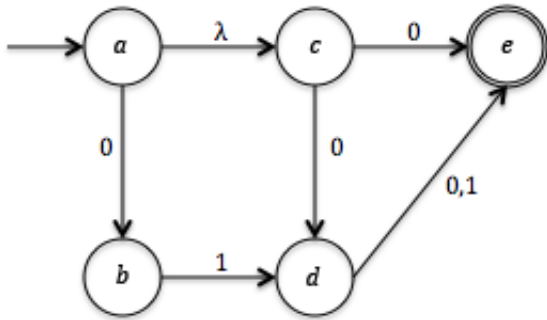


CSE 311 Quiz Section: May 29, 2013

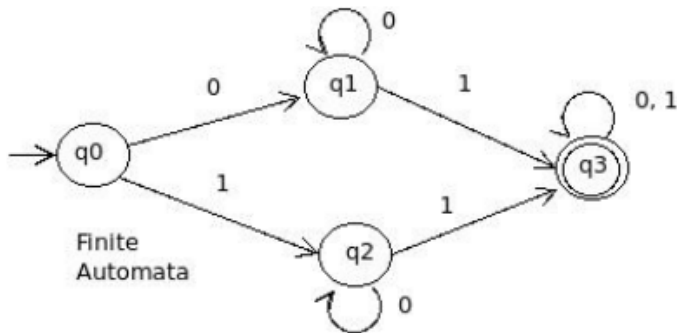
1 NFAs to DFAs

Convert the following NFA to a DFA by using subset construction.



2 State minimization

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



3 Non-regular Languages

Prove that the set $\{0^{2n}1^n : n \geq 0\}$ is not regular by showing that it is not recognized by any DFA.