Symbolic Transition System Example

- 2 variables: $V = \{v_0, v_1\}$
  - $S_0 \coloneqq \neg v_0 \wedge \neg v_1, \quad S_1 \coloneqq \neg v_0 \wedge v_1$
  - $S_2 \coloneqq v_0 \wedge \neg v_1, \quad S_3 \coloneqq v_0 \wedge v_1$
- Transition relation

$$(\neg v_0 \wedge \neg v_1) \Rightarrow \left((\neg v_0' \wedge v_1') \vee (v_0' \wedge \neg v_1')\right) \wedge$$
$$(\neg v_0 \wedge v_1) \Rightarrow (v_0' \wedge v_1') \wedge$$
$$(v_0 \wedge \neg v_1) \Rightarrow (v_0' \wedge v_1') \wedge$$
$$(v_0 \wedge v_1) \Rightarrow (v_0' \wedge v_1')$$