





Path Refinement state reduction on random DPAs with three colors and  $|\Sigma|=2$ . 0.5 Relative number of removed states 0.4 0.3 0.2 0.1 0.0 1.5 2.0 2.5 1.0 3.0 3.5 4.0 4.5 5.0 Number of SCCs in the original automaton

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