1 Thereities Contains

1 Preliminaries

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1.1 Transition Systems

Motivation of transition systems

The following definition is directly taken form Principles of Modelchecking, Baier

is directly

A transition system TS is a tuple where

• is a set of states,

• is a set of actions,

• $\subseteq \times \times$ is transition relation,

⊆ is a set of initial states,
is a set of atomic propositions, and

• is a set of atomic propositions, and

A transition system is called *finite* if , and are finite.