

Brief report of the results of the experiments on hand-written problems

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The tests were run on an Intel Core i3 3.3 Ghz with 12Gb RAM, running under Linux (Debian distribution, release 8.7). When ran on the set of hand-tailored problems, the provers were given 5 minutes time.

On these tests, HTab gives a “satisfiable” outcome for the test of size 1, while it cannot solve any of the others in the allowed 5 minutes time.

SPASS could not solve the problems of size greater than 15 in the allowed time, while Sibyl solved the problem of size 20 in less than 2.5 minutes. The diagram of Figure 1 plots the running times of the two provers against the problem size.

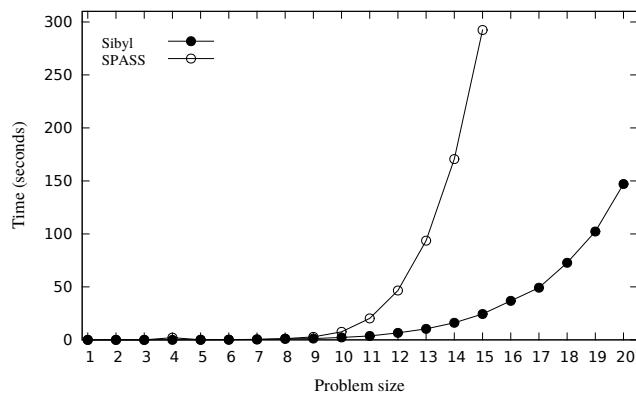


Figure 1: SPASS and Sibyl on the hand-tailored formulae