

Annex 2: Results for base algorithms, and HSATnocache

Total Problem Count
90

Problem Classes Table			
Problem Class	Variable Count	Clause Count	Amount of Problems in Class
ransat_050	50	213	10
ransat_100	100	426	10
ransat_150	150	639	10
ransat_200	200	852	10
ransat_250	250	1065	10
ransat_300	300	1278	10
ransat_400	400	1704	10
ransat_500	500	2130	10
ransat_600	600	2556	8
ransat_700	700	2982	2

Median Flips										
	ransat_050	ransat_100	ransat_150	ransat_200	ransat_250	ransat_300	ransat_400	ransat_500	ransat_600	ransat_700
GSAT	284	5068	41277	339961	1.73E+06	2.57E+06	1.16E+08	9.84E+07	8.73E+07	9.45E+07
GSATRW_0.5	141	1001	20802	87158	797938	1.04E+06	5.94E+07	9.71E+07	9.75E+07	9.00E+07
HSAT	87	181	6171	15665	34837	57363	299030	1.85E+06	7.04E+06	2.41E+06
HSATnocache	165	232	3898	5922	24583	36788	450891	718000	607200	604800
WalkSAT_0.5	222	877	6875	7467	50793	38563	48066	438918	2.24E+06	26600

Median Flips Log Scale (Base e)										
	ransat_050	ransat_100	ransat_150	ransat_200	ransat_250	ransat_300	ransat_400	ransat_500	ransat_600	ransat_700
GSAT	5.64897	8.5307	10.6281	12.7366	14.363	14.7604	18.5701	18.4044	18.2848	18.3642
GSATRW_0.5	4.94876	6.90875	9.9428	11.3755	13.5898	13.8524	17.9005	18.3909	18.3952	18.3152
HSAT	4.46591	5.1985	8.72762	9.65918	10.4584	10.9572	12.6083	14.4317	15.7669	14.6941
HSATnocache	5.10595	5.44674	8.26822	8.68643	10.1098	10.5129	13.019	13.4842	13.3166	13.3127
WalkSAT_0.5	5.40268	6.77651	8.83565	8.91825	10.8355	10.56	10.7803	12.9921	14.6222	10.1887

