Result	File	Variant	Total time	Alloc. Mem- ory	Peak Mem- ory	BA analysis time	BA mini- miza- tion time	Initial property automaton Locations	Initial property automaton Edges	Initial RCFG Loca- tions	Initial RCFG Edges	Initial product Locations	Initial prod- uct Edges	Optimi Prod- uct Loca- tions	zed Optimiz Prod- uct Edges	zed Trivial mod- ules	Determin <b>Nstic</b> deterministic mod- mod- ules ules	Remain	Avg Locs aderivial mod- ules	Locs deterministic modules	Avg Locs non- deter- minis- tic mod- ules
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06-postgreSQL_strmsrv.c	Default-LBE-Multi+SBE+SimplifyAssumesSBE.epf	0.25 s 3308.50 MB 54.14 N		4 8	3 114 150	278 714 257	645	3 0	0	_	3	0 0
06-postgreSQL_strmsrv.c	Default-LBE-Multi+SBE.epf	0.21 s 3307.50 MB 54.12 N		4 8	3 114 150	278 714 257	645	3 0	0	-	3	0 0
$06$ -postgreSQL_strmsrv.c	Default-LBE-Multi.epf	0.22 s 3308.50 MB 54.14 M		4 8	3 114 147	278   696   257	627	3 0	0	-	3	0 0
$06$ -postgreSQL_strmsrv.c	Default-LBE-SNME.epf	0.20 s 3307.50 MB 54.12 N		4 8	3 114 147	278   696   244	614	2   0	0	-	3	0 0
$06$ -postgreSQL_strmsrv.c	Default-LBE-Single.epf	0.18 s 3308.50 MB 81.21 N		4 8	3 114 147	278   696   244	614	2   0	0	-	3	0 0
06-postgreSQL_strmsrv.c	None+SBE+SimplifyAssumesSBE.epf	0.21 s 3307.50 MB 81.18 N		4 8	3 114 150	278 714 278	714	3 0	0	-	3	0 0
06-postgreSQL_strmsrv.c	None+SBE.epf	0.21 s 3308.00 MB 81.18 M		4 8	3 114 150	278 714 278	714	3 0	0	-	3	0 0
06-postgreSQL_strmsrv.c 07-postgreSQL_strmsrv_wbug.c	None.epf Default-LBE-Multi+NondetBuchi.epf	0.19 s 3307.50 MB 54.12 M 0.19 s 3308.50 MB 81.21 M		4 8	3 114 147 3 114 147	278 696 278 278 696 257	696 629	3 0	0	-	ა ე	0 0
07-postgreSQL_strmsrv_wbug.c	Default-LBE-Multi+SBE+SimplifyAssumesSBE.epf	0.19 s 3308.50 MB 81.21 N 0.21 s 3307.50 MB 81.18 N		4 6	3 114 147 3 114 150	278 714 257	647	3 0	0	-	3	0 0
07-postgreSQL_strmsrv_wbug.c	Default-LBE-Multi+SBE.epf	0.19 s 3308.50 MB 81.21 N		4 8	3 114 150 3 114 150	278 714 257	647	3 0	0	_	3	0 0
07-postgreSQL_strmsrv_wbug.c	Default-LBE-Multi.epf	0.19 s 3307.50 MB 81.18 N		4 8	3 114 147	278 696 257	629	3 0	0	_	3	0 0
07-postgreSQL_strmsrv_wbug.c	Default-LBE-SNME.epf	0.17 s 3308.50 MB 81.21 M		4 8	3 114 147	278 696 244	616	2 0	0	-	3	0 0
$07$ -postgreSQL_strmsrv_wbug.c	Default-LBE-Single.epf	0.18 s 3307.50 MB 81.18 M	10   3   0.05   s   0.00   s	4 8	3 114 147	278   696   244	616	2   0	0	-	3	0 0
$07\text{-}postgreSQL\_strmsrv\_wbug.c}$	None+SBE+SimplifyAssumesSBE.epf	0.20 s 3308.50 MB 81.21 M		4 8	3 114 150	278   714   278	714	3 0	0	-	3	0 0
$07\text{-}postgreSQL\_strmsrv\_wbug.c}$	None+SBE.epf	0.18 s 3307.00 MB 81.15 M		4 8	3 114 150	278   714   278	714	3 0	0	-	3	0 0
07-postgreSQL_strmsrv_wbug.c	None.epf	0.18 s 3308.50 MB 81.21 M		4 8	3 114 147	278 696 278	696	3 0	0	-	3	0 0
10-postgreSQL_dropbuf_prop2.c	Default-LBE-Multi+NondetBuchi.epf	0.33 s 3307.50 MB 106.64 M		2 3	84 108	155 257 138	223	$\begin{array}{ccc} 2 & 0 \\ \end{array}$	1	-	3	0 9
10-postgreSQL_dropbuf_prop2.c	Default-LBE-Multi+SBE+SimplifyAssumesSBE.epf	0.32 s 3308.50 MB 134.96 N		2 3	84 110	155 263 138	229	$\frac{2}{2}$ $\frac{1}{2}$	0	-	3	0 0
$10$ -postgreSQL_dropbuf_prop2.c $10$ -postgreSQL_dropbuf_prop2.c	Default-LBE-Multi+SBE.epf Default-LBE-Multi.epf	0.31 s 3307.50 MB 106.64 M 0.31 s 3308.50 MB 134.96 M		2 3	8 84 110 8 84 108	155 263 138 155 257 138	$\frac{229}{223}$	2 I 9 1	U N	-	ა ვ	υ U
10-postgreSQL_dropbuf_prop2.c 10-postgreSQL_dropbuf_prop2.c	Default-LBE-Multi.epf Default-LBE-SNME.epf	0.31 s 3308.50 MB 134.96 M 0.32 s 3307.50 MB 106.64 M		2 3	84 108 8 84 108	155 257 138 155 257 120	$\frac{223}{205}$	2 1	0	- -	3	6 n
10-postgreSQL_dropbuf_prop2.c	Default-LBE-Sivine.epf	0.31 s 3308.50 MB 112.47 M		2	84 108	155 $257$ $120$ $155$ $257$ $120$	$\frac{205}{205}$	2 1	0	-	3	6 0
10-postgreSQL_dropbuf_prop2.c	None+SBE+SimplifyAssumesSBE.epf	0.33 s 3307.50 MB 106.64 N		2	84 110	155 263 155	$\frac{263}{263}$	2 1	0	-	3	6 0
$10$ -postgreSQL_dropbuf_prop2.c	None+SBE.epf	0.34 s 3308.50 MB 112.47 M		$\overline{2}$	84 110	155 263 155	263	$\overline{2}$ $\overline{1}$	0	_	3	6 0
10-postgreSQL_dropbuf_prop2.c	None.epf	0.34 s 3307.50 MB 106.64 N		2 3	84 108	155 257 155	257	2 1	0	-	3	6 0
12-apache_progress.c	Default-LBE-Multi+NondetBuchi.epf	0.85  s 5718.00 MB 211.17 M	1B $5   0.46   s   0.02   s$	2 3	376 476	845 1.3 K 781	$1.2~\mathrm{K}$	$4 \qquad 0$	0	-	4	0 0
12-apache_progress.c	lem:lem:lem:lem:lem:lem:lem:lem:lem:lem:	0.79 s 5718.00 MB 184.59 N		2 3	376 477	845 1.3 K 781	$1.2~\mathrm{K}$	4   0	0	-	4	0 0
12-apache_progress.c	Default-LBE-Multi+SBE.epf	0.74 s 5718.00 MB 184.97 N		2 3	376 477	845 1.3 K 781	$1.2~\mathrm{K}$	4 0	0	-	4	0 0
12-apache_progress.c	Default-LBE-Multi.epf	0.69 s 5718.00 MB 167.20 N		2 3	376 476	845 1.3 K 781	1.2 K	4 0	0	-	3	0 0
12-apache_progress.c	Default-LBE-SNME.epf	0.71 s 5691.00 MB 229.36 M		$\frac{2}{2}$	376 476	845 1.3 K 716	1.1 K	3 0	0	-	4	0 0
12-apache_progress.c	Default-LBE-Single.epf	0.69 s 4808.50 MB 228.26 M 0.85 s 5360.50 MB 221.96 M		2 3	376 476 376 477	845 1.3 K 718 845 1.3 K 845	1.1 K 1.3 K	3 0	0	-	4	0 0
12-apache_progress.c 12-apache_progress.c	None+SBE+SimplifyAssumesSBE.epf None+SBE.epf	0.69 s 4808.50 MB 221.90 N		9 9	376 477 3 376 477	845 1.3 K 845	1.3 K 1.3 K	4 0	0	-	3	0 0
12-apache_progress.c 12-apache_progress.c	None.epf	0.70 s 5160.00 MB 174.22 N		9 9	376 477	845 1.3 K 845	1.3 K 1.3 K	4 0	0	-	3 3	0 0
13-windows_os_frag1.c	Default-LBE-Multi+NondetBuchi.epf	23.51 s 5146.00 MB 981.00 M		2 3	3 151 189	319 523 283	450	1 0	1	_	3	$0 \qquad 7$
13-windows_os_frag1.c	Default-LBE-Multi+SBE+SimplifyAssumesSBE.epf	2.08 s 5119.50 MB 31.43 N		2 3	3 151 193	319 535 283	458	1 1	0	_	3	6 0
13-windows_os_frag1.c	Default-LBE-Multi+SBE.epf	2.33 s 5088.50 MB 114.90 N		2 3	B 151 193	319 535 283	458	1 1	0	-	3	6 0
13-windows_os_frag1.c	Default-LBE-Multi.epf	23.97 s 5104.50 MB 111.57 M	$^{1}$ B $^{2}$ 3 $^{2}$ 3.87 s $^{0}$ 0.00 s	2 3	B 151 189	319   523   283	450	1 1	0	-	3	6 0
13-windows_os_frag1.c	Default-LBE-SNME.epf	23.86 s 5113.50 MB 660.90 N	$^{1}$ B $^{2}$ 3 $^{2}$ 3.75 s $^{2}$ 0.00 s	2 3	B 151 189	319   523   258	425	1 1	0	-	3	6 0
$13$ -windows_os_frag1.c	Default-LBE-Single.epf	41.66 s 5129.00 MB 853.93 N		2 3	3 151 189	319   523   258	425	1 1	0	-	3	6 0
13-windows_os_frag1.c	None+SBE+SimplifyAssumesSBE.epf	2.24 s 5136.00 MB 32.24 N		2 3	151 193	319   535   319	535	2 1	0	-	2	6 0
13-windows_os_frag1.c	None+SBE.epf	1.87 s 5139.50 MB 939.07 N		2 3	B 151 193	319 535 319	535	2 1	0	-	2	6 0
13-windows_os_frag1.c	None.epf	20.99 s 5165.00 MB 273.37 N		2 3	151 189	319 523 319	523	2 1	0	-	$\frac{2}{2}$	6 0
14-windows_os_frag2.c	Default-LBE-Multi+NondetBuchi.epf	0.09 s 5164.50 MB 32.67 M		2 4	87 116	167 397 118	353	$\begin{array}{ccc} 1 & 0 \\ 1 & 0 \end{array}$	0	-	3	0 0
14-windows_os_frag2.c 14-windows_os_frag2.c	Default-LBE-Multi+SBE+SimplifyAssumesSBE.epf Default-LBE-Multi+SBE.epf	0.10 s 5151.50 MB 32.72 M 0.09 s 4988.50 MB 32.72 M		2 4	87 117 87 117	167 401 118 167 401 118	$357 \\ 357$	1 0	0	-	ა ვ	0 0
14-windows_os_frag2.c 14-windows_os_frag2.c	Default-LBE-Multi.epf	0.10 s 5111.00 MB 32.72 N		2 2	87 116	167 401 118 167 397 118	353	1 0	0	-	3	0 0
14-windows_os_frag2.c	Default-LBE-SNME.epf	0.08 s 4988.50 MB 32.72 N		2	87 116	167 397 118 167 397 152	357	1 0	0	_	3	0 0
14-windows_os_frag2.c	Default-LBE-Single.epf	0.08 s 5073.50 MB 21.81 M		$\frac{1}{2}$	87 116	167 397 152	357	1 0	0	_	3	0 0
14-windows_os_frag2.c	None+SBE+SimplifyAssumesSBE.epf	0.10 s 4988.50 MB 21.81 M		2	87 117	167 401 167	401	$2 \qquad 0$	0	-	2	0 0
14-windows_os_frag2.c	None+SBE.epf	0.09 s 5044.50 MB 21.81 M	1000000000000000000000000000000000000	2	87 117	167   401   167	401	2 0	0	-	2	0 0
$14$ -windows_os_frag $2.c$	None.epf	0.09  s 4988.50 MB 32.72 M		2	87 116	167   397   167	397	$2 \qquad 0$	0	-	2	0 0
16-windows_os_frag3.c	Default-LBE-Multi+NondetBuchi.epf	0.06 s 4988.50 MB 32.72 N		2 4	26 40	57 120 49	112	2 0	0	-	3	0 0
16-windows_os_frag3.c	Default-LBE-Multi+SBE+SimplifyAssumesSBE.epf	0.06 s 4999.50 MB 32.72 N		2 4	26 40	57 120 49	112	2 0	0	-	3	0 0
16-windows_os_frag3.c 16-windows_os_frag3.c	Default-LBE-Multi+SBE.epf Default-LBE-Multi.epf	0.07 s 4988.50 MB 32.72 M 0.06 s 4998.00 MB 32.72 M		2 4	1 26 40 1 26 40	57 120 49 57 120 49	$\frac{112}{112}$	2 0	0	-	ა ე	0 0
16-windows_os_frag3.c 16-windows_os_frag3.c	Default-LBE-Nuft.epf Default-LBE-SNME.epf	0.00 s 4998.00 MB 32.72 N 0.07 s 4988.50 MB 32.72 N		2	26 40 4 26 40	57 120 49 57 120 56	112	2 0	0	-	3	0 0
16-windows_os_frag3.c	Default-LBE-Single.epf	0.06 s 4997.00 MB 32.72 N		2	26 40	57 120 56	113	2 0	0	_	3	0 0
16-windows_os_frag3.c	None+SBE+SimplifyAssumesSBE.epf	0.06 s 4988.50 MB 32.72 N		$\frac{1}{2}$	26 40	57 120 57	120	$\begin{array}{ccc} 0 & 0 \\ \end{array}$	0	_	3	0 0
16-windows_os_frag3.c	None+SBE.epf	0.06 s 4996.50 MB 32.72 N		2	26 40	57 120 57	120	2 0	0	-	3	0 0
16-windows_os_frag3.c	None.epf	0.06 s 4988.50 MB 32.72 M	1B $3 - 0.02  s - 0.00  s$	2	26 40	57 120 57	120	2 0	0	-	3	0 0
17-windows_os_frag4_prop1.c	Default-LBE-Multi+NondetBuchi.epf	1.90 s 4997.00 MB 43.52 N		2 3	380	660 1.1 K 588	919	1 0	5	-	3	0 7
17-windows_os_frag4_prop1.c	Default-LBE-Multi+SBE+SimplifyAssumesSBE.epf	1.03 s 5008.50 MB 424.97 N		2	381	660 1.1 K 588	922	1 3	0	-	4	5 0
17-windows_os_frag4_prop1.c	Default-LBE-Multi+SBE.epf	0.97 s 4994.00 MB 410.03 N		2 3	381	660 1.1 K 588	922	1 3	0	-	3	5 0
17-windows_os_frag4_prop1.c 17-windows_os_frag4_prop1.c	Default-LBE-Multi.epf Default-LBE-SNME.epf	1.02 s 5010.50 MB 424.97 M 0.99 s 4994.00 MB 388.45 M		2 3	3 285 380 3 285 380	660 1.1 K 588 660 1.1 K 503	919 834	1 3	U O	-	4 2	θ 0 5 0
17-windows_os_frag4_prop1.c 17-windows_os_frag4_prop1.c	Default-LBE-Sivine.epf Default-LBE-Single.epf	0.98 s 5011.50 MB 382.48 M		2 9	380 380 380	660 1.1 K 503	834	1 3	0	-	3	5 0
17-windows_os_frag4_prop1.c	None+SBE+SimplifyAssumesSBE.epf	0.99 s 4994.00 MB 410.03 N		2 3	3 285 381	660 1.1 K 660	1.1 K	1 3	0	_	3	5 0
17-windows_os_frag4_prop1.c	None+SBE.epf	1.05 s 5012.50 MB 403.73 N		2	3 285 381	660 1.1 K 660	1.1 K	1 3	0	-	3	5 0
17-windows_os_frag4_prop1.c	None.epf	0.97 s 4994.00 MB 388.45 N		2	3 285 380	660 1.1 K 660	1.1 K	1 3	0	-	3	5 0
19-windows_os_frag5.c	Default-LBE-Multi+NondetBuchi.epf	21.99 s 5916.50 MB 327.25 M	IB 18 21.26 s 0.16 s	2	3 434 528	880 1.5 K 639	955	1 0	16	-	3	0 8
19-windows_os_frag5.c	${\bf Default\text{-}LBE\text{-}Multi\text{+}SBE\text{+}Simplify} \\ {\bf AssumesSBE.epf}$	22.86 s 5676.50 MB 388.40 M		2 3	3 434 531	880 1.5 K 639	961	1 16	0	-	3	6 0
19-windows_os_frag5.c	Default-LBE-Multi+SBE.epf	22.40 s 5259.50 MB 158.46 N		2 3	3 434 531	880 1.5 K 639	961	1 16	0	-	3	6 0
19-windows_os_frag5.c	Default-LBE-Multi.epf	22.30 s 5176.50 MB 699.01 M		2 3	3 434 528	880 1.5 K 639	955	1 16	0	-	3	6 0
19-windows_os_frag5.c	Default-LBE-SNME.epf	22.24 s 5197.00 MB 348.65 M		2 3	3 434 528	880 1.5 K 408	725	1 16	0	-	3	6 0
19-windows_os_frag5.c 19-windows_os_frag5.c	Default-LBE-Single.epf None+SBE+SimplifyAssumesSBE.epf	22.18 s 5218.50 MB 81.54 M 22.06 s 5243.00 MB 763.80 M		2 3	3 434 528 3 434 531	880 1.5 K 442 880 1.5 K 880	758 1.5 K	1 16 1 16	0	-	ა ე	σ 0 6 0
19-windows_os_frag5.c 19-windows_os_frag5.c	None+SBE+SimplifyAssumesSBE.epi None+SBE.epf	22.06 s 5243.00 MB 763.80 M 22.08 s 5262.00 MB 557.84 M		9 5	3 434 531 3 434 531	880 1.5 K 880 880 1.5 K 880	1.5 K 1.5 K	1 16 1 16	0	<del>-</del>	3	6 0
19-windows_os_frag5.c	None.epf	22.10 s 5202.00 MB 537.04 M 22.13 s 5281.00 MB 354.15 M		2	3 434 528	880 1.5 K 880	1.5 K 1.5 K	1 16	0	-	3	6 0
22-windows_os_frag7.c	Default-LBE-Multi+NondetBuchi.epf	0.71 s 5310.00 MB 287.89 N		2 8	38 55	75 136 38	70	3 0	11	_	3	0 7
22-windows_os_frag7.c	Default-LBE-Multi+SBE+SimplifyAssumesSBE.epf	1.11 s 5332.00 MB 461.13 M		2 3	38 56	75 139 39	75	3 13	0	-	3	5 0
22-windows_os_frag7.c	Default-LBE-Multi+SBE.epf	1.16 s 5310.00 MB 479.84 M	17   1.11   s   0.07   s	2	38 56	75   139   39	75	3 13	0	-	3	5 0
22-windows_os_frag7.c	Default-LBE-Multi.epf	0.99 s 5330.50 MB 388.32 M		2	38 55	75 136 38	70	3 11	0	-	3	5 0
22-windows_os_frag7.c	Default-LBE-SNME.epf	0.95 s 5310.00 MB 383.86 N	IB 14 $0.91 \text{ s}$ $0.05 \text{ s}$	2	38 55	75 136 56	90	2 11	0	-	4	5 0

	22-windows_os_frag7.c 22-windows_os_frag7.c 22-windows_os_frag7.c 22-windows_os_frag7.c 23-windows_os_frag8.c 23-windows_os_frag8.c 23-windows_os_frag8.c 23-windows_os_frag8.c	Default-LBE-Single.epf None+SBE+SimplifyAssumesSBE.epf None+SBE.epf None.epf Default-LBE-SNME.epf Default-LBE-Single.epf None+SBE.epf None+SBE.epf None.epf	0.95 s 5328.50 MB 388.32 MB 1.05 s 5310.00 MB 431.84 MB 1.07 s 5327.50 MB 436.86 MB 0.96 s 5310.00 MB 407.85 MB 34.22 s 7604.00 MB 1223.84 MB 34.18 s 7529.50 MB 741.31 MB 34.88 s 7575.00 MB 291.17 MB 34.56 s 7589.50 MB 1960.12 MB	14  0.91 s  0.04 s 15  1.01 s  0.05 s 16  1.02 s  0.05 s 14  0.91 s  0.04 s 60  34.15 s  1.62 s 60  34.12 s  1.69 s 62  34.82 s  1.68 s 61  34.51 s  1.65 s	2 3 2 3 2 3 2 3 2 4 2 4 2 4 2 4	38 5	3 176 410 4 176 414	56 90 75 139 75 139 75 136 157 375 157 375 176 414 176 410	2 11 2 12 3 12 2 11 4 55 4 55 5 56 5 55	0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -	4 3 3 3 3 3 2 2	5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0
Timeout	04-toylinarith1.c 04-toylinarith1.c 04-toylinarith1.c 05-toylinarith2.c 05-toylinarith2.c 05-toylinarith2.c 11-apache_accept_liveness.c 18-windows_os_frag4_prop2.c 18-windows_os_frag4_prop2.c 18-windows_os_frag4_prop2.c 18-windows_os_frag4_prop2.c 18-windows_os_frag4_prop2.c 18-windows_os_frag4_prop2.c 18-windows_os_frag4_prop2.c 20-windows_os_frag6.c	Default-LBE-Multi+SBE+SimplifyAssumesSBE.epf Default-LBE-Multi+SBE.epf Default-LBE-Multi+SBE.epf Default-LBE-Multi+SBE+SimplifyAssumesSBE.epf Default-LBE-Multi+SBE+SimplifyAssumesSBE.epf Default-LBE-Multi+SBE.epf Default-LBE-Multi+SBE.epf Default-LBE-Multi+SBE.epf Default-LBE-Multi+SBE.epf Default-LBE-Multi+SBE.epf Default-LBE-Multi+SBE.epf Default-LBE-Multi-SBE.epf Default-LBE-SNME.epf Default-LBE-Single.epf None+SBE+SimplifyAssumesSBE.epf Default-LBE-Multi+SBE+SimplifyAssumesSBE.epf Default-LBE-Multi+SBE.epf Default-LBE-Multi+SBE.epf Default-LBE-Multi-SBE.epf Default-LBE-SNME.epf Default-LBE-Single.epf None+SBE+SimplifyAssumesSBE.epf None+SBE+SimplifyAssumesSBE.epf Default-LBE-Multi+SBE+SimplifyAssumesSBE.epf Default-LBE-Multi+SBE.epf Default-LBE-Multi+SBE.epf Default-LBE-Multi-SBE.epf Default-LBE-Multi-SBE.epf Default-LBE-SNME.epf Default-LBE-Single.epf None+SBE+SimplifyAssumesSBE.epf None+SBE+SimplifyAssumesSBE.epf None+SBE-SimplifyAssumesSBE.epf Default-LBE-Multi+SBE-SBE.epf Default-LBE-Multi+SBE-SBE.epf Default-LBE-Multi+SBE-SBE.epf Default-LBE-Multi+SBE-SimplifyAssumesSBE.epf	86.89 s 3309.00 MB 2588.82 MB 159.33 s 3310.50 MB 2588.81 MB 228.59 s 3310.50 MB 2658.13 MB 229.63 s 3306.00 MB 2695.29 MB 65.05 s 3313.00 MB 2582.91 MB 135.66 s 3312.00 MB 2597.58 MB 64.99 s 3312.00 MB 2580.56 MB 64.78 s 3312.00 MB 2580.23 MB 74.00 s 8100.00 MB 7637.51 MB 82.20 s 7493.00 MB 7004.48 MB 66.43 s 7282.00 MB 5724.11 MB 73.34 s 7282.00 MB 6712.53 MB 92.64 s 7282.00 MB 6712.53 MB 62.51 s 7282.00 MB 6765.32 MB 70.91 s 7250.00 MB 6809.79 MB 67.27 s 7282.00 MB 6737.68 MB 64.19 s 7282.00 MB 6737.68 MB 64.17 s 7282.00 MB 6742.09 MB 60.43 s 7282.00 MB 6742.09 MB 60.43 s 7282.00 MB 641.26 MB 66.66 s 7282.00 MB 6821.59 MB 66.66 s 7282.00 MB 6821.59 MB 66.66 s 7282.00 MB 6838.85 MB 60.34 s 5282.50 MB 2121.55 MB 79.86 s 5286.00 MB 2176.54 MB 60.63 s 5351.00 MB 2201.96 MB 67.36 s 5710.50 MB 2281.91 MB 60.32 s 5310.00 MB 2389.47 MB 60.32 s 5310.00 MB 2389.47 MB 60.32 s 5310.00 MB 2138.19 MB 60.32 s 5310.00 MB 2138.19 MB 60.32 s 5310.00 MB 2138.19 MB 60.33 s 7282.00 MB 1577.29 MB 60.43 s 7282.00 MB 1577.29 MB 60.33 s 7282.00 MB 1577.29 MB 60.34 s 7282.00 MB 1577.29 MB 60.35 s 7282.00 MB 1577.29 MB 60.36 s 7282.00 MB 1577.29 MB 60.37 s 7282.00 MB 1577.29 MB 60.30 s 7282.00 MB 1577.29 MB 60.	0       0.00 s       0.00 s         17       60.29 s       43.83 s         14	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	36 4 36 4 36 4 46 5 46 5 46 5 46 5 376 47 376 47 376 47 376 47 376 47 376 47 271 36 27	7     845     1.3 K       7     845     1.3 K       6     845     1.3 K       6     845     1.3 K       7     845     1.3 K       8     45     1.3 K       8     336     380       8     336     381       8     336     381       8     336     380       8     336     380       8     336     381       8     336     381       8     336     381       8     336     381       8     336     381       8     336     381       8     336     381       8     336     381       8     336     381       8     336     381       8     336     381       8     336     381       8     336     381       8     336     381       8     336     381       8     37     173       8     35     177       8     17     173       9     17     173       16     75     173       17     175     175 </td <td>806 1.3 K 806 1.3 K 806 1.3 K 806 1.3 K 806 1.3 K 770 1.2 K 770 1.2 K 845 1.3 K 307 340 307 341 307 341 307 341 307 341 307 340 136 169 136 169 136 169 136 169 136 169 137 18 108 18 108 18 108 19 108 108 108 108 108 108 108 108 108 108</td> <td>12 0 7 7 7 7 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6</td> <td>Decomposition not yet finished Decomposition not yet finished</td> <td></td> <td></td>	806 1.3 K 806 1.3 K 806 1.3 K 806 1.3 K 806 1.3 K 770 1.2 K 770 1.2 K 845 1.3 K 307 340 307 341 307 341 307 341 307 341 307 340 136 169 136 169 136 169 136 169 136 169 137 18 108 18 108 18 108 19 108 108 108 108 108 108 108 108 108 108	12 0 7 7 7 7 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Decomposition not yet finished		
Error	11-apache_accept_liveness.c 11-apache_accept_liveness.c 18-windows_os_frag4_prop2.c	None+SBE.epf None.epf None.epf	625.18 s 7282.00 MB 6774.62 MB 609.55 s 5729.00 MB 6770.13 MB 568.97 s 7282.00 MB 6839.29 MB	0 0.00 s 0.00 s 0 0.00 s 0.00 s 0 0.00 s 0.00 s 0 0.00 s 0.00 s	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{rrr}     376 & 47 \\     376 & 47 \\     271 & 36 \end{array} $	77 845 1.3 K 76 845 1.3 K	845 1.3 K 845 1.3 K 336 380			- - -	
	coolant_basis_1_neg.c coolant_basis_2_neg.c coolant_basis_2_neg.c coolant_basis_2_neg.c coolant_basis_2_neg.c coolant_basis_2_neg.c coolant_basis_2_neg.c coolant_basis_3_neg.c coolant_basis_4_1_neg.c coolant_basis_4_1_	Default-LBE-Multi+NondetBuchi.epf Default-LBE-Multi+SBE+SimplifyAssumesSBE.epf Default-LBE-Multi-SBE.epf Default-LBE-SNME.epf Default-LBE-Single.epf None+SBE+SimplifyAssumesSBE.epf None+SBE.epf None.epf Default-LBE-Multi+NondetBuchi.epf Default-LBE-Multi+SBE+SimplifyAssumesSBE.epf Default-LBE-Multi+SBE.epf Default-LBE-Multi-SBE.epf Default-LBE-Multi-SBE.epf Default-LBE-Single.epf None+SBE+SimplifyAssumesSBE.epf None+SBE.epf None+SBE.epf None.epf Default-LBE-Multi+NondetBuchi.epf Default-LBE-Multi+SBE.epf Default-LBE-Multi+SBE.epf Default-LBE-Multi-SBE.epf Default-LBE-Multi-SBE.epf Default-LBE-Single.epf None+SBE-SimplifyAssumesSBE.epf None+SBE-SimplifyAssumesSBE.epf Default-LBE-Multi+NondetBuchi.epf Default-LBE-Multi+SBE+SimplifyAssumesSBE.epf Default-LBE-Multi+SBE.epf Default-LBE-Multi+SBE.epf Default-LBE-Multi+SBE.epf Default-LBE-Single.epf None+SBE-simplifyAssumesSBE.epf Default-LBE-Single.epf None+SBE-simplifyAssumesSBE.epf Default-LBE-Multi+SBE-simplifyAssumesSBE.epf Default-LBE-Multi-SBE-simplifyAssumesSBE.epf Default-LBE-Multi-SBE-simplifyAssumesSBE.epf Default-LBE-Multi-SBE-simplifyAssumesSBE.epf Default-LBE-Simple.epf Default-LBE-Simple.epf Default-LBE-Simple.epf Default-LBE-Simple.epf Default-LBE-Simple.epf	0.43 s 1305.00 MB 148.35 MB 0.45 s 1307.00 MB 131.21 MB 0.46 s 1307.50 MB 134.90 MB 0.38 s 1308.00 MB 132.75 MB 2.52 s 1308.00 MB 587.48 MB 2.21 s 1411.00 MB 421.31 MB 2.69 s 1696.00 MB 419.96 MB 2.34 s 1778.00 MB 407.52 MB 2.17 s 1876.00 MB 117.89 MB 0.40 s 1912.50 MB 139.25 MB 0.36 s 1912.50 MB 139.25 MB 0.36 s 1912.50 MB 139.38 MB 3.00 s 1912.50 MB 139.38 MB 3.00 s 1912.50 MB 147.06 MB 2.48 s 2130.50 MB 102.40 MB 2.66 s 2224.50 MB 271.30 MB 2.39 s 2261.00 MB 1759.72 MB 190 s 2325.50 MB 1615.82 MB 0.24 s 2261.00 MB 109.63 MB 2.19 s 2313.00 MB 1862.29 MB 0.23 s 2379.50 MB 77.24 MB 2.40 s 2372.00 MB 133.34 MB 2.37 s 2443.50 MB 62.73 MB 2.11 s 2472.00 MB 1805.50 MB 2.11 s 2472.00 MB 103.69 MB 0.42 s 3182.50 MB 103.70 MB 0.42 s 3182.50 MB 103.70 MB 0.42 s 3182.50 MB 103.70 MB 0.42 s 3192.00 MB 103.69 MB 0.42 s 3182.50 MB 103.70 MB 0.42 s 3192.00 MB 103.69 MB 0.42 s 3192.00 MB 103.69 MB 0.42 s 3182.50 MB 103.70 MB 0.42 s 3182.50 MB 103.70 MB 0.42 s 3182.50 MB 103.70 MB 0.42 s 3192.00 MB 103.69 MB 0.59 s 3182.50 MB 103.70 MB 0.59 s 3182.50 MB 103.70 MB 0.59 s 3182.50 MB 103.70 MB 0.55 s 3190.00 MB 155.54 MB 0.59 s 3182.50 MB 155.54 MB 0	4 0.33 s 0.01 s 4 0.34 s 0.01 s 4 0.34 s 0.01 s 3 0.29 s 0.00 s 3 2.45 s 0.00 s 3 2.63 s 0.00 s 3 2.28 s 0.01 s 3 2.11 s 0.00 s 4 0.32 s 0.01 s 4 0.29 s 0.00 s 4 0.29 s 0.00 s 3 2.42 s 0.00 s 3 2.51 s 0.00 s 4 0.29 s 0.00 s 4 0.29 s 0.00 s 3 2.42 s 0.01 s 3 2.51 s 0.00 s 3 2.42 s 0.01 s 3 2.51 s 0.00 s 3 2.42 s 0.01 s 3 2.60 s 0.01 s 3 2.33 s 0.01 s 2 1.83 s 0.00 s 2 1.83 s 0.00 s 2 0.17 s 0.00 s 2 1.83 s 0.00 s 2 0.16 s 0.00 s 2 2.34 s 0.00 s 2 2.31 s 0.00 s 2 2.34 s 0.00 s 2 2.05 s 0.00 s 2 2.05 s 0.00 s 2 2.09 s 0.00 s 2 0.29 s 0.00 s 2 0.29 s 0.00 s 2 0.29 s 0.00 s 3 0.30 s 0.00 s 3 0.31 s 0.00 s 4 0.32 s 0.01 s 4 0.45 s 0.01 s 5 0.50 s 0.01 s 5 0.51 s 0.02 s 6 0.54 s 0.01 s 6 0.51 s 0.02 s	2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3	72 9 72 9 72 9 72 9 72 9 72 9 72 9 73 9 73 9 73 9 73 9 73 9 73 9 73 9 73	15     150     248       16     150     251       16     150     251       15     150     248       15     150     248       15     150     248       16     150     251       16     150     251       15     150     248       14     146     304       15     146     308       15     146     308       146     308	39       76         40       79         40       79         39       76         114       187         114       187         148       248         148       248         148       245         39       74         40       77         40       77         39       74         114       185         150       251         150       251         150       248         98       250         99       254         99       254         98       250         122       253         146       308         146       308         146       308         146       308         146       308         146       304         98       273         100       280         98       273         160       344         160       344         160       344         160       344         193       427	2 0 2 1 2 1 0 1 0	1 Nonterminating 0 Nonterminating 1 Nonterminating 0 Nonterminating	3 3 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	0         4           4         0           4         0           4         0           6         0           6         0           6         0           6         0           0         4           4         0           4         0           4         0           4         0           6         0           7         0           7         0           7         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0

coolant_basis_4_1_unsafe_sftyliveness.c	None.epf	0.62 s 3190.00 MB	155.54 MB	5 0.51 s 0.01 s	1 8	8 67	88 1	195 439	195 439	4	0	0	Nonterminating	3 (	0 0
coolant_basis_4_2_unsafe_sftyliveness.c	Default-LBE-Multi+NondetBuchi.epf	4.40 s 3182.50 MB	2022.08 MB	5 4.28 s 0.07 s	4 8	69		209 483	112 342	4	0	0	Nonterminating	3 (	0 0
coolant_basis_4_2_unsafe_sftyliveness.c	Default-LBE-Multi+SBE+SimplifyAssumesSBE.epf	4.18 s 3198.50 MB	2073.86 MB	4 4.02 s 0.04 s	4 8	8 69		209 489	113 349	3	0	0	Nonterminating	4 (	$0 \qquad 0$
coolant_basis_4_2_unsafe_sftyliveness.c	Default-LBE-Multi+SBE.epf	4.07 s 3182.50 MB	1920.22 MB	4 3.93 s 0.04 s	4 8	8 69		209 489	113 349	3	0	0	Nonterminating	4 (	$0 \qquad 0$
coolant_basis_4_2_unsafe_sftyliveness.c	Default-LBE-Multi.epf	4.38 s 3209.50 MB	2022.51 MB	6 4.24 s 0.04 s	4 8	8 69		209 483	112 342	5	0	0	Nonterminating	3 (	0 0
coolant_basis_4_2_unsafe_sftyliveness.c	Default-LBE-SNME.epf	3.65 s 3182.50 MB	1885.67 MB	5  3.54  s  0.02  s	4 8	8 69		209 483	178 403	4	0	0	Nonterminating	3 (	0 0
coolant_basis_4_2_unsafe_sftyliveness.c	Default-LBE-Single.epf	4.56 s 3215.00 MB	2348.92 MB	6   4.46   s   0.02   s	4 8	8 69		209 483	178 403	5	0	0	Nonterminating	3 (	0 0
coolant_basis_4_2_unsafe_sftyliveness.c	None+SBE+SimplifyAssumesSBE.epf	4.55 s 3182.50 MB	$2366.56~\mathrm{MB}$	6   4.39   s   0.02   s	4 8	8 69		209 489	209 489	5	0	0	Nonterminating	3 (	0 0
coolant_basis_4_2_unsafe_sftyliveness.c	None+SBE.epf	4.49 s 3218.50 MB	2238.18  MB	6   4.38  s   0.03  s	4 8	8 69	94	209 489	209 489	5	0	0	Nonterminating	3 (	0 0
coolant_basis_4_2_unsafe_sftyliveness.c	None.epf	4.49  s $3182.50  MB$	$2366.91~\mathrm{MB}$	6   4.39   s   0.02   s	4 8	8 69	93	209 483	209 483	5	0	0	Nonterminating	3 (	0 0
coolant_basis_4_neg.c	Default-LBE-Multi+NondetBuchi.epf	0.38  s $3220.50  MB$	$99.08~\mathrm{MB}$	2 - 0.27  s - 0.00  s	3 6	66	87	193 421	136 331	1	0	0	Nonterminating	3 (	0 0
$coolant\_basis\_4\_neg.c$	${\bf Default\text{-}LBE\text{-}Multi\text{+}SBE\text{+}Simplify} Assumes SBE.epf$	0.37  s $3182.50  MB$	98.16  MB	2 - 0.23  s - 0.00  s	3 6	66	88 1	193 427	137   349	1	0	0	Nonterminating	3 (	0 0
$coolant\_basis\_4\_neg.c$	Default-LBE-Multi+SBE.epf	0.32  s $3209.00  MB$	51.85  MB	2 - 0.22  s - 0.00  s	3 6	66	88	193   427	137   337	1	0	0	Nonterminating	3 (	0 0
$coolant\_basis\_4\_neg.c$	Default-LBE-Multi.epf	0.45  s 3182.50 MB	98.16  MB	2 - 0.34  s - 0.00  s	3 6	66		193 421	136   331	1	0	0	Nonterminating	3 (	0 0
$coolant\_basis\_4\_neg.c$	Default-LBE-SNME.epf	0.40  s 3201.00 MB	99.08  MB	2 - 0.30  s - 0.00  s	3 6	66		193 421	157   335	1	0	0	Nonterminating	3 (	0 0
$coolant\_basis\_4\_neg.c$	Default-LBE-Single.epf	0.37  s $3182.50  MB$	98.16  MB	2 - 0.26  s - 0.00  s	3 6	66		193 421	157   335	1	0	0	Nonterminating	3 (	0 0
coolant_basis_4_neg.c	None+SBE+SimplifyAssumesSBE.epf	0.36 s 3196.50 MB	77.78 MB	2   0.24   s   0.00   s	3 6	66		193 427	193 447	1	0	0	Nonterminating	3 (	0 0
coolant_basis_4_neg.c	None+SBE.epf	0.39 s 3182.50 MB	51.85 MB	2   0.29   s   0.00   s	3 6	66		193 427	193 427	1	0	0	Nonterminating	3 (	0 0
coolant_basis_4_neg.c	None.epf	0.40 s 3193.50 MB	99.08 MB	2 0.30 s 0.00 s	3 6	66		193 421	193 421	1	0	0	Nonterminating	3 (	0 0
coolant_basis_5_neg.c	Default-LBE-Multi+NondetBuchi.epf	0.29 s 3259.50 MB	80.09 MB	1 0.18 s 0.00 s	4 8	66		252 576	117 190	-	-	-	Nonterminating	_	
coolant_basis_5_neg.c	Default-LBE-Multi+SBE+SimplifyAssumesSBE.epf	0.28 s 3289.00 MB	80.11 MB	1 0.16 s 0.00 s	4 8	66		252 584	118 196	-	-	-	Nonterminating	_	
coolant_basis_5_neg.c	Default-LBE-Multi+SBE.epf	0.27 s 3260.50 MB	80.11 MB	1 $0.15 \text{ s}$ $0.00 \text{ s}$	4 8	8 66		252 584	118 196	-	-	-	Nonterminating	_	
coolant_basis_5_neg.c	Default-LBE-Multi.epf	0.31 s 3283.00 MB	80.11 MB	1 0.19 s 0.00 s	4 8	8 66		252 576	117 190	-	-	-	Nonterminating		
coolant_basis_5_neg.c	Default-LBE-SNME.epf	0.32 s 3260.50 MB	80.11 MB	2 0.21 s 0.00 s 2 0.21 s 0.00 s	4 8	8 66		252 576	154 257	1	0	0	Nonterminating	3 (	0 0
coolant_basis_5_neg.c	Default-LBE-Single.epf	0.33 s 3276.50 MB	80.11 MB	2 0.21 0 0.00 0	4 8	8 66		252 576	154 257	1	0	0	Nonterminating	3 (	0 0
coolant_basis_5_neg.c	None+SBE+SimplifyAssumesSBE.epf	0.33 s 3260.50 MB	80.11 MB	2 0.20 s 0.00 s	4 8	66		252 584	252 584	1	0	0	Nonterminating	3 (	0 0
coolant_basis_5_neg.c	None+SBE.epf	0.28 s 3273.50 MB	80.11 MB	2 0.18 s 0.00 s	4 8	66		252 584	252 584	1	0	0	Nonterminating	3 (	0 0
coolant_basis_5_neg.c	None.epf Default I BE Multi   NondetBuchi epf	0.30 s 3260.50 MB	80.11 MB	2 0.20 s 0.00 s 3 2.51 s 0.02 s	4 8	8 66		252 576	252 576	1	0	U O	Nonterminating Nonterminating	ა (	U U
coolant_basis_5_unsafe_sftyliveness.c coolant_basis_5_unsafe_sftyliveness.c	Default_LBE_Multi+SBE+SimplifyAssumesSBE opf	2.70 s 3260.50 MB	1266.10 MB 1213.20 MB	0 2.02.0 0.02.0	7 26 7 26			128 1.8 K	362 1.5 K 362 1.5 K	2	0	0	Nonterminating Nonterminating	ა (	0 U
v	Default-LBE-Multi+SBE+SimplifyAssumesSBE.epf	2.77 s 3278.50 MB		0 2.02.0 0.02.0	7 26 7 26			128 1.8 K		2	0	0	Nonterminating Nonterminating	ა (	0 0
coolant_basis_5_unsafe_sftyliveness.c	Default-LBE-Multi-SBE.epf	2.85 s 3260.50 MB	1322.37 MB	$\frac{3}{3}$ $\frac{2.65}{3}$ s $\frac{0.02}{3}$ s	7 26 7 26			128 1.8 K		2	0	0	Nonterminating Nonterminating	ა (	U U
coolant_basis_5_unsafe_sftyliveness.c	Default LBE SNME opf	2.95 s 3289.50 MB	1474.83 MB	$\frac{3}{3}$ 2.77 s 0.01 s				128 1.8 K		2	0	0	Nonterminating Nonterminating	ა (	0 0
coolant_basis_5_unsafe_sftyliveness.c	Default LBE Single opf	2.73 s 3286.00 MB	1241.21 MB	$\frac{3}{3}$ $\frac{2.54 \text{ s}}{2.50 \text{ s}}$ $\frac{0.02 \text{ s}}{0.01 \text{ s}}$	7 26			128 1.8 K	372 1.5 K	2	0	0	Nonterminating Nonterminating	ა (	U U
coolant_basis_5_unsafe_sftyliveness.c coolant_basis_5_unsafe_sftyliveness.c	Default-LBE-Single.epf	2.68 s 3285.50 MB	1337.02 MB 1276.78 MB	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7 26 7 26			128 1.8 K	372 1.5 K 428 1.8 K	2	0	0	Nonterminating Nonterminating	ა (	U U
v	None+SBE+SimplifyAssumesSBE.epf None+SBE.epf	2.85 s 3280.50 MB			7 26			128 1.8 K		2	0	0	Nonterminating	3 (	0 0
coolant_basis_5_unsafe_sftyliveness.c coolant_basis_5_unsafe_sftyliveness.c	· ·	2.88 s 3282.00 MB	1274.65 MB 1366.63 MB	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7 26	00		128 1.8 K	428 1.8 K 428 1.8 K	2	0	0	Nonterminating	3 (	0 0
coolant_basis_6_unsafe_sftyliveness.c	None.epf Default-LBE-Multi+NondetBuchi.epf	3.05 s 3277.50 MB 7.15 s 3273.00 MB	777.07 MB	0 2.000	20	00		128 1.8 K		18	0	0	Nonterminating	3 (	0 0
coolant_basis_6_unsafe_sftyliveness.c coolant_basis_6_unsafe_sftyliveness.c	•		853.46 MB		2 3	3 64 3 64		131 216 131 219	68 129	18 6	0	0	Nonterminating	6 (	0 0
coolant_basis_6_unsafe_sftyliveness.c	Default-LBE-Multi+SBE+SimplifyAssumesSBE.epf		526.82 MB	7 11.08 s 0.02 s 17 6.55 s 0.05 s	2 3	64 64			68 140 68 133	0 16	0	0	Nonterminating Nonterminating	6 (	0 0
coolant_basis_6_unsafe_sftyliveness.c	Default-LBE-Multi+SBE.epf Default-LBE-Multi.epf		866.97 MB	17 0.55 s 0.05 s 19 7.05 s 0.05 s	2 3	64 64		131 219 131 216	68 129	18	0	0	Nonterminating Nonterminating	6 (	0 0
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s         15       1.65 s       0.06 s         15       1.65 s       0.06 s         2       0.03 s       0.00 s         2       0.03 s       0.00 s         2       0.04 s       0.00 s         3 </td <td>2 3 3 3 5 3 5 3 5 5 3 5 5 3 5 5 3 5 5 3 5 5 3 5 5 5 5 2 3 3 2 2 3 3 2 2 3 3 2 2 3 3 2 2 3 3 2 2 3 3 2 2 3 3 6 6 3 3 6 6 6 3 3 6 6 6 3 6 6 6 3 6 6 6 3 6</td> <td>72 72 72 72 72 72 72 72 72 72</td> <td>85 194 295 294 295 295 294 294 295 295 294 294 295 295 295 295 295 295 295 295 295 295</td> <td>131     216       214     406       214     411       214     411       214     406       214     406       214     406       214     411       214     411       214     411       214     411       214     406       146     241       146     241       146     241       146     241       146     241       146     244       146     241       193     421       193     427       193     421       193     427       193     427       193     427       193     427       193     427       193     427     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          146         241           75         199           77         206           75         199           142         282           142         282           142         282           193         427           193         427           193         421           97         282           98         289           98         289           97         282           160         352           160         352           160         3	4 4 4 2 3 2 2 2 2 2 2 2 2 2 2 2 0 0 0 0 0 0 0	20	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Nonterminating	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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     2.25 s       0.07 s         15       1.62 s       0.06 s         16       1.67 s       0.06 s         15       1.65 s       0.06 s         16       1.67 s       0.06 s         2       0.03 s       0.00 s         2       0.03 s       0.00 s         2       0.04 s       0.00 s         3 <td>2 3 3 3 3 5 3 3 5 5 3 5 5 3 5 5 3 5 5 3 5 5 3 5</td> <td>6         72           6         72           6         72           6         72           6         72           6         72           6         72           6         72           6         72           6         72           7         72           8         72           8         72           8         72           8         72           8         72           8         72           8         72           8         72           8         72           8         72           8         72           8         72           8         72           8         72           8         72           8         66           6         66           6    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0.08 s       0.01 s         3       0.05 s       0.00 s         2       0.08 s       0.07 s         19       1.68 s       0.06 s         21       2.48 s       0.08 s         21       2.23 s       0.07 s         19       2.25 s       0.07 s         19       2.25 s       0.07 s         10       1.62 s       0.06 s         21       2.248 s       0.06 s         25       0.03 s       0.06 s         26       0.03 s       0.00 s         27       0.04 s       0.00 s         3 </td <td>7 26 7 26 7 26</td> <td>6         72           6         72           6         72           6         72           6         72           6         72           6         72           6         72           6         72           7         72           8         72           8         72           8         72           8         72           8         72           8         72           8         72           8         72           8         72           8         72           8         72           8         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coolant_basis_6_unsafe_sftyliveness.c  coolant_basis_1_safe_sfty.c  coolant_basis_2_safe_liveness.c  coolant_basis_2_safe_liveness.c  coolant_basis_2_safe_liveness.c  coolant_basis_2_safe_liveness.c  coolant_basis_2_safe_liveness.c  coolant_basis_2_safe_liveness.c  coolant_basis_2_safe_liveness.c  coolant_basis_2_safe_liveness.c  coolant_basis_3_safe_sftyliveness.c  coolant_basis_3_safe_sftyliveness.c  coolant_basis_3_safe_sftyliveness.c  coolant_basis_3_safe_sftyliveness.c  coolant_basis_3_safe_sftyliveness.c  coolant_basis_3_safe_sftyliveness.c  coolant_basis_3_safe_sftyliveness.c  coolant_basis_3_safe_sftyliveness.c  coolant_basis_4_safe_sftyliveness.c  coolant_basis_4_safe_sftyliveness.c  coolant_basis_4_safe_sftyliveness.c  coolant_basis_4_safe_sftyliveness.c  coolant_basis_4_safe_sftyliveness.c  coolant_basis_4_safe_sftyliveness.c  coolant_basis_4_safe_sftyliveness.c  coolant_basis_4_safe_sftyliveness.c  coolant_basis_5_safe_sftyliveness.c  coolant_basis_6_safe_sftyliveness.c	None+SBE.epf None.epf  Default-LBE-Multi+SBE+SimplifyAssumesSBE.epf Default-LBE-Multi+SBE.epf Default-LBE-Multi-SBE.epf Default-LBE-SNME.epf Default-LBE-Single.epf None+SBE+SimplifyAssumesSBE.epf None+SBE.epf None.epf Default-LBE-Multi+NondetBuchi.epf Default-LBE-Multi+SBE.epf Default-LBE-Multi-SBE.epf Default-LBE-Multi-SBE.epf Default-LBE-Multi-SBE.epf Default-LBE-Single.epf None+SBE.epf None+SBE.epf None+SBE.epf None.epf Default-LBE-Multi+NondetBuchi.epf Default-LBE-Multi+SBE.epf Default-LBE-Multi-SBE.epf None.epf Default-LBE-Multi-SBE.epf Default-LBE-Multi-SBE.epf Default-LBE-Multi-SBE.epf Default-LBE-Single.epf None+SBE.epf None+SBE.epf None+SBE.epf Default-LBE-Single.epf None+SBE.epf None-SBE.epf None-SBE.epf None-SBE.epf Default-LBE-Multi+SBE.epf Default-LBE-Multi-SBE.epf Default-LBE-Multi-SBE.epf Default-LBE-Multi-SBE.epf Default-LBE-Single.epf None+SBE.epf None+SBE.epf None+SBE.epf Default-LBE-Single.epf None+SBE.epf Default-LBE-Single.epf None+SBE.epf Default-LBE-Multi-SBE.epf Default-LBE-Single.epf None+SBE.epf None+SBE.epf None-SBE.epf	10.10 s 3214.00 MB 9.74 s 3202.50 MB  0.15 s 1972.50 MB 0.18 s 1912.50 MB 0.15 s 1957.00 MB 0.13 s 1912.50 MB 0.11 s 1943.00 MB 0.12 s 1912.50 MB 0.13 s 1932.50 MB 0.10 s 1912.50 MB 0.11 s 1926.50 MB 0.11 s 1926.50 MB 0.11 s 1926.50 MB 0.12 s 2546.00 MB 0.13 s 2546.00 MB 0.14 s 2546.00 MB 0.16 s 2546.00 MB 0.17 s 2546.00 MB 0.18 s 2573.50 MB 0.19 s 3237.50 MB 0.19 s 3237.50 MB 0.11 s 3248.00 MB 0.12 s 3230.50 MB 0.13 s 3245.00 MB 0.14 s 3248.00 MB 0.15 s 3236.50 MB 0.16 s 3182.50 MB 0.16 s 3182.50 MB 0.18 s 3220.00 MB 0.18 s 3220.00 MB 0.18 s 3182.50 MB 0.19 s 3237.50 MB 0.10 s 3237.50 MB 0.11 s 3237.50 MB 0.12 s 3237.50 MB 0.13 s 3182.50 MB 0.14 s 3248.00 MB 0.15 s 3236.50 MB 0.16 s 3182.50 MB 0.17 s 3207.00 MB 0.18 s 3182.50 MB 0.19 s 3271.00 MB 0.20 s 3191.50 MB 0.31 s 3182.50 MB 0.32 s 3191.50 MB 0.33 s 3182.50 MB 0.34 s 3190.50 MB 0.35 s 3270.50 MB 0.36 s 3270.50 MB 0.37 s 3260.50 MB 0.39 s 3260.50 MB 0.69 s 3270.00 MB	463.43 MB 236.76 MB  31.94 MB 31.94 MB 31.94 MB 31.94 MB 47.91 MB 47.91 MB 47.91 MB 47.91 MB 47.91 MB 982.46 MB 939.30 MB 919.82 MB 717.80 MB 729.41 MB 768.52 MB 752.58 MB 760.01 MB 77.15 MB 77.09 MB 77.36 MB 51.85 MB 51.85 MB 51.85 MB 51.85 MB 51.85 MB 51.85 MB 77.78 MB 77.79 MB	5       10.03 s       0.01 s         5       9.63 s       0.01 s         3       0.05 s       0.00 s         4       0.08 s       0.01 s         3       0.05 s       0.00 s         2       0.08 s       0.00 s         2       0.08 s       0.07 s         15       1.62 s       0.06 s         15       1.65 s       0.06 s         16       1.67 s       0.06 s         15       1.65 s       0.06 s         2       0.03 s       0.00 s         2       0.03 s       0.00 s         3	7 26 7 26 7 26 7 26 7 26 7 26 7 26 7 26	6         72           6         72           6         72           72         72           6         72           72         72           72         72           72         72           72         72           8         72           8         72           8         72           8         72           8         72           8         72           8         72           8         72           8         72           8         72           8         72           8         72           8         72           8         72           8         72           8         72           8         72           8         72           8         66           6         66           6         66           6         66           8         66           8         66           8         66           8         66	85	131         216           214         406           214         411           214         411           214         406           214         406           214         406           214         411           214         411           214         411           214         406           146         241           146         241           146         241           146         241           146         241           146         241           146         241           146         241           146         241           146         241           146         241           146         241           146         241           1493         421           193         427           193         421           193         427           193         421           192         433           192         433           192         433           192         433           192	131         216           118         272           119         279           119         279           118         272           185         343           185         343           214         411           214         406           64         119           64         123           64         119           93         144           94         145           146         244           146         244           146         244           146         241           75         199           77         206           75         199           142         282           142         282           142         282           193         427           193         421           97         282           98         289           97         282           192         439           192         439           192         439           192         439           192	4 4 4 2 3 2 2 2 2 2 2 2 2 2 0 0 0 0 0 0 0 0 0	20	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Nonterminating	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
coolant_basis_6_unsafe_sftyliveness.c  coolant_basis_1_safe_sfty.c  coolant_basis_2_safe_liveness.c  coolant_basis_2_safe_liveness.c  coolant_basis_2_safe_liveness.c  coolant_basis_2_safe_liveness.c  coolant_basis_2_safe_liveness.c  coolant_basis_2_safe_liveness.c  coolant_basis_2_safe_liveness.c  coolant_basis_3_safe_sftyliveness.c  coolant_basis_3_safe_sftyliveness.c  coolant_basis_3_safe_sftyliveness.c  coolant_basis_3_safe_sftyliveness.c  coolant_basis_3_safe_sftyliveness.c  coolant_basis_3_safe_sftyliveness.c  coolant_basis_3_safe_sftyliveness.c  coolant_basis_3_safe_sftyliveness.c  coolant_basis_4_safe_sftyliveness.c  coolant_basis_5_safe_sftyliveness.c	None-SBE.epf None.epf  Default-LBE-Multi+SBE+Simplify AssumesSBE.epf Default-LBE-Multi+SBE.epf Default-LBE-Multi+SBE.epf Default-LBE-SNME.epf Default-LBE-SNME.epf Default-LBE-Simplify AssumesSBE.epf None+SBE+Simplify AssumesSBE.epf None+SBE.epf None-SBE.epf None-SBE.epf None-SBE.epf None-SBE.epf Default-LBE-Multi+NondetBuchi.epf Default-LBE-Multi+SBE.epf Default-LBE-Multi-SBE.epf Default-LBE-Simplify AssumesSBE.epf None+SBE.epf None+SBE.epf None+SBE.epf None-SBE.epf None-SBE.epf None-SBE.epf Default-LBE-Multi+SBE.epf Default-LBE-Multi+SBE.epf Default-LBE-Multi-SBE.epf Default-LBE-Single.epf None+SBE.epf None+SBE.epf None+SBE.epf None-SBE.epf None-SBE.epf None-SBE.epf None-SBE.epf None-SBE.epf None-SBE.epf None-SBE.epf Default-LBE-Multi+SBE.epf Default-LBE-Multi+SBE.epf Default-LBE-Multi+SBE.epf Default-LBE-Multi-SBE.epf Default-LBE-Single.epf None+SBE.epf None+SBE.epf None+SBE.epf None-SBE.epf Default-LBE-Multi+SBE.epf Default-LBE-Multi+SBE.epf Default-LBE-Multi+SBE.epf Default-LBE-Multi+SBE.epf Default-LBE-Multi+SBE.epf None-SBE.epf	10.10 s 3214.00 MB 9.74 s 3202.50 MB  0.15 s 1972.50 MB 0.18 s 1912.50 MB 0.15 s 1957.00 MB 0.13 s 1912.50 MB 0.11 s 1943.00 MB 0.12 s 1912.50 MB 0.13 s 1932.50 MB 0.10 s 1912.50 MB 0.11 s 1926.50 MB 0.11 s 1926.50 MB 0.11 s 1926.50 MB 0.12 s 2546.00 MB 0.13 s 2546.00 MB 0.14 s 2546.00 MB 0.15 s 2546.00 MB 0.16 s 2573.50 MB 0.17 s 2546.00 MB 0.18 s 3237.50 MB 0.19 s 3237.50 MB 0.16 s 3239.50 MB 0.18 s 3245.00 MB 0.18 s 3245.00 MB 0.18 s 3245.00 MB 0.18 s 3245.00 MB 0.19 s 3237.50 MB 0.10 s 3237.50 MB 0.10 s 3237.50 MB 0.11 s 3236.50 MB 0.12 s 3236.50 MB 0.13 s 3236.50 MB 0.14 s 3248.00 MB 0.15 s 3236.50 MB 0.16 s 3182.50 MB 0.17 s 3207.00 MB 0.18 s 3182.50 MB 0.19 s 3237.50 MB 0.10 s 3182.50 MB 0.11 s 3207.00 MB 0.12 s 3191.50 MB 0.13 s 3182.50 MB 0.32 s 3191.50 MB 0.33 s 3182.50 MB 0.34 s 3190.50 MB 0.35 s 3190.50 MB 0.36 s 3270.50 MB 0.37 s 3260.50 MB 0.38 s 3271.50 MB 0.69 s 3260.50 MB 0.67 s 3271.00 MB 0.69 s 3260.50 MB 0.69 s 3272.00 MB	463.43 MB 236.76 MB  31.94 MB 31.94 MB 31.94 MB 31.94 MB 47.91 MB 47.91 MB 47.91 MB 47.91 MB 47.91 MB 982.46 MB 982.46 MB 939.30 MB 919.82 MB 717.80 MB 729.41 MB 768.52 MB 752.58 MB 760.01 MB 77.15 MB 77.09 MB 77.15 MB 77.09 MB 77.36 MB 51.85 MB 51.85 MB 51.85 MB 51.85 MB 51.85 MB 77.78 MB	5       10.03 s       0.01 s         5       9.63 s       0.01 s         3       0.05 s       0.00 s         4       0.08 s       0.01 s         3       0.05 s       0.00 s         2       0.08 s       0.00 s         2       0.08 s       0.07 s         15       1.62 s       0.06 s         15       1.62 s       0.06 s         15       1.62 s       0.06 s         16       1.67 s       0.06 s         15       1.65 s       0.06 s         16       1.67 s       0.06 s         15       1.65 s       0.06 s         2       0.03 s       0.00 s         2       0.03 s       0.00 s         3	7 26 7 26 7 26 7 26 7 26 7 26 7 26 7 26	6         72           6         72           6         72           6         72           6         72           6         72           6         72           6         72           6         72           6         72           7         72           8         72           8         72           8         72           8         72           8         72           8         72           8         72           8         72           8         72           8         72           8         72           8         72           8         72           8         72           8         72           8         66           6         66           6         66           6         66           8         66           8         66           8         66           8         66           8         66	85	131 216 214 406 214 411 214 406 214 406 214 406 214 406 214 406 214 411 214 406 214 411 214 406 146 241 146 241 146 241 146 241 146 241 146 241 146 241 146 241 146 241 1493 421 193 427 193 427 193 427 193 427 193 421 193 421 193 427 193 427 193 421 193 427 193 428 193 438 193 438 193 438 193 438 193 438 193 438 193 438 193 438 193 438 193 438 193 438 193 438 193 438 193 438 193 438 193 438 193 438 193 438 193 438 193 4	131         216           118         272           119         279           119         279           118         272           185         343           185         343           214         411           214         406           64         119           64         123           64         119           93         144           94         145           146         244           146         244           146         241           75         199           77         206           75         199           142         282           142         282           142         282           142         282           193         427           193         427           193         421           97         282           98         289           97         282           192         439           192         439           192         439           192	4 4 4 2 3 2 2 2 2 2 2 2 2 2 0 0 0 0 0 0 0 0 0	20	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Nonterminating	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

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Safe

	$coolant\_basis\_6\_safe\_sftyliveness.c$	Default-LBE-Multi+SBE.epf		96.55  MB	12   0.71   s   0.03   s	2	3	64	86	131	219	68	133	11	0	0 -	5	0	0
	$coolant\_basis\_6\_safe\_sftyliveness.c$	Default-LBE-Multi.epf		96.67 MB	11  0.80  s  0.03  s	2	3	64	85	131	216	68	129	10	0	0 -	5	0	0
	$coolant\_basis\_6\_safe\_sftyliveness.c$	Default-LBE-SNME.epf		98.27  MB	7   0.51  s   0.01  s	2	3	64	85	131	216	101	165	6	0	0 -	6	0	0
	$coolant\_basis\_6\_safe\_sftyliveness.c$	Default-LBE-Single.epf	0.57 s 3260.50 MB 14	47.50  MB	7   0.49  s   0.01  s	2	3	64	85	131	216	101	165	6	0	0 -	6	0	0
	$coolant\_basis\_6\_safe\_sftyliveness.c$	None+SBE+SimplifyAssumesSBE.epf	6.29 s 3275.00 MB 74	41.14 MB	7   6.21   s   0.01   s	2	3	64	86	131	219	131	238	6	0	0 -	5	0	0
	coolant_basis_6_safe_sftyliveness.c	None+SBE.epf	4.47 s 3271.50 MB 237	$74.04~\mathrm{MB}$	6   4.40   s   0.01   s	2	3	64	86	131	219	131	219	5	0	0 -	6	0	0
	$coolant\_basis\_6\_safe\_sfty liveness.c$	None.epf	0.92 s 3263.50 MB 19	95.58 MB	10  0.84  s  0.02  s	2	3	64	85	131	216	131	216	9	0	0 -	6	0	0
	coolant_basis_2_unsafe_liveness.c	Default-LBE-Multi+NondetBuchi.epf	67.12 s 2976.50 MB 261	12.07 MB	8 67.06 s 65.25 s	2	3	72	94	146	241	83	168	0	0	8 Decomposition not yet finished	0	0	8
	coolant_basis_2_unsafe_liveness.c	Default-LBE-Multi+SBE+SimplifyAssumesSBE.epf	60.10 s 2977.00 MB 251	14.42 MB	8  60.02  s  58.12  s	2	3	72	95	146	244	83	172	0	8	0 Decomposition not yet finished	0	6	0
	coolant_basis_2_unsafe_liveness.c	Default-LBE-Multi+SBE.epf	60.67 s 2973.50 MB 251	$10.60~\mathrm{MB}$	8  60.58  s  59.01  s	2	3	72	95	146	244	83	172	0	8	0 Decomposition not yet finished	0	6	0
	$coolant\_basis\_2\_unsafe\_liveness.c$	Default-LBE-Multi.epf	60.82 s 2979.50 MB 249	93.60 MB	8  60.75  s  59.12  s	2	3	72	94	146	241	83	168	0	8	0 Decomposition not yet finished	0	6	0
	coolant_basis_2_unsafe_liveness.c	Default-LBE-SNME.epf	60.38 s 3128.00 MB 262	29.27  MB	6  60.31  s  58.27  s	2	3	72	94	146	241	122	200	0	6	0 Decomposition not yet finished	0	6	0
	$coolant\_basis\_2\_unsafe\_liveness.c$	Default-LBE-Single.epf	60.02 s 3222.50 MB 259	90.98 MB	$6   59.95  {s}   57.88  {s}$	2	3	72	94	146	241	122	200	0	6	0 Decomposition not yet finished	0	6	0
	$coolant\_basis\_2\_unsafe\_liveness.c$	None+SBE+SimplifyAssumesSBE.epf	61.77 s 3196.50 MB 259	97.69 MB	6  61.68  s  59.63  s	2	3	72	95	146	244	146	244	0	6	0 Decomposition not yet finished	0	6	0
	$coolant\_basis\_2\_unsafe\_liveness.c$	None+SBE.epf	60.00 s 3176.00 MB 261	19.73 MB	6   59.94   s   57.88   s	2	3	72	95	146	244	146	244	0	6	0 Decomposition not yet finished	0	6	0
m: .	coolant_basis_2_unsafe_liveness.c	None.epf	61.31 s 3243.50 MB 248	88.24 MB	5  61.26  s  60.15  s	2	3	72	94	146	241	146	241	0	5	0 Decomposition not yet finished	0	6	0
Timeout	coolant_basis_4_unsafe_sftyliveness.c	Default-LBE-Multi+NondetBuchi.epf	60.00 s 3268.50 MB 239	93.87 MB	63   59.88   s   1.02   s	4	8	68	90	198	451	101	299	62	0	0 Decomposition not yet finished	10	0	0
	coolant_basis_4_unsafe_sftyliveness.c	Default-LBE-Multi+SBE+SimplifyAssumesSBE.epf	59.99 s 3282.00 MB 152	21.85  MB	71   59.85   s   1.27   s	4	8	68	92	198	463	103	313	70	0	0 Decomposition not yet finished	11	0	0
	coolant_basis_4_unsafe_sftyliveness.c	Default-LBE-Multi+SBE.epf	60.01 s 3288.50 MB 171	11.19 MB	71   59.88   s   1.23   s	4	8	68	92	198	463	103	313	70	0	0 Decomposition not yet finished	11	0	0
	coolant_basis_4_unsafe_sftyliveness.c	Default-LBE-Multi.epf	60.00 s 3286.00 MB 79	79.88 MB	65 59.88 s 1.10 s	4	8	68	90	198	451	101	299	64	0	0 Decomposition not yet finished	11	0	0
	coolant_basis_4_unsafe_sftyliveness.c	Default-LBE-SNME.epf	60.01 s 3288.50 MB 203	37.88 MB	0  0.00  s  0.00  s	4	8	68	90	198	451	166	370	-	-		-	-	-
	coolant_basis_4_unsafe_sftyliveness.c	Default-LBE-Single.epf	60.01 s 3289.50 MB 214	44.43 MB	25   59.90   s   0.45   s	4	8	68	90	198	451	166	370	24	0	0 Decomposition not yet finished	18	0	0
	coolant_basis_4_unsafe_sftyliveness.c	None+SBE+SimplifyAssumesSBE.epf	59.99 s 3287.00 MB 230	$05.22~\mathrm{MB}$	26   59.87   s   0.46   s	4	8	68	92	198	463	198	463	25	0	0 Decomposition not yet finished	18	0	0
	coolant_basis_4_unsafe_sftyliveness.c	None+SBE.epf	59.99 s 3285.00 MB 235	56.37 MB	27   59.89   s   0.45   s	4	8	68	92	198	463	198	463	26	0	0 Decomposition not yet finished	17	0	0
	coolant_basis_4_unsafe_sftyliveness.c	None.epf	59.99  s $3289.00  MB$ $225$	52.09  MB	26   59.85   s   0.47   s	4	8	68	90	198	451	198	451	25	0	0 Decomposition not yet finished	18	0	0
	coolaire souble rearrestry in veriebble	Tione.epi	00:00 5 0200:00 MB 220	02:00 MB	20 00:00 0 0:11 0	•	0	00	00	100	101	100	101	20	· ·	o Becomposition not yet innoned	10	O	O

Table 1: Results for LTLAutomizerC.xml.

Error