2.08	68	104%	107%	94%	100%	96%	93%	98%	100%	
			5	2568	42.58	8.20	27.01	482	43.35	9.30	26.22	470	45.95	8.64	29.96	470	102%	113%	97%	98%	106%	93%	114%	100%	
			5	2574	94.78	8.14	80.63	4892	98.84	8.65	83.81	4892	97.58	8.87	82.72	4892	104%	106%	104%	100%	99%	103%	99%	100%	
			6	2570	98.76	8.69	81.48	1721	102.88	9.93	82.83	1568	102.81	9.58	84.23	1568	104%	114%	102%	91%	100%	96%	102%	100%	
			6	2572	32.06	7.96	18.76	482	34.48	8.78	20.29	482	34.68	9.85	19.13	482	108%	110%	108%	100%	101%	102%	97%	100%	
			6	2600	49.39	8.94	35.17	1415	49.12	9.52	32.79	1415	50.66	10.28	35.26	1415	99%	106%	93%	100%	103%	108%	108%	100%	
			8	2576	51.37	8.08	38.24	1486	52.07	8.17	36.49	1486	49.44	7.54	36.62	1486	101%	101%	95%	100%	95%	92%	100%	100%	
			8	2586	15.85	8.20	1.95	68	16.66	8.53	2.00	68	15.50	7.38	2.08	68	105%	104%	103%	100%	93%	86%	104%	100%	
			8	2594	114.31	9.25	98.05	4923	127.86	8.97	110.00	4923	124.35	9.30	106.74	4923	112%	97%	112%	100%	97%	104%	97%	100%	
			1	2620	5.05	1.33	2.24	2843	5.17	1.38	2.30	2501	5.82	1.59	2.55	2501	102%	103%	103%	88%	113%	116%	111%	100%	
			1	2622					156.96	1.45	153.79	3944	220.60	1.63	217.13	6743					141%	141%	141%	171%	
			2	2638					153.83	1.32	151.00	3944	214.41	1.36	211.50	6743					139%	104%	140%	171%	
			4	2624	0.76	0.32	0.07	74	0.75	0.30	0.08	74	0.76	0.33	0.07	74	99%	95%	112%	100%	102%	109%	88%	100%	
			5	2630					149.96	1.15	147.41	3944	211.16	1.17	208.66	6743					141%	102%	142%	171%	
			5	2602									103.04	0.36	102.13	6711									
			5	2604									107.50	0.33	106.66	6712									
			5	2608	1.64	0.54	0.51	488	1.66	0.57	0.49	479	1.84	0.64	0.53	479	101%	105%	95%	98%	111%	113%	108%	100%	
6	2610									206.90	1.03	203.72	6741												
6	2612									67.09	0.35	66.27	8375												
6	2640									79.68	0.35	78.82	8881												
8	2616									83.10	0.41	82.13	8833												
8	2626	0.82	0.35	0.07	74	0.78	0.30	0.08	74	0.77	0.30	0.08	74	95%	86%	103%	100%	98%	107%	98%	100%				
1	2620	100.62	9.60	82.80	2843	103.06	9.81	83.39	2501	108.52	9.71	89.79	2501	102%	102%	101%	88%	105%	99%	108%	100%				
2	2622					199.22	9.63	180.54	3944	260.74	9.44	241.75	6743					131%	98%	134%	171%				
2	2638					196.71	9.43	178.09	3944	256.05	8.50	237.90	6743					130%	90%	134%	171%				
4	2624	14.31	7.10	1.64	74	16.57	8.36	1.50	74	16.82	8.73	1.99	74	116%	118%	91%	100%	102%	104%	133%	100%				
5	2630					192.40	9.75	173.98	3944	233.59	9.80	234.56	6743					132%	101%	135%	171%				
5	2602									148.64	8.58	134.17	6711												
5	2604									148.94	8.37	134.62	6712												
5	2608	39.97	8.47	24.72	488	44.10	9.46	26.17	479	45.64	9.03	28.98	479	110%	112%	106%	98%	103%	95%	111%	100%				
6	2610									248.26	8.95	230.57	6741												
6	2612									105.81	8.21	92.51	8968												
6	2640									120.61	7.79	106.40	8555												
8	2616									122.75	9.23	107.96	8600												
8	2626	14.77	7.34	1.80	74	17.07	8.85	1.71	74	15.85	7.39	2.38	74	116%	121%	95%	100%	93%	83%	139%	100%				
0	2672	0.83	0.38	0.06	80	0.74	0.30	0.06	79	0.77	0.33	0.10	79	90%	80%	112%	99%	104%	110%	155%	100%				
2	2658					147.42	1.05	145.12	5045	208.55	1.03	205.30	8956					141%	98%	142%	172%				
2	2676	21.16	0.33	20.34	5004	24.63	0.32	23.79	5003	106.58	0.39	105.65	8625	116%	98%	117%	100%	45%	122%	44%	172%				
4	2664									136.07	0.35	135.24	5013												
5	2642	0.78	0.33	0.06	80	0.79	0.32	0.08	79	0.76	0.34	0.06	79	102%	98%	148%	99%	98%	105%	75%	100%				
6	2652	12.92	0.35	12.12	909	12.94	0.34	12.14	908	13.14	0.38	12.30	908	100%	97%	100%	100%	102%	113%	101%	100%				
6	2680									83.20	0.36	82.35	11372												
1	2662					95.52	2.40	90.47	9983	138.69	2.42	130.68	10097					142%	101%	144%	101%				
3	2668	22.31	1.03	20.10	5057	29.65	1.24	27.04	5056	107.35	1.14	104.85	8672	133%	121%	134%	100%	36%	91%	38%	172%				
5	2644	0.75	0.33	0.06	80	0.77	0.31	0.07	79	0.78	0.34	0.09	79	103%	94%	115%	99%	102%	109%	131%	100%				
6	2650									135.94	1.01	133.65	8672												
8	2656	7.17	0.37	6.31	271	5.87	0.41	5.01	266	3.20	0.37	2.43	216	82%	110%	79%	98%	55%	89%	49%	81%				
1	2660	7.20	1.48	4.14	349	6.66	1.45	3.88	244	8.12	1.50	5.01	250	93%	98%	89%	70%	122%	103%	136%	102%				
2	2672	15.59	7.95	1.75	80	16.81	9.08	1.41	79	15.61	7.89	1.90	79	108%	114%	81%	99%	93%	87%	135%	100%				
2	2658					197.00	9.19	180.12	5045	257.71	9.04	240.36	8956					131%	98%	133%	172%				
3	2676	72.37	7.94	58.28	5004	86.67	8.63	71.70	5003	167.75	8.86	152.71	8625	120%	109%	123%	100%	194%	103%	213%	172%				
4	2664									185.64	8.15	171.27	5013												
5	2642	15.18	8.28	1.38	80	15.38	8.21	1.83	79	16.30	8.30	1.85	79	101%	99%	133%	99%	106%	101%	101%	100%				
6	2652	36.59	8.32	23.10	910	37.57	8.96	22.86	908	36.89	8.10	22.93	908	103%	108%	99%	100%	98%	90%	100%	100%				
6	2680									128.89	8.73	115.52	10973												
2	1	2662				141.18	10.51	120.74	9983	185.96	11.37	166.80	10097					132%	108%	138%	101%				
3	2668	78.31	9.17	60.28	5057	80.39	9.53	62.03	5056	154.69	9.32	137.34	8672	103%	104%	103%	100%	192%	98%	221%	172%				
5	2644	15.95	8.40	1.75	80	15.83	8.03	1.90	79	16.14	8.45	1.99	79	99%	96%	108%	99%	102%	105%	105%	100%				
6	2650									184.31	9.40	167.45	8672												
8	2656	27.80	7.79	14.12	267	27.06	8.19	13.88	266	21.06	8.43	6.54	216	97%	105%	98%	100%	78%	103%	48%	81%				
1	2660	32.13	9.42	14.00	345	26.79	9.75	7.75	244	28.21	9.82	8.46	250												

						3	2595	17.05	9.17	1.95	100	17.72	8.89	2.22	100	17.07	8.65	2.35	100	104%	97%	114%	100%	96%	97%	106%	100%			
						4	2583	16.79	9.10	1.64	100	16.47	8.07	3.29	100	16.58	8.72	2.50	100	98%	89%	201%	100%	101%	108%	76%	100%			
						5	2561	16.45	8.36	2.30	100	18.57	10.86	1.78	100	18.57	10.40	1.57	100	113%	120%	77%	100%	100%	98%	88%	100%			
						6	2563	15.19	7.95	1.73	101	16.11	8.92	2.39	101	16.98	8.70	2.46	101	106%	112%	138%	100%	105%	97%	103%	100%			
						8	2585	16.45	9.01	1.69	100	17.50	9.52	2.03	100	16.85	9.29	1.99	100	106%	106%	120%	100%	96%	98%	98%	100%			
					2	cached	1	4	2623	0.90	0.39	0.07	113	0.93	0.42	0.09	113	0.88	0.41	0.07	113	103%	106%	130%	100%	95%	99%	76%	100%	
							5	2601																						
							6	2603																						
							8	2625	0.82	0.39	0.06	112	0.85	0.38	0.07	112	0.92	0.41	0.07	112	104%	98%	118%	100%	109%	109%	99%	100%		
							4	2623	17.10	8.66	2.35	108	16.60	8.74	2.59	108	19.31	10.03	2.50	108	97%	101%	110%	100%	116%	115%	97%	100%		
							5	2601																						
							6	2603																						
						3	cached	1	4	2625	16.75	8.96	2.50	107	16.98	8.69	2.30	107	18.22	10.13	2.58	107	101%	97%	92%	100%	107%	117%	112%	100%
							3	2671	0.89	0.45	0.06	117	0.94	0.45	0.07	116	0.86	0.42	0.06	116	106%	100%	126%	99%	91%	83%	80%	100%		
							4	2663																						
							5	2641	0.87	0.43	0.06	117	0.86	0.39	0.06	116	0.86	0.44	0.06	116	99%	91%	106%	99%	100%	113%	93%	100%		
							2	2667	22.70	1.30	20.00	5094	28.07	1.18	25.61	5093	111.37	1.10	109.07	8709	124%	91%	128%	100%	397%	94%	426%	171%		
							6	2649	0.87	0.44	0.06	117	0.85	0.40	0.07	116	0.87	0.42	0.06	116	98%	90%	120%	99%	102%	107%	90%	100%		
							3	2659				6.81	1.53	3.67	298	8.07	1.55	4.92	304					119%	101%	134%	102%			
							1	2671	16.17	8.50	1.45	112	18.03	9.59	1.34	111	16.43	8.98	1.47	111	112%	113%	92%	99%	91%	94%	110%	100%		
							3	2675	86.26	8.75	71.80	5038	82.22	8.72	67.09	5037	157.87	9.24	142.61	8659	95%	100%	93%	100%	192%	106%	213%	172%		
							4	2663																						
							5	2641	15.44	8.58	1.74	112	16.96	10.00	1.59	111	16.60	9.25	1.99	111	110%	117%	92%	99%	98%	93%	125%	100%		
							2	2667	75.07	10.16	56.01	5089	81.04	10.09	61.95	5088	163.42	9.97	143.75	8704	108%	99%	111%	100%	202%	99%	232%	171%		
							5	2643	16.70	9.22	1.81	112	16.91	9.79	1.28	111	16.63	9.26	1.38	111	101%	106%	71%	99%	98%	95%	107%	100%		
							6	2649																						
							3	2659				32.35	10.92	11.26	293	33.71	10.47	14.03	299					104%	96%	125%	102%			
							1	2703	0.84	0.41	0.08	126	0.93	0.46	0.08	126	0.88	0.45	0.07	126	111%	113%	106%	100%	95%	98%	86%	100%		
							8	2705																						
							3	2681	25.47	1.01	23.35	6215																		
							2	2683																						
							6	2691																						
							4	2703	16.80	8.65	2.19	121	18.25	9.50	2.59	121	14.04	1.65	140.69	10739										
							8	2705																						
							3	2681	81.92	10.14	63.25	6210																		
							2	2683																						
							6	2691																						
						2	index-only-sec	1	1	2722	92.83	0.32	91.96	4490	95.26	0.36	94.35	4490	94.30	0.35	93.44	4490	103%	111%	103%	100%	99%	98%	99%	100%







chart - optimal

2	cached	1	0	3062	40.30	8.94	25.55	1282	48.62	9.35	32.06	1139	45.78	9.34	31.39	1139	121%	105%	125%	89%	94%	100%	98%	100%				
				3072	84.98	7.56	81.82	3124	99.20	9.57	80.36	3124	94.95	8.18	82.45	3124	104%	127%	98%	100%	96%	85%	103%	100%	100%			
				3092	94.02	0.31	93.19	3403	99.48	0.31	98.65	2403	97.18	0.32	98.22	3403	106%	99%	106%	100%	98%	102%	98%	100%	100%	100%		
				3100	103.11	1.21	100.92	3439	95.61	1.19	93.43	3439	104.28	1.18	102.07	6940	93%	98%	93%	100%	109%	99%	100%	202%	202%	202%		
				3094	105.67	0.35	104.80	6750	106.60	0.34	105.75	6750	106.95	0.37	106.06	6750	101%	96%	101%	100%	100%	108%	100%	100%	100%	100%		
				3114	72.40	0.38	71.51	6754	73.42	0.34	72.57	6754	73.66	0.37	72.76	6754	101%	89%	101%	100%	100%	110%	100%	100%	100%	100%		
				3086	90.64	2.27	86.80	6783	91.45	2.25	87.66	6783	91.48	2.25	87.63	6783	101%	99%	101%	100%	100%	100%	100%	100%	100%	100%	100%	
				3096									34.38	0.37	33.51	6485												
				3098	18.30	0.34	17.41	3399	19.64	0.32	18.81	3399	53.19	0.36	52.37	5638	107%	92%	108%	100%	100%	271%	113%	278%	166%	166%	166%	
				3116	8.87	0.34	8.08	435	9.40	0.36	8.56	436	9.52	0.39	8.66	435	106%	108%	106%	100%	100%	101%	106%	101%	100%	100%	100%	
				3102	5.06	0.80	3.61	1284	5.24	0.83	3.71	1167	5.18	0.82	3.70	1167	104%	104%	103%	100%	91%	99%	99%	100%	100%	100%	100%	
				3106	114.20	0.36	113.29	3426	121.47	0.36	120.53	3426	117.28	0.36	116.36	3426	106%	98%	106%	100%	97%	101%	97%	100%	100%	100%	100%	
				3120	10.61	0.50	9.65	683	10.46	0.44	9.54	682	10.68	0.47	9.74	683	99%	88%	99%	100%	102%	105%	102%	100%	100%	100%	100%	
				3104	72.91	0.37	72.01	6762	74.09	0.40	73.12	6762	74.89	0.40	73.91	6762	102%	105%	102%	100%	101%	101%	101%	100%	100%	100%	100%	
				3108	87.19	2.15	83.47	6784	86.74	2.23	82.96	6784	87.96	2.26	84.12	6784	99%	104%	99%	100%	101%	101%	101%	100%	100%	100%	100%	
				3082	40.90	0.39	40.01	3672	39.85	0.35	38.96	3672	40.18	0.36	39.31	3672	97%	89%	97%	100%	101%	105%	101%	100%	100%	100%	100%	
				3110									63.67	0.51	62.64	7171												
				3090	34.28	0.38	33.42	6749	35.62	0.38	34.75	6749					104%	99%	104%	100%								
				3118	78.21	0.85	76.67	6808	80.18	0.85	78.52	6808	78.68	0.84	77.04	6808	102%	101%	102%	100%	98%	97%	98%	100%	100%	100%	100%	
				3084	95.96	1.33	93.59	6789	97.52	1.33	95.10	6789	99.57	1.43	97.09	6789	102%	101%	102%	100%	102%	107%	102%	100%	100%	100%	100%	
				3088	7.53	2.23	3.78	132	7.74	2.28	3.95	132	7.72	2.25	3.92	132	103%	102%	104%	100%	100%	99%	99%	100%	100%	100%	100%	
				3112	78.14	0.77	76.61	6806	81.08	0.78	79.56	6806	83.56	0.78	81.98	6806	104%	101%	104%	100%	103%	100%	103%	100%	100%	100%	100%	
				3092	129.19	6.55	117.41	3403	137.35	7.95	123.67	3403	134.92	8.45	120.54	3403	106%	121%	105%	100%	98%	106%	97%	100%	100%	100%	100%	
				3100	140.32	8.63	122.49	3439	134.53	10.10	116.82	3439	146.10	12.55	135.56	6940	106%	117%	96%	100%	110%	94%	111%	202%	202%	202%		
				3094	140.92	7.98	128.19	6750	144.88	8.22	131.78	6750	144.22	8.70	130.05	6750	103%	103%	103%	100%	100%	106%	99%	100%	100%	100%		
				3114	105.39	8.26	91.46	6754	110.18	9.34	94.80	6754	109.42	10.03	94.42	6754	105%	113%	104%	100%	99%	107%	100%	100%	100%	100%	100%	
				3086	126.35	9.83	108.43	6783	130.89	10.77	112.16	6783	132.51	11.11	112.54	6783	104%	110%	103%	100%	101%	103%	100%	100%	100%	100%	100%	
				3096	50.57	7.56	37.65	3398	57.51	8.13	43.08	3398	73.14	8.79	59.32	6290	114%	108%	114%	100%	185%	107%	215%	166%	166%	166%		
				3116	32.10	8.06	18.19	437	31.90	8.13	17.80	436	30.37	8.59	19.51	5638	99%	101%	88%	100%	98%	106%	99%	100%	100%	100%		
				3102	51.99	8.62	36.71	1288	52.21	9.25	35.65	1172	54.81	9.13	38.65	1172	100%	107%	97%	100%	105%	99%	108%	100%	100%	100%	100%	
				3106	151.64	8.30	137.48	3426	163.56	12.31	144.63	3426	155.50	8.42	140.95	3426	108%	148%	105%	100%	95%	68%	97%	100%	100%	100%	100%	
				3120	33.51	9.02	19.30	683	35.95	9.96	19.90	682	36.03	10.87	20.17	682	107%	110%	103%	100%	103%	109%	101%	100%	100%	100%	100%	
				3104	106.84	8.07	93.23	6762	113.10	8.52	98.85	6762	106.47	8.41	93.20	6762	106%	106%	106%	100%	94%	99%	94%	100%	100%	100%	100%	
				3108	120.13	10.30	102.12	6784	123.32	9.73	104.05	6784	121.61	10.44	102.33	6784	103%	94%	102%	100%	99%	107%	98%	100%	100%	100%	100%	
				3082	68.55	8.27	54.40	3672	69.75	8.66	54.17	3672	69.32	8.79	55.39	3672	102%	105%	100%	100%	99%	102%	102%	100%	100%	100%	100%	
				3110									110.99	10.91	94.96	7013												
				3090	78.01	8.47	65.00	6749	82.72	8.06	68.90	6749					106%	95%	106%	100%								
				3118	115.79	8.65	98.93	6808	114.89	9.11	98.10	6808	115.36	9.11	97.83	6808	102%	105%	99%	100%	100%	100%	100%	100%	100%	100%	100%	
				3084	124.01	9.55	106.70	6789	122.98	9.64	105.59	6789	124.73	9.25	108.40	6789	99%	101%	99%	100%	101%	96%	103%	100%	100%	100%	100%	
				3088	32.41	10.03	14.12	132	33.69	10.99	15.12	132	33.27	10.73	14.94	132	104%	109%	107%	100%	99%	98%	99%	100%	100%	100%	100%	
				3112	117.13	8.93	101.74	6806	117.60	8.19	100.79	6806	122.01	8.77	104.90	6806	100%	92%	99%	100%	104%	107%	104%	100%	100%	100%	100%	
				3140	3.16	1.21	1.08	1305	3.20	1.21	1.13	1118	3.20	1.21	1.07	1118	101%	100%	104%	100%	100%	101%	95%	100%	100%	100%	100%	
				3130									56.34	0.36	55.49	7933												
				3138	3.94	0.36	3.18	91	4.23	0.35	3.49	90	4.12	0.34	3.38	90	107%	95%	110%	99%	97%	97%	97%	100%	100%	100%	100%	
				3160	29.56	0.43	28.61	9701	30.25	0.36	29.36	9700	30.65	0.39	29.73	9699	102%	84%	103%	100%	101%	268%	109%	265%	102%	102%	102%	
				3122	43.71	0.37	42.85	4753	42.25	0.38	41.34	4753	43.23	0.40	42.33	4752	97%	104%	96%	100%	102%	105%	102%	100%	100%	100%	100%	
				3150									68.95	0.40	68.01	9405												
				3128									116.78	2.28	112.84	5983												
				3142									1.60	0.86	0.07	126												
				3154	4.28	0.45	3.35	134	4.28	0.45	3.34	133	4.40	0.48	3.38	133	100%	100%	100%	99%	103%	108%	101%	100%	100%	100%	100%	
				3140	48.40	9.72	30.88	1305	48.59	9.40	31.59	1118	49.85	9.85	31.85	1118	100%	97%	102%	86%	103%	102%	101%	100%	100%	100%	100%	
				3138	27.50	8.46	13.96	91	27.30	8.50	13.97	90	28.25	8.85	14.36	90	99%	100%	100%	99%	103%	104%	103%	100%	100%	100%	100%	
				3160	90.90	8.63	77.28	9701	88.88	9.37	72.96	9700	125.59	9.04	110.67	9841	98%	109%	94%	100%	141%	96%	152%	101%	101%	101%	101%	
				3122	73.13	8.49	59.83	4753	74.11	8.72	59.57	4752	72.90	8.69	59.04	4752	101%	103%	100%	100%	98%	100%	99%	100%	100%	100%	100%	
				3150									120.63</															