

Table 1: Comparison of metrics for Scotch 6.1.3, Scotch 7.0.12 and Scotch 8.0 libraries in the PaStiX solver. The * in ordering methods specifies that we used the personal strategy ordering with $cmin = 20$; when no * is added, the default ordering strategy (*auto*) is applied. *cbk* is the number of supernodes, *blok* is the number of blocks, *offdb* is the number of off-diagonal blocks, and *offdp* is the number of off-diagonal blocks at the intersection of two supernodes that is non-empty (if two blocks belong to the same supernode and face an identical supernode, we count 1 instead of 2). **Sym Fact 1**: symbolic factorization structure before reordering; **Sym Fact 2**: after reordering; **Map/Sched**: after the mapping and scheduling split. Times of the ordering, reordering, and analyze steps are shown in seconds, as well as the predicted factorization time on a 24-core machine. The minimum value per metric and per matrix is highlighted in **bold**.

Name	Prec	Fact.	N	NNZ	Ord.	Fill-in	Flops	Sym Fact 1		Sym Fact 2		Map/Sched		Symbolic structure			Timing (s)			
								cbk	blok	cbk	blok	cbk	blok	cbk	offdb	offdp	Ord.	Reord.	Analyze	Pred. Fact.
3Dspectralwave	z	LDL^h	0.7M	17.2M	scotch6	80.70	37.74T	7712	448213	7712	104455	8131	124445	8131	124445	76549	36.88	4.50	45.05	57.35
					scotch6*	80.70	37.74T	7712	448213	7712	104455	8131	124445	8131	124445	76549	37.12	4.46	45.23	57.35
					scotch7	85.12	38.62T	7536	488231	7536	114265	8036	138098	8036	138098	83130	10.97	6.74	21.56	56.19
					scotch7*	85.12	38.62T	7536	488231	7536	114265	8036	138098	8036	138098	83130	11.24	6.75	21.85	56.19
					scotch8	83.77	40.18T	14643	828521	14643	230251	15100	253899	15100	253899	138224	13.39	8.26	25.55	60.60
					scotch8*	83.90	40.19T	12688	725283	12688	194538	13145	217570	13145	217570	120044	15.45	7.30	26.54	60.67
3Dspectralwave2	z	LDL^h	0.3M	7.3M	scotch6	57.28	6.48T	3497	180795	3497	42471	3675	48861	3675	48861	30904	14.29	3.89	19.78	14.57
					scotch6*	57.28	6.48T	3497	180795	3497	42471	3675	48861	3675	48861	30904	14.05	1.88	17.43	14.57
					scotch7	63.77	7.72T	3270	198200	3270	44921	3468	52332	3468	52332	31869	5.24	2.72	9.47	16.01
					scotch7*	63.77	7.72T	3270	198200	3270	44921	3468	52332	3468	52332	31869	5.19	2.64	9.47	16.01
					scotch8	57.38	6.36T	6362	331469	6362	89057	6544	95985	6544	95985	54414	5.92	1.75	9.24	13.51
					scotch8*	57.49	6.36T	5566	292680	5566	76132	5749	83017	5749	83017	47480	5.93	2.85	10.37	13.48
atmosmodd	d	LU	1.3M	8.8M	scotch6	239.54	11.93T	63197	1569333	63197	659086	63525	676122	63525	676122	361787	50.50	6.93	58.91	55.45
					scotch6*	239.98	11.93T	59784	1509838	59784	629761	60113	646937	60113	646937	341501	51.06	21.23	73.61	55.27
					scotch7	235.46	11.44T	62593	1511222	62593	649360	62926	666009	62926	666009	358102	11.48	6.85	19.73	56.30
					scotch7*	235.91	11.44T	59129	1450242	59129	618479	59459	634988	59459	634988	336768	11.53	6.75	19.66	56.74
					scotch8	221.36	10.79T	77322	1688871	77322	799726	77638	815784	77638	815784	437278	12.79	8.22	22.71	53.08
					scotch8*	222.90	10.79T	67703	1509899	67703	695785	68018	711625	68018	711625	377391	12.78	7.64	21.92	52.39
atmosmodl	d	LU	1.5M	10.3M	scotch6	206.36	9.54T	76149	1778672	76149	773108	76540	789262	76540	789262	423554	60.92	5.54	68.07	44.86
					scotch6*	206.83	9.54T	71953	1704829	71953	735492	72344	751341	72344	751341	397295	62.36	8.99	73.09	44.88
					scotch7	217.75	10.52T	75914	1810366	75914	764451	76320	781507	76320	781507	419844	12.71	5.68	20.07	45.43
					scotch7*	218.22	10.52T	71743	1736141	71743	727391	72156	745091	72156	745091	396191	12.66	5.60	19.89	44.82
					scotch8	210.61	10.50T	91122	2013374	91122	928145	91513	946026	91513	946026	505887	18.66	5.94	26.52	46.55
					scotch8*	212.13	10.50T	79920	1802066	79920	807497	80313	825016	80313	825016	438338	18.37	5.55	25.62	47.21
audikw_1	d	LL^t	0.9M	39.3M	scotch6	32.11	4.82T	10952	262603	10952	107344	11408	123053	11408	123053	82476	13.83	1.84	23.44	27.52
					scotch6*	32.14	4.82T	9879	252286	9879	101852	10340	117842	10340	117842	78949	13.81	1.83	23.72	27.15
					scotch7	32.31	4.88T	10895	262882	10895	107351	11360	123836	11360	123836	83230	6.62	1.80	16.38	27.07
					scotch7*	32.33	4.88T	9908	253876	9908	102486	10375	119186	10375	119186	79767	6.57	1.77	16.10	28.04
					scotch8	30.69	4.95T	49285	923740	49285	511925	49740	530394	49740	530394	340661	6.91	2.67	18.11	30.19
					scotch8*	31.31	4.96T	19101	510373	19101	232757	19561	250508	19561	250508	159004	20.36	2.31	31.01	29.67

Name	Prec	Fact.	N	NNZ	Ord.	Fill-in	Flops	Sym Fact 1		Sym Fact 2		Map/Sched		Symbolic structure			Timing (s)			
								cblk	blok	cblk	blok	cblk	blok	cblk	offdb	offdp	Ord.	Reord.	Analyze	Pred. Fact.
bone010	d	LL^t	1.0M	36.3M	scotch6	34.43	4.29T	14765	207281	14765	92253	15227	106087	15227	106087	78587	11.00	1.63	19.46	29.17
					scotch6*	34.53	4.29T	9848	183550	9848	77418	10315	91587	10315	91587	66445	11.00	1.98	19.80	28.64
					scotch7	36.90	5.03T	14739	211978	14739	91757	15226	107082	15226	107082	80172	5.24	1.44	13.40	30.68
					scotch7*	37.00	5.03T	9727	187270	9727	76360	10215	91521	10215	91521	67073	5.31	1.38	13.24	32.68
					scotch8	34.39	4.88T	47539	689192	47539	404358	48040	422390	48040	422390	287378	5.77	3.99	19.76	34.47
					scotch8*	35.13	4.89T	18681	396876	18681	192717	19178	209901	19178	209901	139820	5.92	5.03	18.09	34.17
Bump_2911	d	LL^t	2.9M	65.3M	scotch6	156.52	186.07T	86652	790422	86652	294008	88417	430183	88417	430183	327511	31.73	44.28	89.92	845.58
					scotch6*	156.55	186.07T	84470	770902	84470	283313	86241	421370	86241	421370	320775	31.85	46.09	92.44	844.30
					scotch7	159.88	196.86T	87103	809112	87103	299478	88867	436892	88867	436892	332018	12.39	39.23	65.06	881.18
					scotch7*	159.92	196.86T	84944	789126	84944	288618	86713	426551	86713	426551	324494	12.26	39.09	64.80	878.14
cage13	d	LU	0.4M	7.5M	scotch6	1013.11	200.49T	7580	747513	7580	211326	8045	285416	8045	285416	145482	12.78	28.61	42.27	585.20
					scotch6*	1013.22	200.49T	7147	742772	7147	209232	7613	283090	7613	283090	143219	12.80	27.07	40.72	584.90
					scotch7	853.66	135.88T	7654	750147	7654	209681	8110	278267	8110	278267	139259	6.12	29.47	36.50	455.34
					scotch7*	853.80	135.88T	7207	744736	7207	207276	7664	276426	7664	276426	137449	6.10	30.84	37.87	453.09
					scotch8	1473.32	373.45T	10989	1243314	10989	366663	11534	471568	11534	471568	234197	6.19	86.38	94.03	902.65
					scotch8*	1473.91	373.45T	9390	1145542	9390	323900	9938	426543	9938	426543	213270	6.10	83.42	90.82	893.68
Cube_Coup_dt0	d	LDL^t	2.2M	64.7M	scotch6	108.24	89.05T	16726	451228	16726	157342	18341	246119	18341	246119	198165	15.06	9.44	36.49	402.88
					scotch6*	108.26	89.05T	15600	442598	15600	152397	17218	241529	17218	241529	194326	15.50	20.77	49.01	404.94
					scotch7	109.68	91.99T	16576	448125	16576	157327	18228	248189	18228	248189	200001	7.05	22.63	41.63	428.08
					scotch7*	109.69	91.99T	15541	440461	15541	152948	17193	243957	17193	243957	196208	7.18	22.34	41.46	419.86
					scotch8	106.02	91.53T	92400	1636984	92400	891645	93899	992015	93899	992015	736703	8.12	26.41	47.91	417.47
					scotch8*	106.90	91.55T	41038	1083202	41038	480355	42538	577477	42538	577477	430736	7.95	16.98	37.72	424.75
CurlCurl_3	d	LDL^t	1.2M	7.4M	scotch6	112.89	3.43T	36706	1161238	36706	396313	37005	408078	37005	408078	243556	31.20	4.89	38.19	26.47
					scotch6*	113.21	3.43T	33788	1112103	33788	375136	34086	386947	34086	386947	227971	30.75	5.35	38.02	26.59
					scotch7	106.71	2.82T	36486	1134148	36486	389829	36791	401212	36791	401212	241783	9.28	3.09	14.24	19.55
					scotch7*	107.02	2.82T	33569	1086544	33569	369396	33871	380786	33871	380786	226110	9.32	3.31	14.44	19.54
					scotch8	106.68	2.88T	47718	1447175	47718	535045	48007	546299	48007	546299	325416	10.62	2.96	15.66	20.01
					scotch8*	107.47	2.88T	39642	1262911	39642	448366	39936	459916	39936	459916	270998	10.66	2.87	15.46	19.82
CurlCurl_4	d	LDL^t	2.4M	14.4M	scotch6	144.39	14.03T	70868	2296068	70868	787799	71474	817783	71474	817783	487319	63.94	15.15	82.83	77.86
					scotch6*	144.70	14.03T	65310	2203205	65310	748457	65913	778111	65913	778111	456595	63.97	12.21	79.77	78.02
					scotch7	139.88	12.39T	70423	2278715	70423	776585	71043	806726	71043	806726	484193	16.67	11.02	31.43	70.22
					scotch7*	140.18	12.39T	64919	2185788	64919	736919	65537	766780	65537	766780	453188	19.19	10.52	33.50	69.27
					scotch8	132.96	10.87T	93296	2870934	93296	1075462	93900	1104339	93900	1104339	654624	19.95	11.16	35.36	61.42
					scotch8*	133.77	10.87T	77319	2502282	77319	900886	77926	929560	77926	929560	545463	20.07	10.32	34.32	61.70
dielFilterV2clx	z	LU	0.6M	13.0M	scotch6	36.08	2.21T	23415	368956	23415	173971	23520	176691	23520	176691	116715	10.08	0.54	13.41	5.00
					scotch6*	37.23	2.22T	13667	286922	13667	122395	13773	125065	13773	125065	80769	10.16	0.53	13.51	5.16
					scotch7	36.25	2.21T	23335	369910	23335	174686	23444	177443	23444	177443	117049	4.33	0.58	7.85	5.03
					scotch7*	37.41	2.22T	13633	288744	13633	123153	13739	125824	13739	125824	81049	4.28	0.53	7.66	5.18
					scotch8	34.56	2.23T	57022	884554	57022	489146	57127	492118	57127	492118	341504	4.99	0.79	9.21	4.95
					scotch8*	36.69	2.25T	17676	389276	17676	176582	17782	179366	17782	179366	113187	4.81	0.55	8.12	4.98
dielFilterV3clx	z	LU	0.4M	16.7M	scotch6	20.93	1.35T	14709	151009	14709	89314	14785	90954	14785	90954	67843	3.40	0.43	11.97	2.75
					scotch6*	21.24	1.35T	8571	112613	8571	59908	8646	61427	8646	61427	44989	3.41	0.44	7.12	2.76
					scotch7	21.34	1.42T	14714	151493	14714	89051	14797	90740	14797	90740	68019	5.35	0.48	9.20	3.08
					scotch7*	21.63	1.42T	8609	112842	8609	59894	8693	61642	8693	61642	45071	2.63	0.44	6.32	2.88
					scotch8	19.54	1.33T	29847	323744	29847	207521	29933	209801	29933	209801	163390	2.24	0.64	6.46	2.57
					scotch8*	20.83	1.36T	10737	157290	10737	86881	10821	88856	10821	88856	63897	2.07	0.47	5.91	2.73

Name	Prec	Fact.	N	NNZ	Ord.	Fill-in	Flops	Sym Fact 1		Sym Fact 2		Map/Sched		Symbolic structure			Timing (s)			
								cbk	blok	cbk	blok	cbk	blok	cbk	offdb	offdp	Ord.	Reord.	Analyze	Pred. Fact.
Emilia_923	d	LL^t	0.9M	21.0M	scotch6	86.44	12.42T	9866	261381	9866	96317	10378	120410	10378	120410	87286	8.24	4.16	16.41	70.90
					scotch6*	86.52	12.42T	8785	251273	8785	90846	9295	114876	9295	114876	83192	8.19	4.25	16.41	71.00
					scotch7	89.72	13.69T	9836	262069	9836	97190	10357	122770	10357	122770	89137	4.12	7.55	15.80	74.02
					scotch7*	89.78	13.69T	8775	252492	8775	92247	9296	117815	9296	117815	85293	4.08	6.57	14.73	75.31
					scotch8	85.94	13.44T	54034	945591	54034	528332	54577	558393	54577	558393	399625	4.25	9.95	19.39	73.83
					scotch8*	87.21	13.45T	18814	515164	18814	225540	19349	253530	19349	253530	176969	4.25	6.66	15.13	72.84
Fault_639	d	LL^t	0.6M	14.6M	scotch6	82.04	7.48T	7252	181572	7252	69181	7606	85217	7606	85217	62285	6.80	3.43	13.02	47.02
					scotch6*	82.10	7.48T	6309	173347	6309	64569	6657	80227	6657	80227	58267	5.58	3.27	11.62	45.08
					scotch7	84.34	7.92T	7211	182768	7211	70321	7572	87101	7572	87101	62402	3.31	4.28	10.35	47.85
					scotch7*	84.39	7.92T	6285	175048	6285	65899	6650	82934	6650	82934	59798	2.95	4.32	10.00	48.53
					scotch8	79.85	7.63T	38238	653475	38238	370891	38607	390350	38607	390350	278005	3.31	6.14	12.82	46.68
					scotch8*	81.11	7.64T	13141	352055	13141	156225	13512	174677	13512	174677	121575	3.17	4.49	10.56	46.87
fem_hifreq_circuit	z	LU	0.5M	20.2M	scotch6	19.17	1.56T	17638	282715	17638	130651	17741	132947	17741	132947	89385	8.06	0.44	9.17	3.99
					scotch6*	19.71	1.57T	10727	227921	10727	95268	10832	97639	10832	97639	64360	8.75	0.53	9.97	3.83
					scotch7	19.59	1.65T	17607	281382	17607	129848	17715	132325	17715	132325	88971	3.47	0.48	4.60	4.04
					scotch7*	20.12	1.65T	10708	227037	10708	95279	10817	97769	10817	97769	64561	3.37	0.49	5.75	4.01
					scotch8	18.80	1.72T	47831	740451	47831	410536	47942	413412	47942	413412	292730	3.78	0.70	5.68	3.87
					scotch8*	19.96	1.74T	13999	318242	13999	141846	14109	144499	14109	144499	93614	4.02	0.48	5.24	3.93
Flan_1565	d	LL^t	1.6M	59.5M	scotch6	27.54	3.73T	15213	267132	15213	107732	15918	125604	15918	125604	98089	16.81	1.54	28.96	20.44
					scotch6*	27.55	3.73T	13978	250934	13978	101842	14677	119236	14677	119236	92403	16.80	1.48	28.91	20.63
					scotch7	27.96	3.88T	15274	270167	15274	108527	15977	126634	15977	126634	98472	7.59	1.35	19.88	21.72
					scotch7*	27.97	3.88T	13996	253815	13996	102675	14700	120627	14700	120627	93208	20.31	1.65	33.01	21.64
					scotch8	25.78	3.75T	52103	814617	52103	466087	52825	486348	52825	486348	331299	8.45	2.04	22.06	21.25
					scotch8*	26.40	3.77T	26500	484579	26500	234107	27223	253815	27223	253815	180865	8.51	1.49	21.14	21.32
Geo_1438	d	LL^t	1.4M	32.3M	scotch6	81.93	17.14T	17138	410463	17138	150620	17909	183815	17909	183815	136072	13.18	7.43	26.79	96.03
					scotch6*	82.01	17.14T	14571	388551	14571	138303	15344	171376	15344	171376	126612	13.15	7.36	26.69	94.39
					scotch7	83.66	18.12T	17103	412553	17103	151399	17888	185097	17888	185097	136744	5.59	7.12	18.82	96.05
					scotch7*	83.74	18.12T	14607	391313	14607	139421	15388	172904	15388	172904	127809	5.74	9.26	21.34	97.31
					scotch8	81.52	18.69T	85920	1441105	85920	799734	86709	838048	86709	838048	606082	6.52	15.94	30.02	101.66
					scotch8*	82.77	18.70T	29895	779889	29895	334725	30688	372025	30688	372025	263331	6.62	7.14	20.66	99.94
Hook_1498	d	LL^t	1.5M	31.2M	scotch6	55.72	8.75T	43083	579628	43083	305875	43668	329443	43668	329443	223770	14.41	7.64	28.14	49.05
					scotch6*	56.22	8.75T	23963	477188	23963	229519	24543	252901	24543	252901	165177	14.42	3.14	23.48	48.11
					scotch7	56.82	8.99T	42996	582678	42996	305950	43587	329859	43587	329859	223269	5.61	3.59	15.33	50.85
					scotch7*	57.33	8.99T	23918	480022	23918	229309	24500	252566	24500	252566	164839	5.55	2.89	14.30	50.67
					scotch8	51.54	8.61T	198076	1885466	198076	1381775	198671	1409080	198671	1409080	992608	6.69	7.14	22.44	51.10
					scotch8*	53.89	8.63T	40810	797731	40810	439009	41409	464644	41409	464644	295167	6.85	5.57	18.98	51.24
Long_Coup_dt0	d	LDL^t	1.5M	44.3M	scotch6	100.44	51.95T	12078	320287	12078	120477	13118	179795	13118	179795	141080	10.97	10.63	30.23	239.59
					scotch6*	100.45	51.95T	11468	316074	11468	117889	12504	176933	12504	176933	138988	10.37	11.41	30.23	240.57
					scotch7	104.59	57.16T	12051	320198	12051	120768	13104	182203	13104	182203	143587	5.50	18.33	32.08	275.30
					scotch7*	104.61	57.16T	11418	315566	11418	117718	12476	179197	12476	179197	140317	5.50	16.09	30.04	272.82
					scotch8	95.50	48.94T	65741	1145429	65741	649704	66715	716378	66715	716378	527592	5.83	13.26	28.45	245.49
					scotch8*	96.38	48.96T	28684	750494	28684	348560	29657	413355	29657	413355	303808	5.67	12.39	26.80	234.58

Name	Prec	Fact.	N	NNZ	Ord.	Fill-in	Flops	Sym Fact 1		Sym Fact 2		Map/Sched		Symbolic structure			Timing (s)			
								cblk	blok	cblk	blok	cblk	blok	cblk	offdb	offdp	Ord.	Reord.	Analyze	Pred. Fact.
ML_Geer	d	LU	1.5M	110.9M	scotch6	20.00	4.19T	16078	215435	16078	93270	16483	103542	16483	103542	80268	29.21	0.99	33.20	21.44
					scotch6*	20.00	4.19T	15968	214531	15968	92863	16373	103135	16373	103135	79914	28.49	0.99	32.31	21.42
					scotch7	20.06	4.41T	16179	210571	16179	89832	16577	100507	16577	100507	80151	9.18	1.03	12.94	24.20
					scotch7*	20.06	4.41T	16052	209440	16052	89358	16450	100033	16450	100033	79723	9.36	1.08	13.39	24.20
					scotch8	19.25	4.51T	37366	511761	37366	225342	37779	237448	37779	237448	193163	11.06	1.36	15.34	23.17
					scotch8*	19.43	4.52T	27954	378286	27954	165280	28362	176858	28362	176858	143481	10.75	4.67	21.22	23.52
nlpkkt80	d	LDL^t	1.1M	14.9M	scotch6	150.48	23.57T	71924	1380173	71924	757065	72430	790811	72430	790811	360040	55.68	29.15	88.55	127.61
					scotch6*	150.48	23.57T	71907	1379862	71907	756949	72413	790696	72413	790696	359942	55.07	26.73	85.69	127.61
					scotch7	203.00	42.31T	97164	1721908	97164	1018641	97759	1064086	97759	1064086	473100	18.62	35.11	57.92	208.46
					scotch7*	203.00	42.31T	97138	1721373	97138	1018433	97733	1063875	97733	1063875	472957	18.75	35.14	58.23	208.46
					scotch8	138.85	19.63T	78455	1778693	78455	1030446	78974	1063155	78974	1063155	453979	22.85	30.84	58.05	104.46
					scotch8*	140.51	19.64T	68351	1515370	68351	821044	68872	853210	68872	853210	391168	22.17	24.94	50.96	104.66
PFlow_742	d	LL^t	0.7M	18.9M	scotch6	29.21	1.34T	68425	261421	68425	96027	68640	102284	68640	102284	64939	36.05	1.06	40.84	10.61
					scotch6*	29.28	1.34T	67897	251597	67897	92246	68113	98548	68113	98548	62750	35.23	0.99	39.84	10.69
					scotch7	31.49	1.53T	69135	286869	69135	109961	69384	116984	69384	116984	71178	12.80	1.69	18.09	11.54
					scotch7*	31.54	1.53T	68712	278809	68712	107184	68963	114296	68963	114296	69584	12.60	1.62	17.86	11.93
RM07R	d	LU	0.4M	37.5M	scotch6	55.04	17.35T	110264	51027	110264	19575	110594	34612	110594	34612	27058	3.61	8.73	13.93	82.74
					scotch6*	55.04	17.35T	110264	51027	110264	19575	110594	34612	110594	34612	27058	3.57	3.90	9.02	82.74
					scotch7	63.22	23.72T	110757	66973	110757	26455	111077	43298	111077	43298	32761	3.04	5.62	10.26	110.94
					scotch7*	63.22	23.72T	110757	66973	110757	26455	111077	43298	111077	43298	32761	3.04	5.92	10.56	110.94
					scotch8	61.28	22.89T	114592	145867	114592	76607	114913	95417	114913	95417	64767	3.16	6.72	11.59	101.35
					scotch8*	61.52	22.89T	112083	106750	112083	48301	112396	65858	112396	65858	46659	3.27	6.37	11.25	101.26
Serena	d	LL^t	1.4M	33.0M	scotch6	89.31	29.05T	23987	473547	23987	200474	24681	241499	24681	241499	170667	13.53	14.11	34.20	151.36
					scotch6*	89.50	29.05T	17259	425764	17259	170887	17956	212482	17956	212482	148717	16.85	10.70	35.52	156.84
					scotch7	90.31	30.05T	24010	474287	24010	199443	24695	240168	24695	240168	169329	5.82	13.19	25.36	159.68
					scotch7*	90.48	30.05T	17204	426646	17204	170049	17894	210996	17894	210996	148188	5.78	12.68	24.78	158.37
					scotch8	88.35	30.83T	99967	1558882	99967	926258	100677	975543	100677	975543	677393	6.73	21.56	36.14	162.70
					scotch8*	89.69	30.84T	30913	800835	30913	370358	31616	416495	31616	416495	277239	6.22	17.38	30.73	162.57
sparsine	d	LDL^t	0.1M	0.8M	scotch6	268.21	1.39T	417	106682	417	25717	496	29642	496	29642	10191	2.22	2.73	5.20	15.38
					scotch6*	268.21	1.39T	417	106682	417	25717	496	29642	496	29642	10191	2.22	2.75	5.22	15.38
					scotch7	262.97	1.32T	387	100958	387	23717	464	27159	464	27159	9047	2.20	3.04	5.49	14.23
					scotch7*	262.97	1.32T	387	100958	387	23717	464	27159	464	27159	9047	2.17	3.10	5.51	14.23
					scotch8	261.34	1.31T	805	165435	805	51084	890	56685	890	56685	17918	2.12	4.05	6.48	13.58
					scotch8*	261.72	1.31T	694	153794	694	46085	777	51504	777	51504	15964	2.15	4.03	6.47	13.76
StocF-1465	d	LL^t	1.5M	11.2M	scotch6	101.62	3.62T	64846	1163521	64846	417478	65296	435858	65296	435858	255298	41.09	2.14	46.35	19.90
					scotch6*	101.78	3.62T	62762	1127681	62762	404285	63209	422572	63209	422572	244661	40.22	2.02	45.32	19.84
					scotch7	102.24	3.64T	65180	1183945	65180	424041	65638	442192	65638	442192	257761	10.81	1.71	15.59	20.92
					scotch7*	102.39	3.64T	63139	1148810	63139	410925	63595	428893	63595	428893	247551	10.85	1.63	15.51	19.94
					scotch8	100.83	3.67T	80736	1598871	80736	624773	81187	643431	81187	643431	378027	13.80	2.11	19.27	20.32
					scotch8*	101.42	3.67T	72244	1397402	72244	528182	72694	546526	72694	546526	318007	12.43	1.99	17.59	20.20
Transport	d	LU	1.6M	23.5M	scotch6	115.88	10.02T	37726	1169627	37726	413897	38234	432434	38234	432434	255257	51.80	2.67	58.21	43.84
					scotch6*	116.03	10.03T	35655	1133811	35655	401329	36157	419440	36157	419440	245934	52.14	2.94	56.66	44.02
					scotch7	114.85	9.71T	37567	1194241	37567	408016	38077	426656	38077	426656	252374	9.81	2.30	13.66	41.70
					scotch7*	114.98	9.71T	35624	1162032	35624	396588	36134	415269	36134	415269	244053	9.76	2.26	13.64	41.42
					scotch8	116.78	10.78T	55583	1675116	55583	630623	56090	649835	56090	649835	389840	15.38	5.97	23.28	54.44
					scotch8*	117.44	10.78T	46244	1448569	46244	526488	46749	545319	46749	545319	323935	15.21	5.30	22.17	54.86

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								cblk	blok	cblk	blok	cblk	blok	cblk	offdb	offdp	Ord.	Reord.	Analyze	Pred. Fact.