

Quantitative Verification – Exercise sheet 3

Exercise 3.1

Compute the set of reachable states in the TA shown in figure 1.

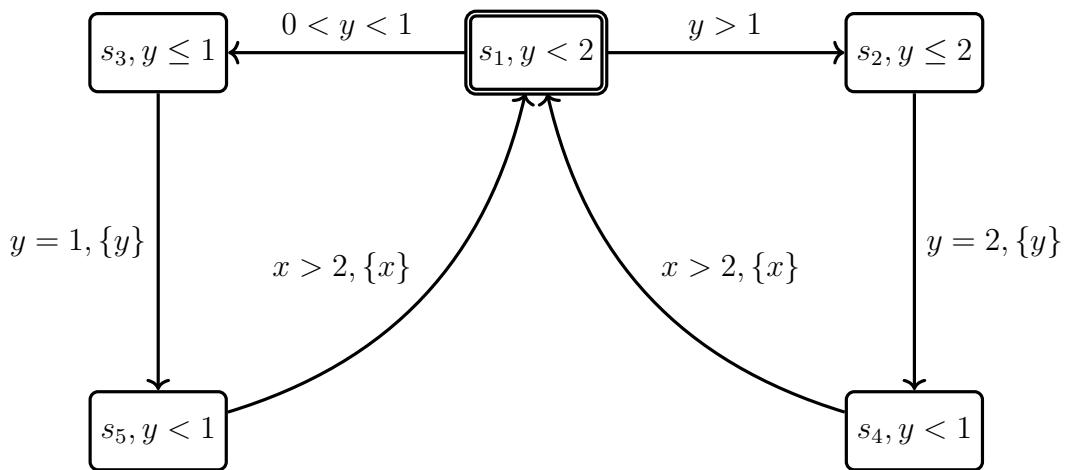


Figure 1: \mathcal{A}_1

Exercise 3.2

Draw the region automaton for the TA shown in figure 2.

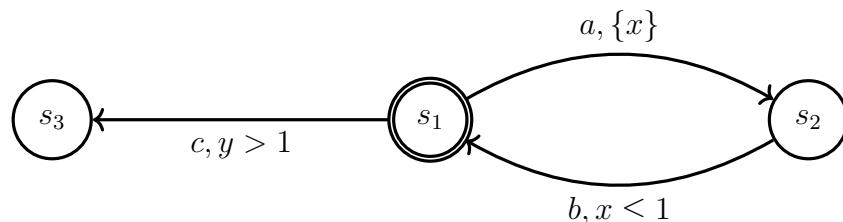


Figure 2: \mathcal{A}_2

Exercise 3.3

Draw the zone automaton for the TA shown in figure 3.

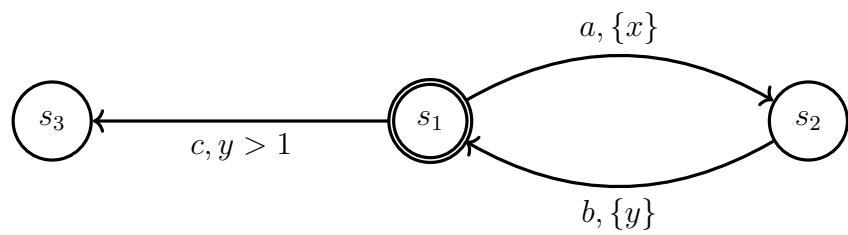


Figure 3: \mathcal{A}_3