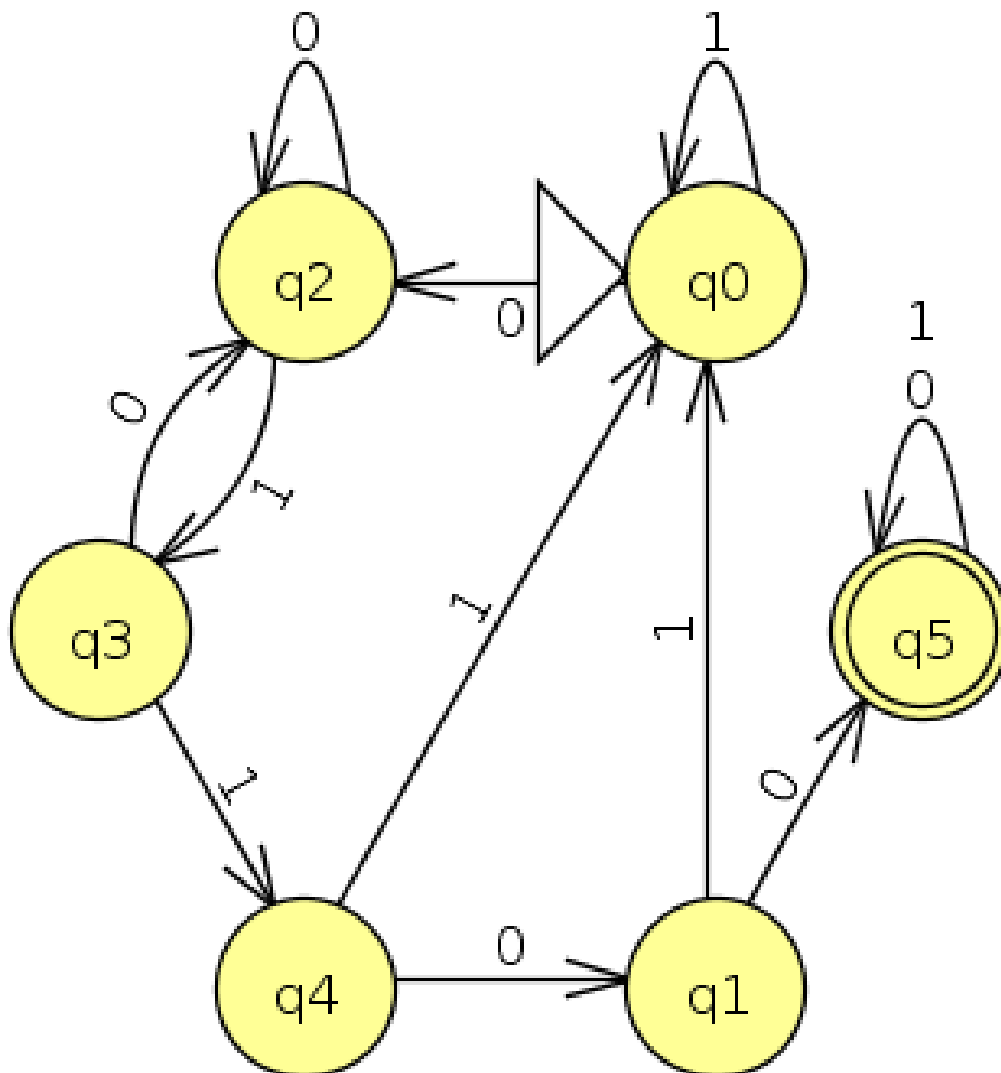


# Homework 2

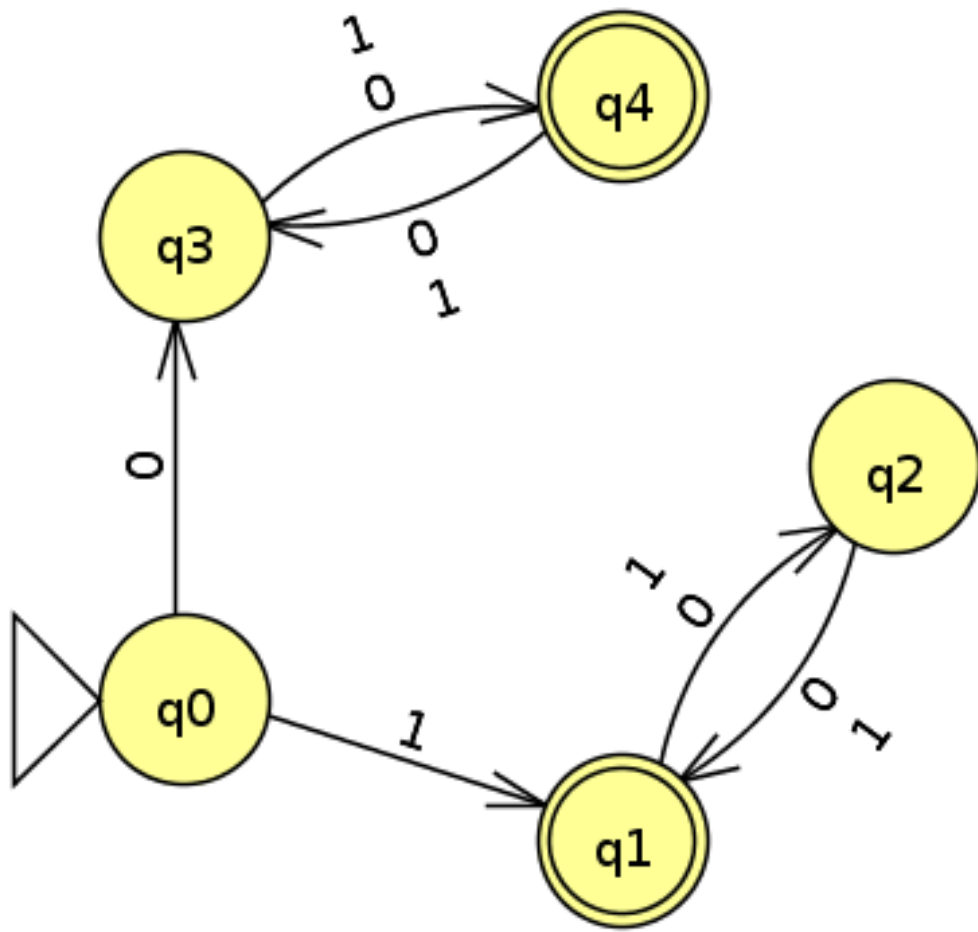
William Jagels

January 31, 2017

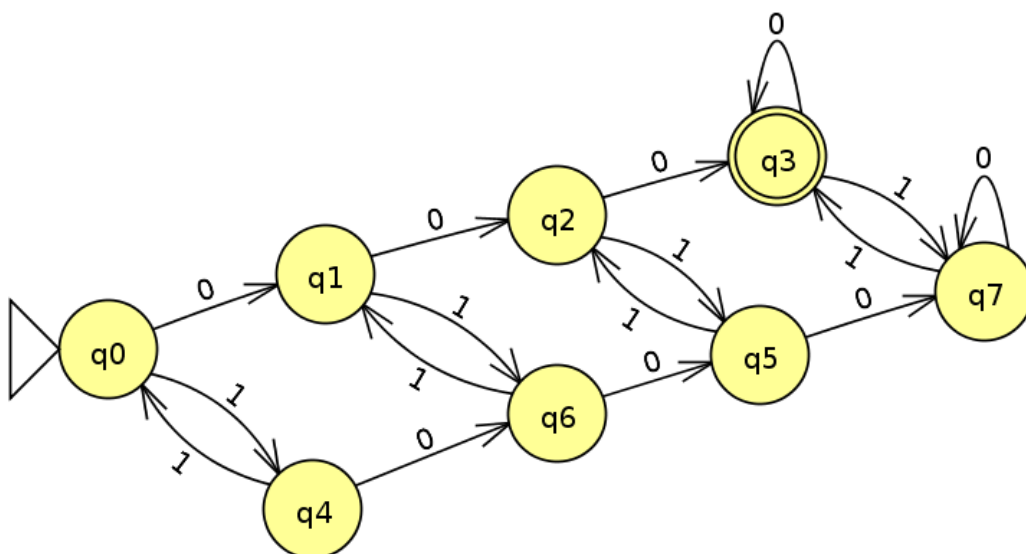
1.



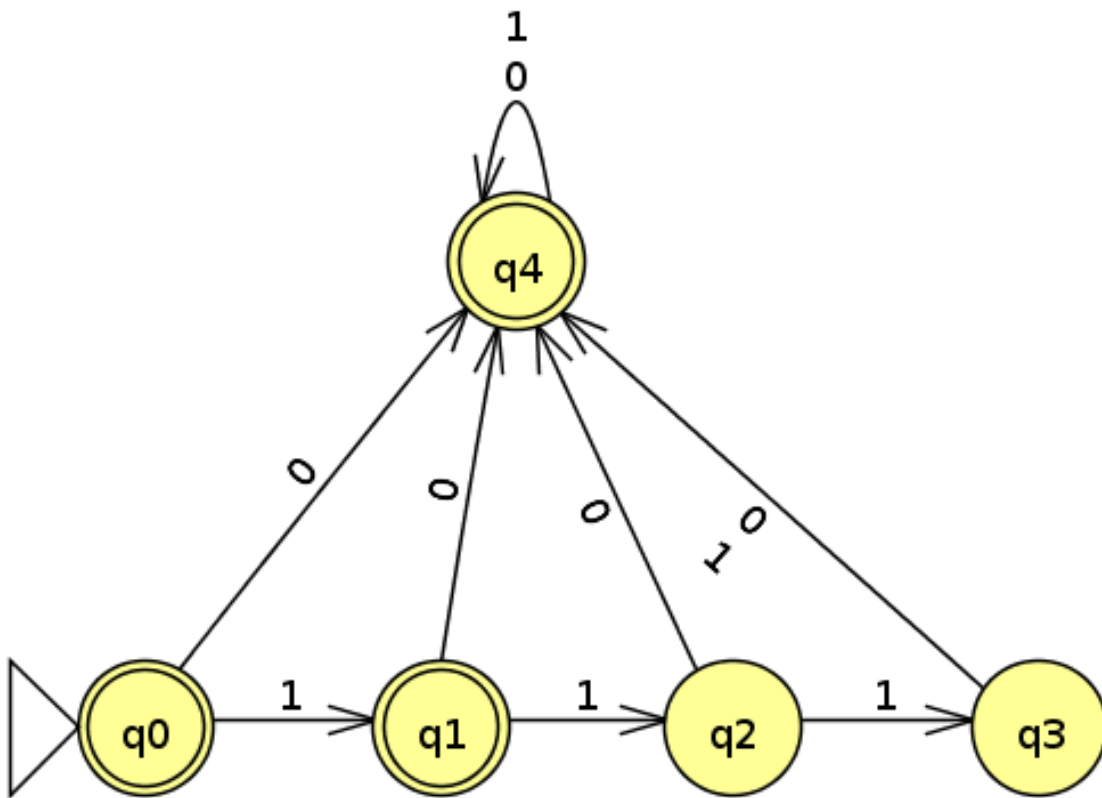
2.



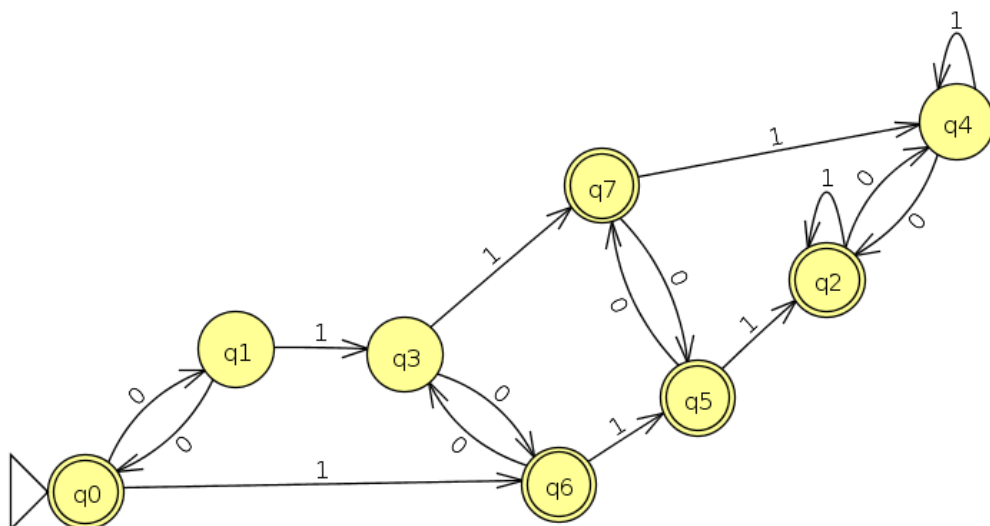
3.



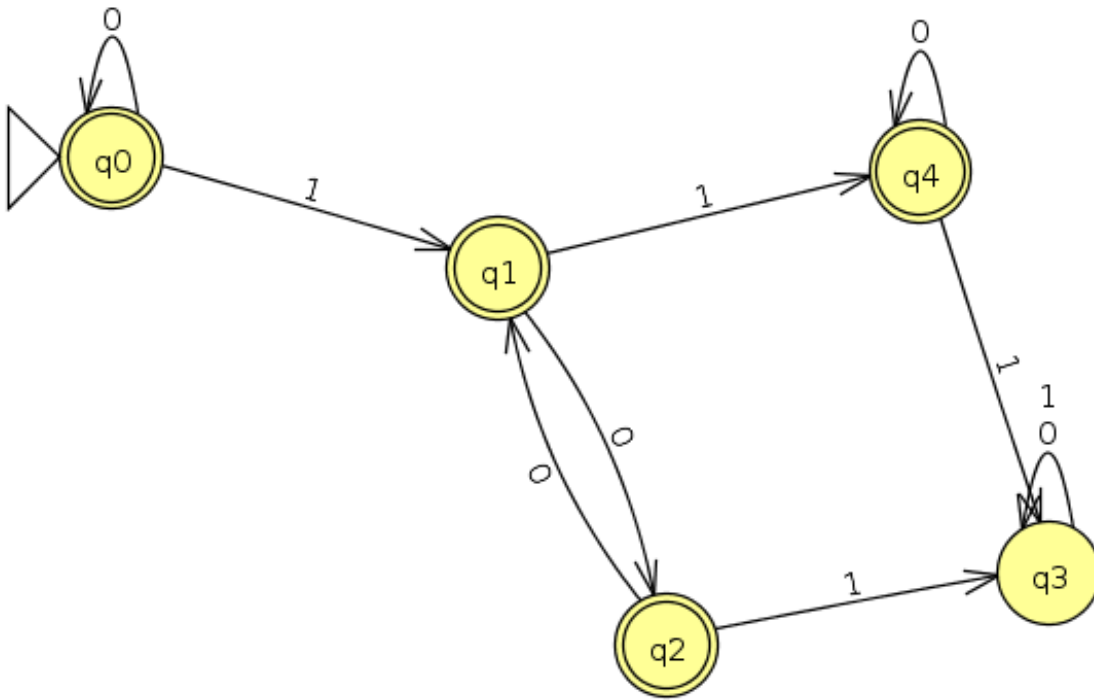
4.



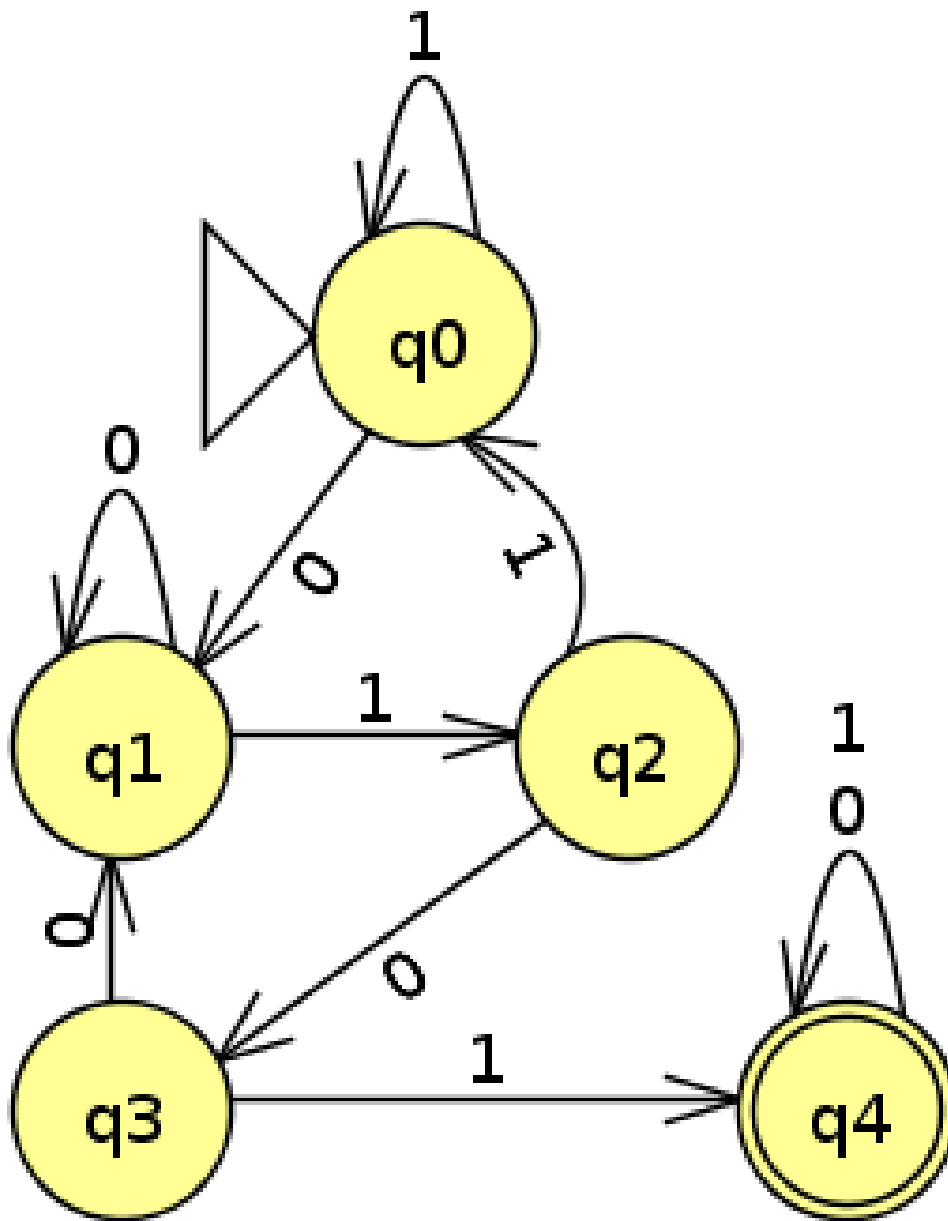
5.



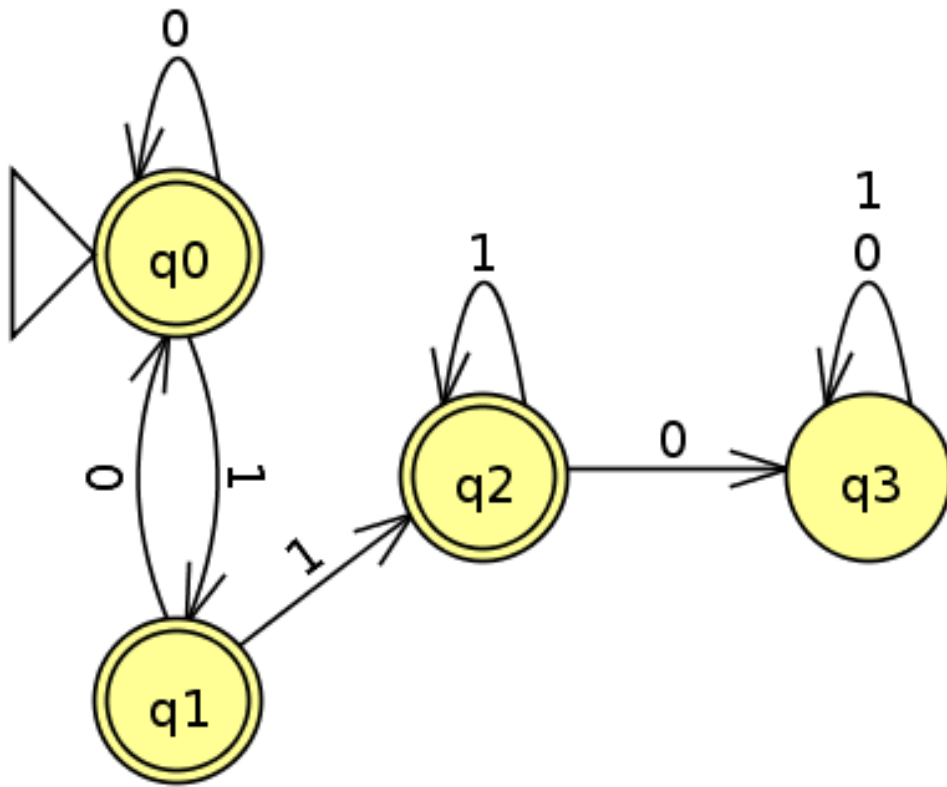
6.



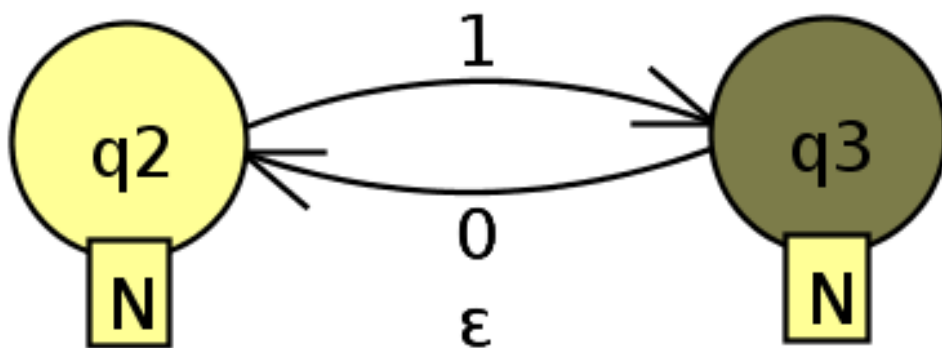
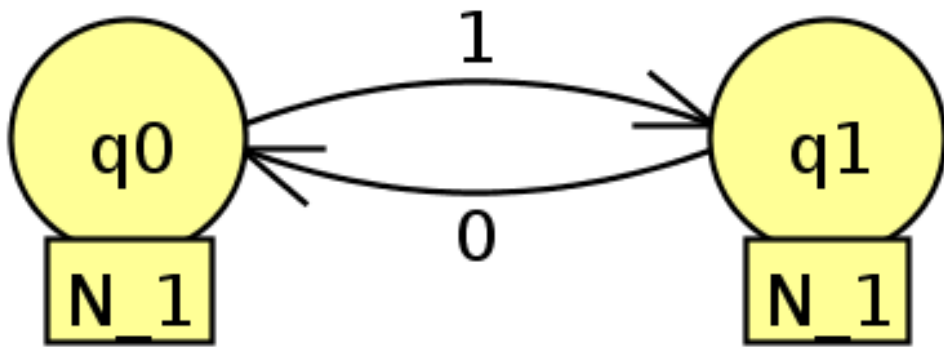
7.



8.



9.



10.

If you craft some NFA that recognizes the input string. Then flip all the arrows, and use the start state as the one accept state. For the start state, create a new one and connect it to the old accept states with  $\epsilon$ -transitions. Since an NFA recognizes the language, it is regular.