

Average run-times

The following two tables give average run-times, normalized by the number of variables and calculated over all considered substitution functions. The numbers show that the average run-times correlate strongly with space complexity, except for the bintree family.

No preprocessing		Preprocessing	
family	time [s]	family	time [s]
gtb	140.98342735	gtb	2.07076223227
pyramid	409.772969521	pyramid	0.822430509062
pyrofpvr	46.6460510647	pyrofpvr	1.88342171502
pyrseqsqrt	22.5651594976	pyrseqsqrt	0.301850610448
bintree	1.11442488483	bintree	0.024081650889
pyr10seq	8.75289508539	pyr10seq	0.535241921921
pyr5seq	7.73509594284	pyr5seq	0.511590433528
pyr3seq	6.28603264141	pyr3seq	0.234179875586
pyr1seq	5.63892458773	pyr1seq	0.0521048014035
width10chain	9.41102914377	width10chain	0.911921231327
width5chain	8.72762838408	width5chain	0.917888755153
width2chain	7.2793618419	width2chain	0.523683004538