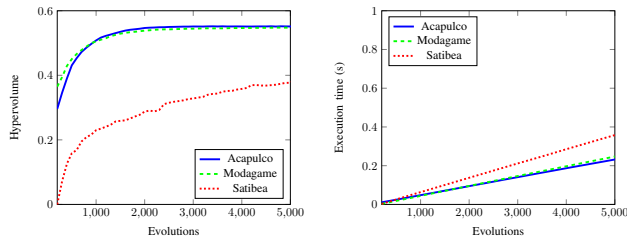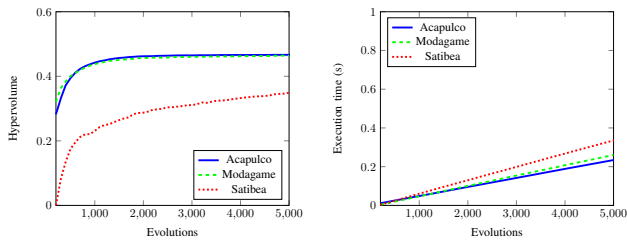(a) Hypervolume.　　　(b) Execution time.

Fig. 1: Results for Wget feature model.

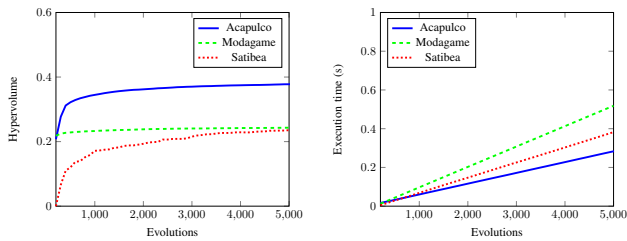(a) Hypervolume.　　　(b) Execution time.

Fig. 2: Results for Tank War feature model.

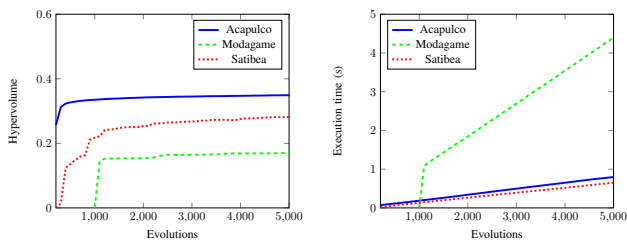(a) Hypervolume.　　　(b) Execution time.

Fig. 3: Results for Mobile Media feature model.

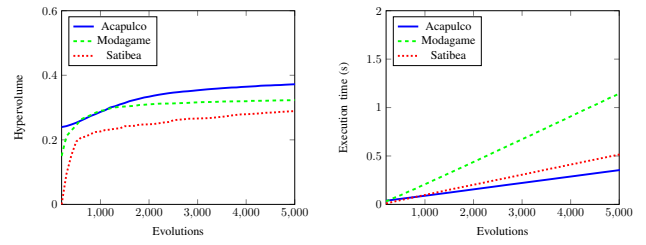(a) Hypervolume.　　　(b) Execution time.

Fig. 4: Results for WeaFQAs feature model.

(a) Hypervolume.　　　(b) Execution time.

Fig. 5: Results for ea2468 feature model.

(a) Hypervolume.　　　(b) Execution time.

Fig. 6: Results for Busy Box feature model.

(a) Hypervolume.　　　(b) Execution time.

Fig. 7: Results for EMB Tool Kit feature model.

(a) Hypervolume.　　　(b) Execution time.

Fig. 8: Results for Linux Distribution feature model.

(a) Hypervolume.　　　(b) Execution time.

Fig. 9: Results for Linux feature model.

(a) Hypervolume.　　　(b) Execution time.

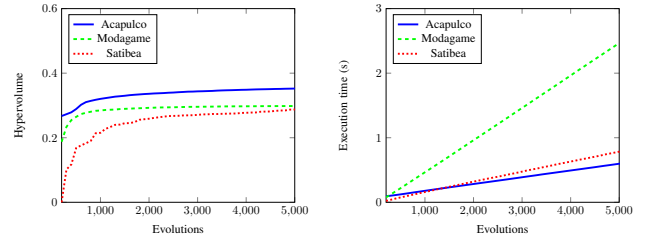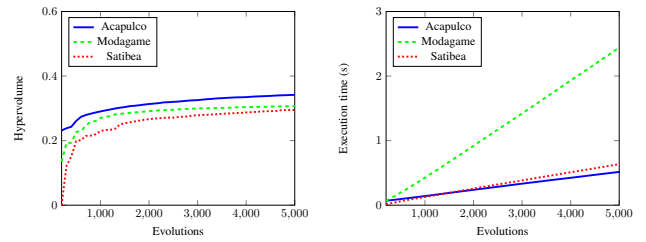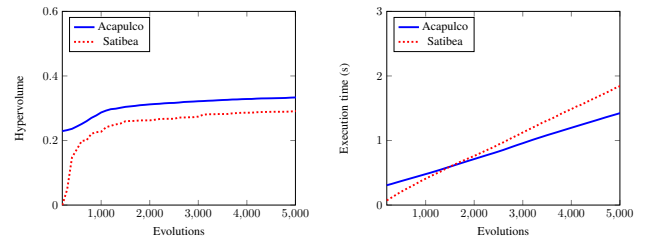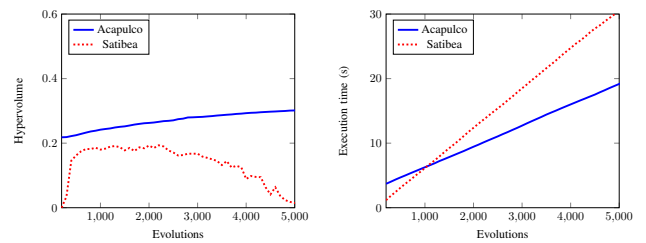Fig. 10: Results for Automotive feature model.

TABLE I: Comparison of hypervolumes (HV) and execution times (in seconds) of the three tools for each feature model. Results show median (MD), and standard deviation (SD) values over 30 runs. Right hand side shows the results of applying the Mann-Whitney U test comparing aCaPulCO with MODAGAME and SATIBEA, for HV and time, respectively.

Feature model	aCaPulCO HV		aCaPulCO Time		MODAGAME HV		MODAGAME Time		SATIBEA HV		SATIBEA Time		Invalid Sols.	aCaPulCO HV is greater MODAGAME p-value	SATIBEA p-value	aCaPulCO time is faster MODAGAME p-value	SATIBEA p-value
	MD	SD	MD	SD	MD	SD	MD	SD	MD	SD	MD	SD					
Wget	0.49	7.43e-4	0.23	0.05	0.49	7.64e-4	0.22	0.04	0.43	1.51e-2	0.35	0.05	1%	0.47	1.43e-11	0.99	2.42e-10
Tank war	0.55	1.63e-3	0.24	0.05	0.55	4.96e-3	0.25	0.04	0.39	3.79e-2	0.37	0.04	5%	6.15e-10	1.44e-11	8.31e-8	2.42e-10
Mobile media	0.47	1.23e-3	0.24	0.05	0.46	2.46e-3	0.26	0.04	0.35	2.11e-2	0.34	0.04	1%	4.59e-7	1.44e-11	1.28e-9	2.42e-10
WeaFQAs	0.38	1.90e-3	0.29	0.05	0.24	1.61e-2	0.52	0.05	0.24	2.18e-2	0.39	0.04	27%	1.44e-11	1.44e-11	2.42e-10	2.42e-10
Busy Box	0.37	2.32e-3	0.36	0.07	0.32	3.47e-3	1.14	0.06	0.29	1.23e-2	0.53	0.05	15%	1.44e-11	1.44e-11	1.44e-11	2.42e-10
EMB ToolKit	0.35	2.10e-3	0.61	0.08	0.27	4.52e-3	1.81	0.09	0.29	1.07e-2	0.80	0.08	26%	1.44e-11	1.44e-11	1.44e-11	2.42e-10
CDL ea2468	0.35	1.03e-3	0.82	0.08	0.17	5.91e-3	4.16	0.07	0.29	0.01	0.69	0.06	23%	1.44e-11	1.44e-11	1.44e-11	0.99
Linux Distrib.	0.34	2.33e-3	0.52	0.07	0.31	2.26e-3	2.44	0.08	0.30	1.17e-2	0.65	0.07	17%	1.44e-11	1.44e-11	1.44e-11	2.42e-10
Linux 2.6.33.3	0.33	3.73e-3	1.45	0.14	-	-	-	-	0.29	9.50e-3	1.88	0.12	35%	-	1.44e-11	-	2.20e-10
Automotive 2.1	0.30	1.01e-2	19.49	0.89	-	-	-	-	0.02	6.34e-2	31.25	0.78	97%	-	1.44e-11	-	1.44e-11

Runs: 30. Population: 100. Generations: 50 (5000 evolutions).