Decision Diagrams in External Memory

Steffan Christ Sølvsten

MOVEP 2022

Adiar

I/O-efficient Decision Diagrams

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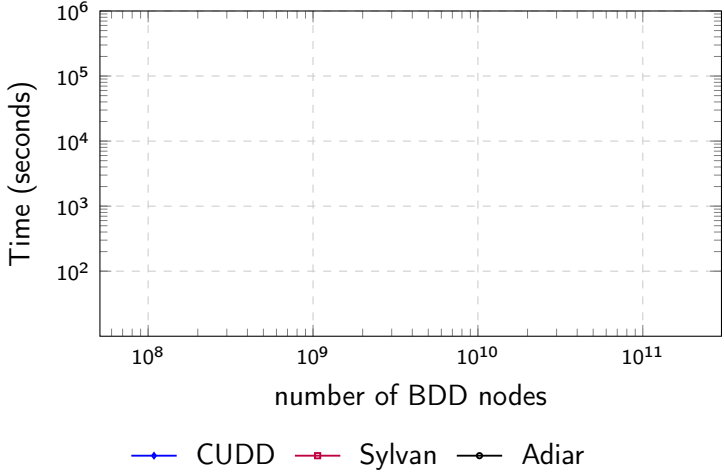
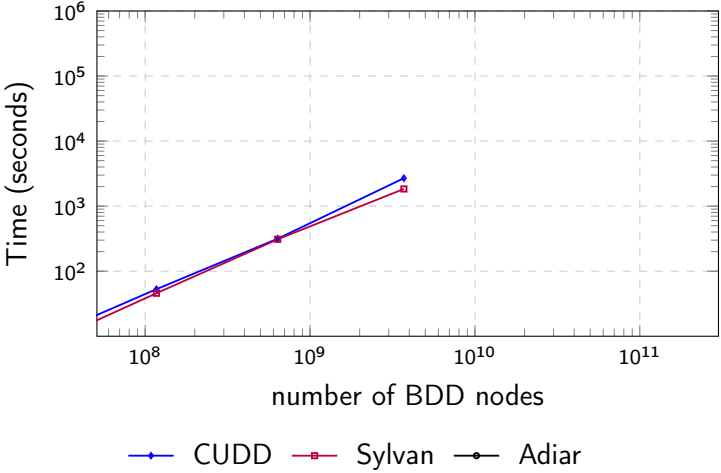
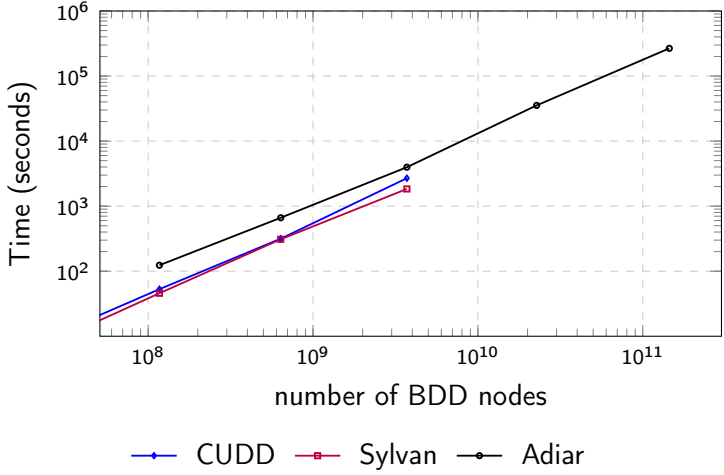
github.com/ssoelvsten/adiar



Minimal running time for the *Queens* problems.



Minimal running time for the *Queens* problems.



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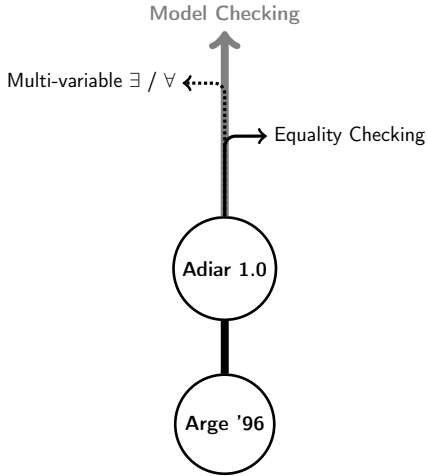
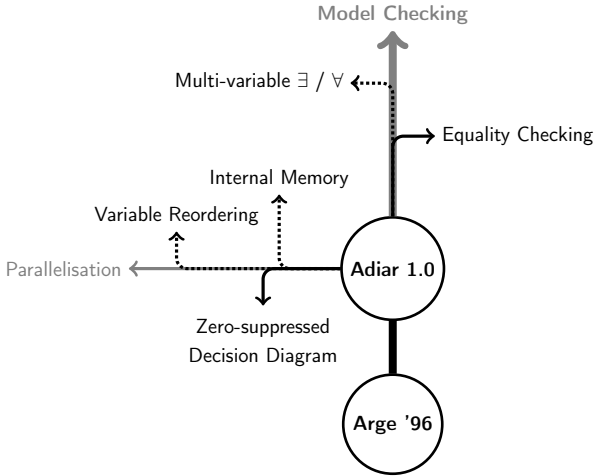
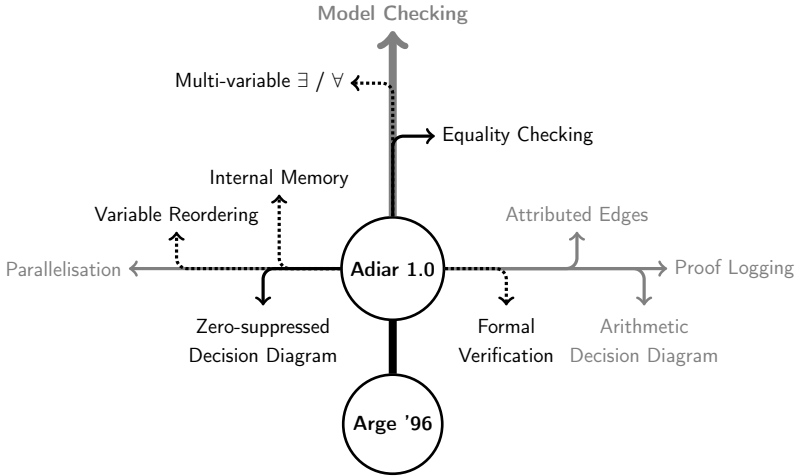

Model Checking
Multi-variable ∃ / ∀
Equality Checking
Adiar 1.0
Arge '96


Model Checking
Multi-variable ∃ / ∀
Equality Checking
Internal Memory
Variable Reordering
Parallelisation
Adiar 1.0
Zero-suppressed
Decision Diagram
Arge '96


Model Checking
Multi-variable ∃ / ∀
Equality Checking
Internal Memory
Variable Reordering
Attributed Edges
Parallelisation
Adiar 1.0
Proof Logging
Zero-suppressed
Decision Diagram
Formal
Verification
Arithmetic
Decision Diagram
Arge '96

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Adiar

github.com/ssoelvsten/adiar

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