MEDDLY: Multi-terminal and Edge-valued Decision Diagram LibrarY
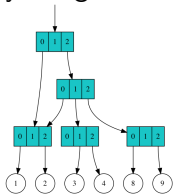Available at https://asminer.github.io/meddly/
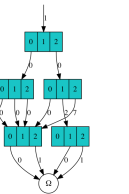
What is MEDDLY?

- ▶ A decision diagram library: MDDs, MTMDDs, EVMDDs
- ▶ DDs are graph data structures
- ▶ DDs can compactly encode functions of discrete variables
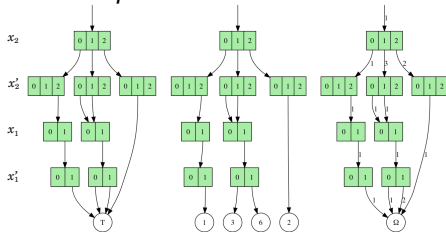- ▶ State-of-the-art algorithms
- ▶ Easily integrated
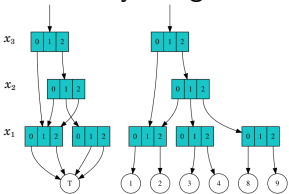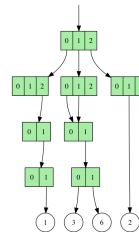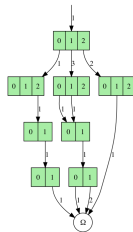
Why use MEDDLY?

- ▶ Digital logic verification
- ▶ Model checking, counterexamples
- ▶ Integer constraint problems
- ▶ Applications storing integer vectors
- ▶ Possibly huge memory+time savings *if the problem has structure*