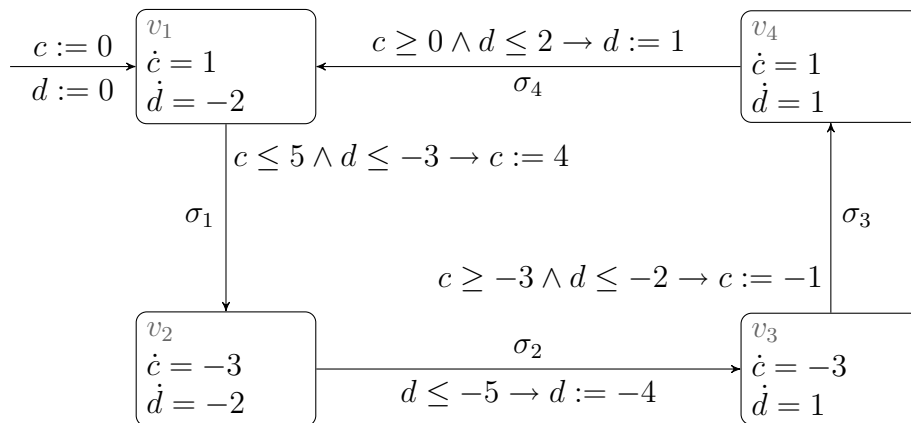


Modeling and Analysis of Hybrid Systems - SS 2009

Series 2

Exercise 3

Consider the following initialized rectangular automaton \mathcal{A} :



- (a) Construct an initialized clockwatch automaton \mathcal{A}_1 which is equivalent (wrt. reachability) to \mathcal{A} .
- (b) Take your result from (a) and construct a timed automaton \mathcal{A}_2 which is again equivalent (wrt. reachability) to \mathcal{A} .

6+6 points