Hopcroft state reduction on a DPA with  $|\Sigma|=4$  that was created by Spot from an NBA. 0.010 0.008 0.006 0.004 0.002 0.000

60

Number of states in the original automaton

80

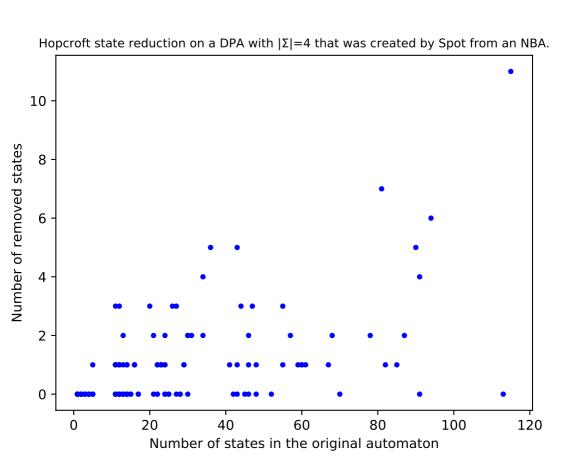
100

120

20

40

Time taken in seconds



Hopcroft state reduction on a DPA with  $|\Sigma|=4$  that was created by Spot from an NBA. 0.25 0.20 0.15 0.10 0.05 0.00 0 20 60 80 100 40 120

Number of states in the original automaton

Relative number of removed states

Hopcroft state reduction on a DPA with  $|\Sigma|=4$  that was created by Spot from an NBA. 0.25 0.20 0.15 0.10 0.05 0.00 2 8

Number of SCCs in the original automaton

Relative number of removed states

Hopcroft state reduction on a DPA with  $|\Sigma|=4$  that was created by Spot from an NBA. 0.25 0.20 0.15 0.10 0.05 0.00

Number of priorities in the original automaton

Relative number of removed states

Hopcroft state reduction on a DPA with  $|\Sigma|=4$  that was created by Spot from an NBA. 100 80 60 40 20

Number of automata

0.00000.02730.05450.08180.10910.13640.16360.19090.21820.24550.2727Relative number of removed states