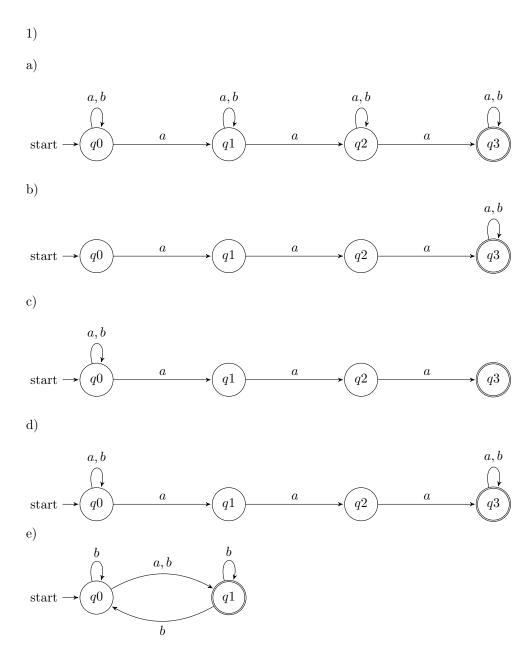
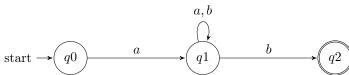
## Assignment 4 Solutions CMPT 440L - Spring 2020

## Mark.blankson-hemans 1@Marist.edu

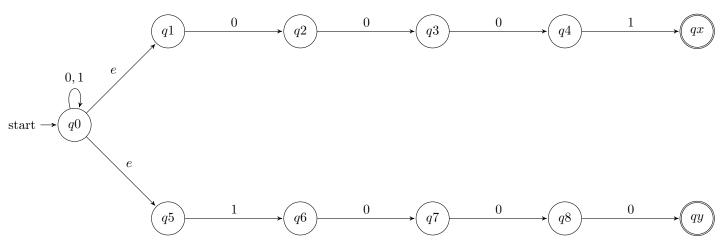
## February 24, 2020

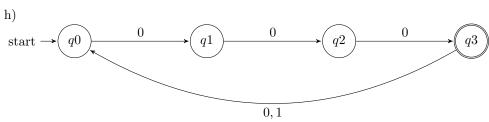






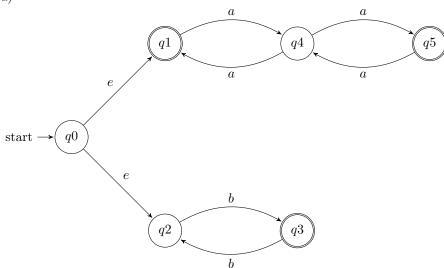
g)



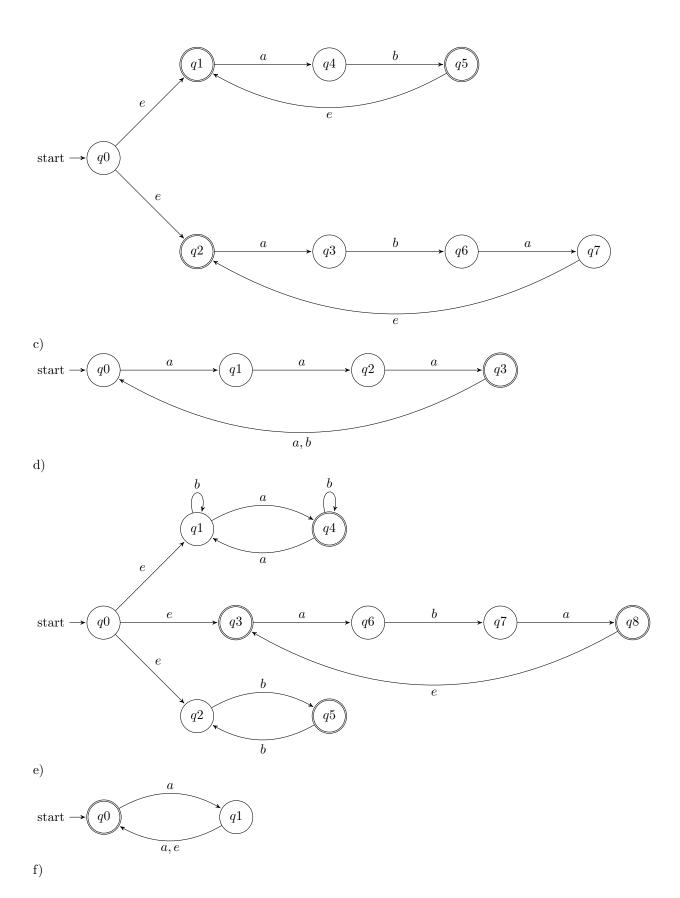


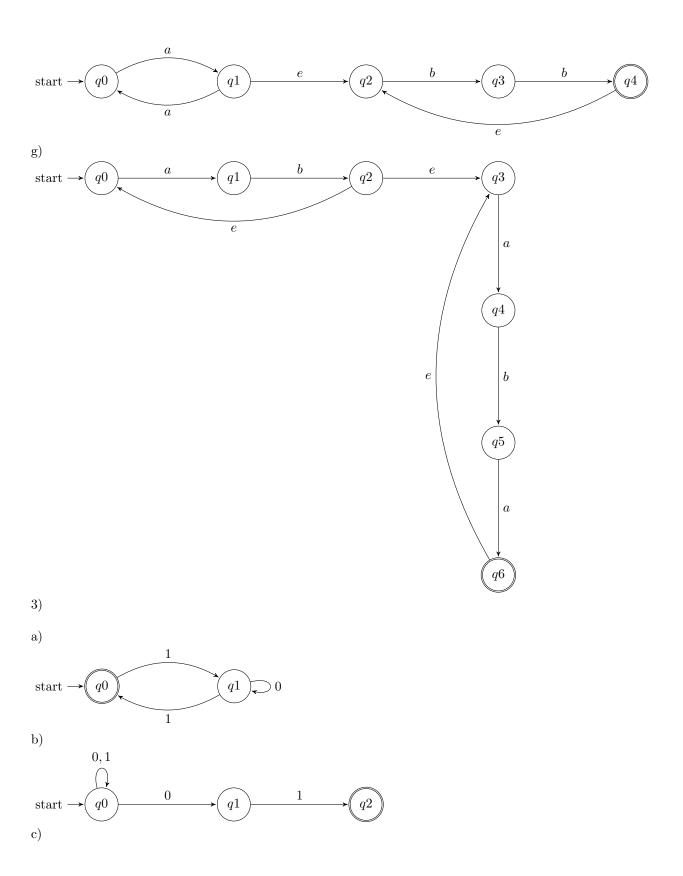
2)

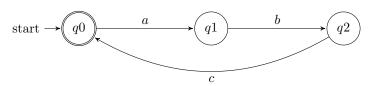




b)







4)

$$\begin{array}{l} a)\\ (q0,\,q1,\,a,\,b,\,*,\,q0,\,q1)\\ *(q0,\,a) = q0,q1\\ *(q0,\,b) =\\ *(q0,\,e) =\\ *(q1,\,a) = q1\\ *(q1,\,b) = q1 \end{array}$$

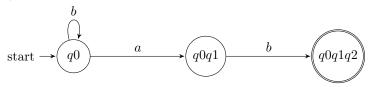
 $*(q1,\,e) =$ 

 $\begin{array}{l} b)\\ (q0,\,q1,\,a,\,b,\,*,\,q0,\,q1)\\ *(q0,\,a) = q0,q1\\ *(q0,\,b) =\\ *(q0,\,e) =\\ *(q1,\,a) =\\ *(q1,\,b) =\\ *(q1,\,e) =\\ \end{array}$ 

 $\begin{array}{l} c)\\ (q0,\,a,\,b,\,*,\,q0,\,q0)\\ *(q0,\,a) = q0\\ *(q0,\,b) = q0\\ *(q0,\,e) = \end{array}$ 

 $\begin{array}{l} d)\\ (q0,\,a,\,b,\,*,\,q0,\,q0)\\ *(q0,\,a) =\\ *(q0,\,b) =\\ *(q0,\,e) =\\ \end{array}$ 

5)



start  $\rightarrow (q0)$   $a \rightarrow (q0q1)$   $b, e \rightarrow (q0q1q2)$ 

7)

