

$\mathbb{B}oolean$ is the Boolean algebra
 Σ_{fin} is a finite alphabet
 Σ_{inf} is an infinite alphabet

Weighted Symbolic Automata with Data Storage

Luisa Herrmann, Heiko Vogler

DLT 2006, PhD L.H. 2017

SW-VPA: $\Sigma_{inf}^* \rightarrow \mathbb{S}$

Weighted-VPA: $\Sigma_{fin}^* \rightarrow \mathbb{S}$

Symbolic-VPA: $\Sigma_{inf}^* \rightarrow \mathbb{B}oolean$

Christian Mathissen
ICALP 2008

Loris d'Antoni, Rajeev Alur
CAV 2014

VPA: $\Sigma_{fin}^* \rightarrow \mathbb{B}oolean$

Rajeev Alur, Parthasarathy Madhusudan
JACM 2009

