

Benchmark Index	Benchmark Name	LOC	Detection Time			HW_SENSITIVE	HD_SENSITIVE
			DataLog	Combined	Type Inference		
P1	CHES13 AES Shift Rows	11	0.865s	0.061s	0.037s	NO	NO
P2	CHES13 Messerges Boolean to Arithmetic (bit0)	12	0.783s	0.105s	0.017s	NO	NO
P3	CHES13 Goubin Boolean to Arithmetic (bit0)	12	0.721s	0.099s	0.020s	NO	YES
P4	SecMultOpt_wires_1	25	1.102s	0.208s	0.112s	NO	YES
P5	SecMultOpt_wires_2	50	3.990s	0.215s	0.121s	NO	YES
P6	SecMultLinear_wires_1	32	1.113s	0.276s	0.117s	NO	YES
P7	SecMultLinear_wires_2	89	1.997s	0.256s	0.129s	NO	YES
P8	CPRR13-lut_wires_1	81	5.832s	0.213s	0.155s	NO	YES
P9	CPRR13-OptLUT_wires_1	84	4.306s	0.147s	0.131s	NO	YES
P10	CPRR13-1_wires_1	104	5.053s	0.266s	0.123s	NO	YES
P11	KS_transitions_1	964	3min9.118s	0.55s	0.365s	NO	YES
P12	KS_wires_2	1130	5min1.113s	0.447s	0.429s	NO	NO
P13	keccakf_1turn	1256	12min59.106s	0.619s	0.269s	NO	YES
P14	keccakf_2turn	2506	TIMEOUT	1.102s	0.654s	NO	YES
P15	keccakf_3turn	3764	TIMEOUT	1.998s	1.164s	NO	YES
P16	keccakf_7turn	8810	TIMEOUT	16.999s	5.075s	NO	YES
P17	keccakf_11turn	13810	TIMEOUT	24.801s	12.363s	NO	YES
P18	keccakf_15turn	18858	TIMEOUT	59.12s	19.909s	NO	YES
P19	keccakf_19turn	23912	TIMEOUT	2m1.54s	30.453s	NO	YES
P20	keccakf_24turn	30228	TIMEOUT	3m22.415s	53.922s	NO	YES
P21	AES_wires_1	34358	TIMEOUT	16m13.320s	1m7.976s	NO	YES

Benchmark Index	Benchmark Name	KEY_IND NUM	KEY_SENSITIVE NUM	RAND NUM	INTERMEDIATE VAR NUM	HD_SENSITIVE VAR NUM	HD_SENSITIVE_2 VAR_NUM
P1	CHES13 AES Shift Rows	0	4	22	26	NONE	NONE
P2	CHES13 Messerges Boolean to Arithmetic (bit0)	0	7	20	27	NONE	NONE
P3	CHES13 Goubin Boolean to Arithmetic (bit0)	3	1	31	35	1	NONE
P4	SecMultOpt_wires_1	12	6	31	49	1	NONE
P5	SecMultOpt_wires_2	27	3	87	117	1	NONE
P7	SecMultLinear_wires_1	15	1	48	64	3	2
P8	SecMultLinear_wires_2	37	5	141	183	6	4
P9	CPRR13-lut_wires_1	25	2	151	178	9	8
P10	CPRR13-OptLUT_wires_1	42	4	249	295	9	8
P11	CPRR13-1_wires_1	61	2	153	216	8	7
P12	KS_transitions_1	12	31	2334	2378	19	4
P13	KS_wires_2	0	31	2334	2365	NONE	NONE
P14	keccakf_1turn	300	52	2062	2414	7	2
P15	keccakf_2turn	600	49	4030	4679	5	0
P16	keccakf_3turn	900	49	5995	6944	5	0
P17	keccakf_7turn	2100	49	13861	16010	25	0
P18	keccakf_11turn	3300	49	21723	25072	5	0
P19	keccakf_15turn	4500	49	29587	34136	5	0
P20	keccakf_19turn	5700	47	37449	43196	4	0
P21	keccakf_24turn	7200	49	47280	54529	5	0
P22	AES_wires_1	26330	127	38070	64527	33	29

Benchmark Index	Benchmark Name	Size of Assembly (Bytes)		Execution Time		Memory Usage	
		Before	After	Before	After	Before	After
P3	CHES13 Goubin Boolean to Arithmetic (bit0)	858	855	0.003s	0.0039s		
P4	SecMultOpt_wires_1	1198	1174	0.0036s	0.0034s		
P5	SecMultOpt_wires_2	2311	2309	0.0035s	0.0038s		
P7	SecMultLinear_wires_1	1346	1339	0.003s	0.0045s		
P8	SecMultLinear_wires_2	3128	3140	0.0035s	0.004s		
P9	CPRR13-lut_wires_1	3277	3223	0.003s	0.004s		
P10	CPRR13-OptLUT_wires_1	3295	3267	0.003s	0.003s		
P11	CPRR13-1_wires_1	3725	3699	0.003s	0.0035s		
P12	KS_transitions_1	44829	44735	0.004s	0.0035s		
P15	keccakf_2turn	90417	90288	0.0046s	0.0036s		
P16	keccakf_3turn	134060	133931	0.0036s	0.0038s		
P17	keccakf_7turn	313454	312930	0.0034s	0.0045s		
P18	keccakf_11turn	496087	495943	0.004s	0.0037s		
P19	keccakf_15turn	677594	677450	0.0032s	0.0035s		
P20	keccakf_19turn	859150	859070	0.003s	0.0039s		
P21	keccakf_24turn	1086041	1085897	0.0037s	0.004s		
P22	AES_wires_1	957372	957319	0.004s	0.005s		