Logic and Hybrid Systems

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Hybrid Systems

- Dynamical Systems exhibiting both discrete (jump) and continuous (flow) behaviors.
- Serve as models of physical systems, from thermostats to trains.
- Continuous dynamics specified using Differential Equations.

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- Suited for automation.

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- Commonly used to model Hybrid Systems, via Graphs.
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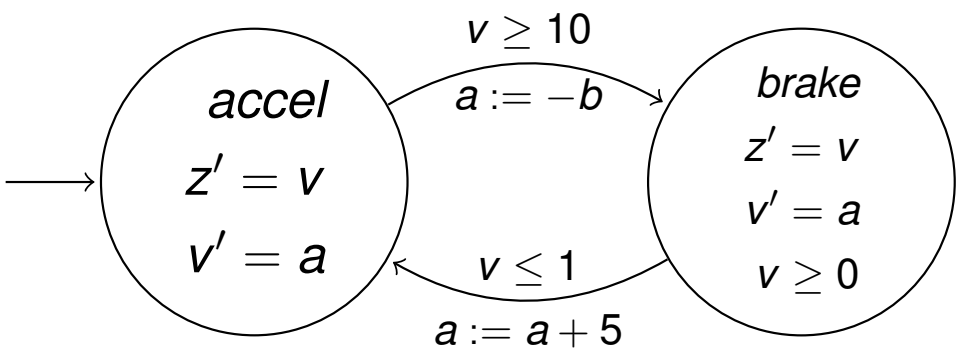

Figure: Hybrid Automata (simplified) of a Train Control System