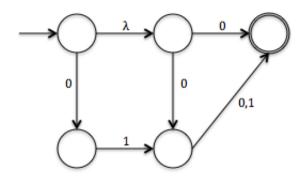
CSE 311 Quiz Section: November 29, 2012

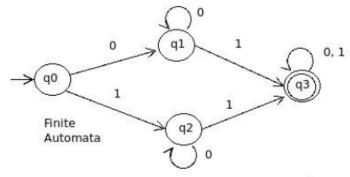
1 NFAs to DFAs

Convert the following NFA to a DFA.



2 State minimization

Use the state minimization algorithm from lecture to minimize the following finite state machine.



3 Regular Expressions to NFAs

Using the constructions given in lecture, find nondeterministic finite-state automata that recognize each of these sets:

- a) 0*1*
- $(0 \cup 11)^*$

1

4 FSAs to Regular Expressions

Convert the following DFA to a regular expression.

