

5. CMSC 452 LECTURE QUICK FEEDBACK FOR MAR 27, 2014

Here is a non-graded exercise for me to understand your understanding of the class.

Name:

Consider the automaton in Figure 6.

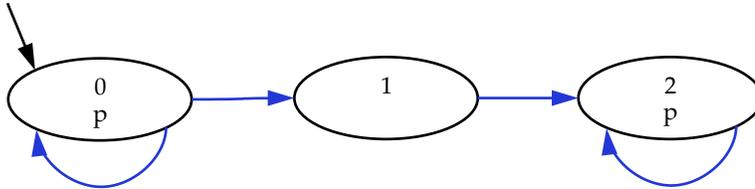


Fig. 6. A simple automaton.

Exercise 1 (Labeling function). Assuming that $AP = \{p\}$, please give the complete labeling function L :

$L(0) =$

$L(1) =$

$L(2) =$

Exercise 2 (Formula satisfaction). Does state 0 satisfy $AF [p]$?

Exercise 3 (Formula satisfaction). Does state 0 satisfy $AG [p]$?