Table 1: Comparison between KALI, pMEDICI and ACTS

	KALI		pMEDICI		ACTS	
Bench.	**Size**	**Time** $[ms]$	**Size**	**Time** $[ms]$	**Size**	**Time** $[ms]$
U_BOOL_0	15 ± 1	8 ± 1	18 ± 2	5 ± 1	10 ± 0	1 ± 0
U_BOOL_1	10 ± 1	4 ± 1	8 ± 1	3 ± 1	6 ± 0	1 ± 0
U_BOOL_2	16 ± 3	11 ± 1	24 ± 3	12 ± 12	10 ± 0	1 ± 0
U_BOOL_3	16 ± 1	16 ± 1	28 ± 6	14 ± 2	12 ± 0	1 ± 0
U_BOOL_4	16 ± 3	12 ± 1	29 ± 3	11 ± 3	10 ± 0	1 ± 0
U_ALL_0	498 ± 14	$3,646 \pm 273$	466 ± 18	915 ± 137	169 ± 0	5 ± 1
U_ALL_1	867 ± 17	$31,200 \pm 909$	802 ± 23	$6,399 \pm 459$	465 ± 0	65 ± 19
U_ALL_2	144 ± 0	23 ± 2	144 ± 0	10 ± 2	144 ± 0	1 ± 0
U_ALL_3	157 ± 7	632 ± 38	157 ± 8	156 ± 21	91 ± 0	2 ± 0
U_ALL_4	559 ± 6	950 ± 66	579 ± 9	335 ± 50	400 ± 0	1 ± 1
MCA_0	$1,424 \pm 1$	$10,176 \pm 250$	$1,481 \pm 15$	935 ± 87	$1,419 \pm 0$	2 ± 0
MCA_1	$2,407 \pm 20$	$62,660 \pm 797$	$2,304 \pm 39$	$173,882 \pm 61,930$	$1,338 \pm 0$	30 ± 4
MCA_2	$1,390 \pm 4$	$15,721 \pm 389$	$1,378 \pm 2$	$14,961 \pm 5,404$	$1,376 \pm 0$	9 ± 1
MCA_3	71 ± 2	56 ± 4	64 ± 1	20 ± 6	63 ± 0	1 ± 0
MCA_4	$1,500 \pm 2$	$11,985 \pm 497$	$1,496 \pm 1$	$2,194 \pm 197$	$1,496 \pm 0$	4 ± 0
BOOLC_0	46 ± 2	$2,018 \pm 129$	16 ± 2	503 ± 42	11 ± 0	$63,125 \pm 658$
BOOLC_1	47 ± 2	$1,982 \pm 100$	18 ± 1	$1,269 \pm 156$	11 ± 0	$84,335 \pm 6,377$
BOOLC_2	29 ± 1	$1,530 \pm 89$	6 ± 1	90 ± 10	NA	$timeout$
BOOLC_3	14 ± 1	$1,418 \pm 57$	2 ± 1	71 ± 8	1 ± 0	$34,840 \pm 637$
BOOLC_4	40 ± 2	104 ± 9	16 ± 2	40 ± 8	NA	$timeout$
MCAC_0	5 ± 1	262 ± 14	1 ± 0	45 ± 7	1 ± 0	$21,323 \pm 863$
MCAC_1	16 ± 2	$1,261 \pm 38$	11 ± 1	43 ± 6	8 ± 0	$30,654 \pm 631$
MCAC_2	$2,253 \pm 11$	$36,043 \pm 441$	NA	$timeout$	$1,477 \pm 0$	$190,745 \pm 730$
MCAC_3	$1,808 \pm 16$	$31,449 \pm 458$	$1,778 \pm 13$	$64,376 \pm 3,347$	$1,540 \pm 0$	554 ± 112
MCAC_4	586 ± 2	$1,950 \pm 66$	582 ± 1	$2,166 \pm 292$	580 ± 0	$7,486 \pm 239$
NUMC_0	NA	$timeout$	$//$	$//$	$3,583 \pm 0$	$18,014 \pm 691$
NUMC_1	$4,408 \pm 28$	$79,500 \pm 1,230$	$//$	$//$	$3,788 \pm 0$	724 ± 128
NUMC_2	6 ± 0	$1,650 \pm 31$	$//$	$//$	3 ± 0	$24,963 \pm 178$
NUMC_3	$3,138 \pm 19$	$76,557 \pm 841$	$//$	$//$	$2,619 \pm 0$	$6,318 \pm 663$
NUMC_4	337 ± 1	$1,553 \pm 230$	$//$	$//$	334 ± 0	$7,007 \pm 300$