

Assignment 4 Solutions

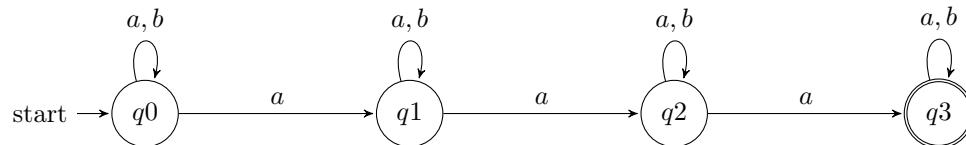
CMPT 440L - SPRING 2020

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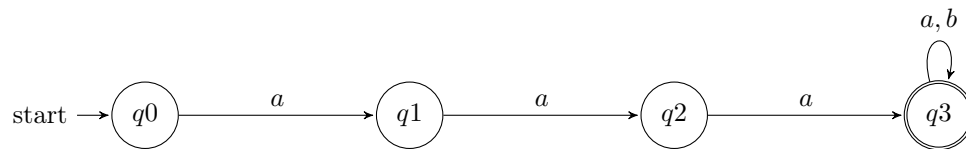
February 24, 2020

1)

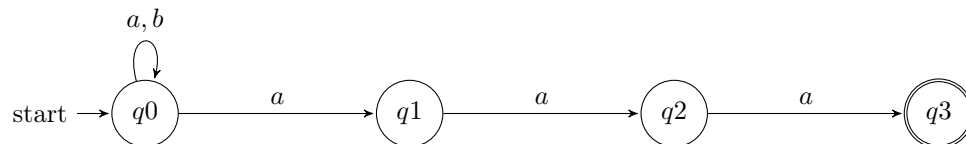
a)



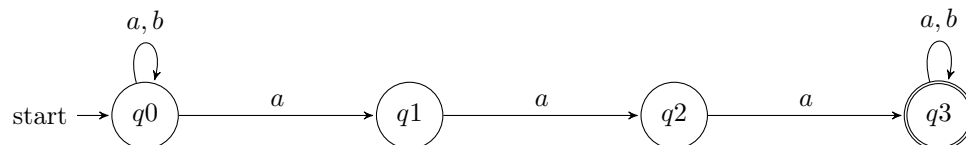
b)



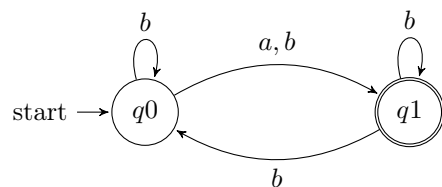
c)



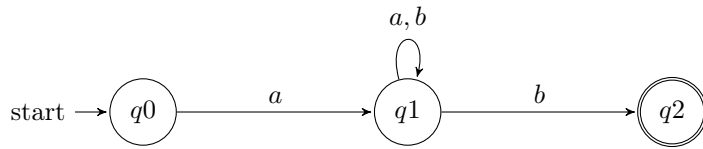
d)



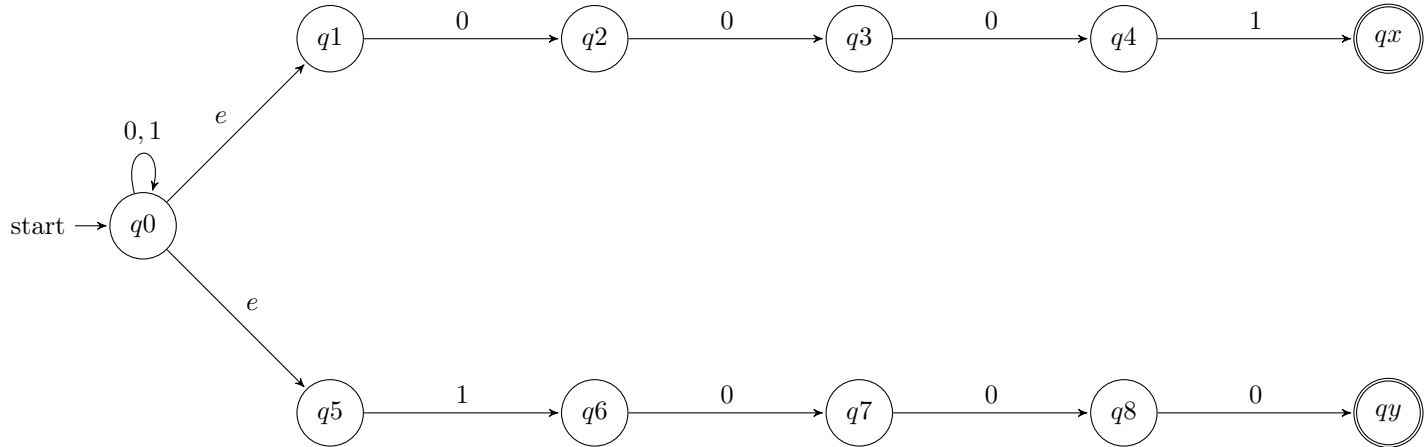
e)



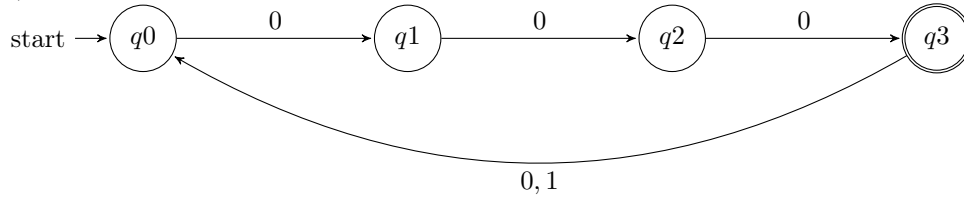
f)



g)

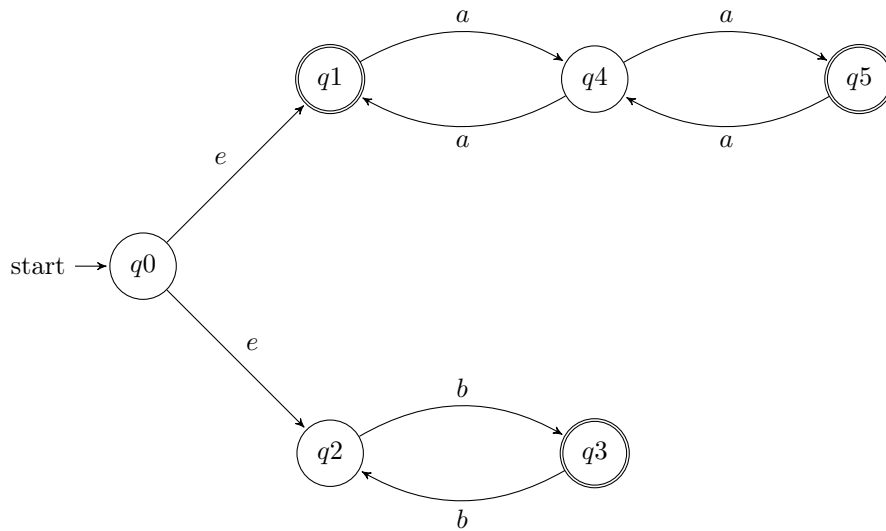


h)

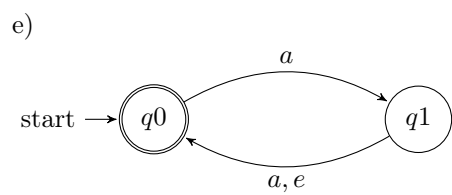
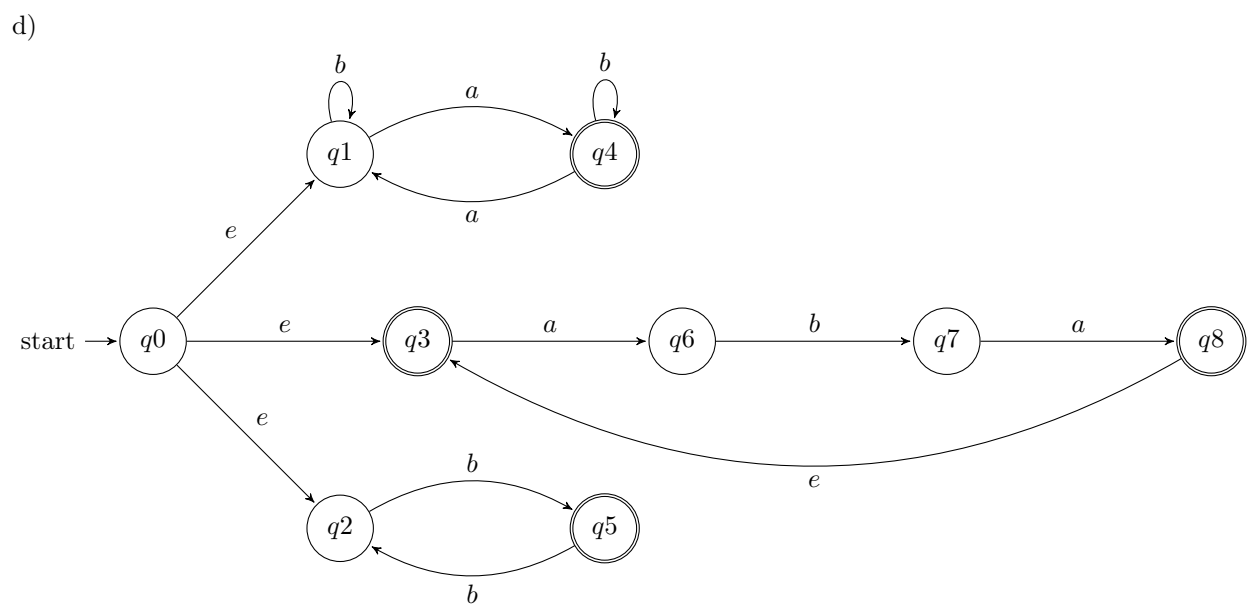
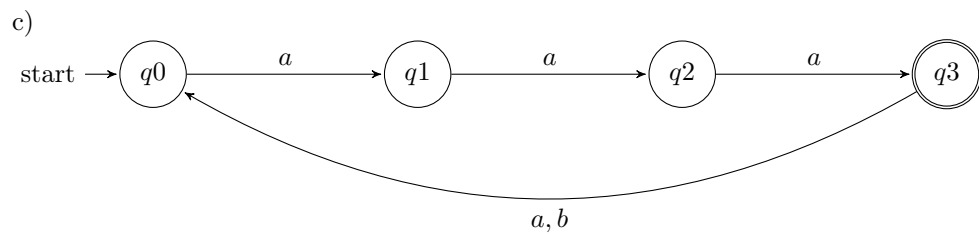
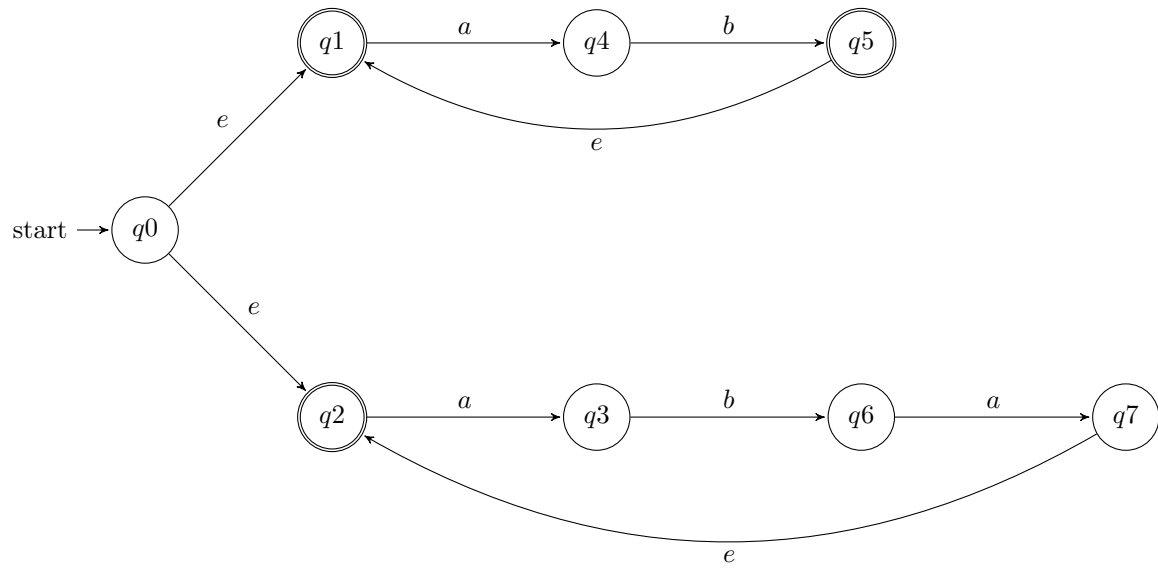


2)

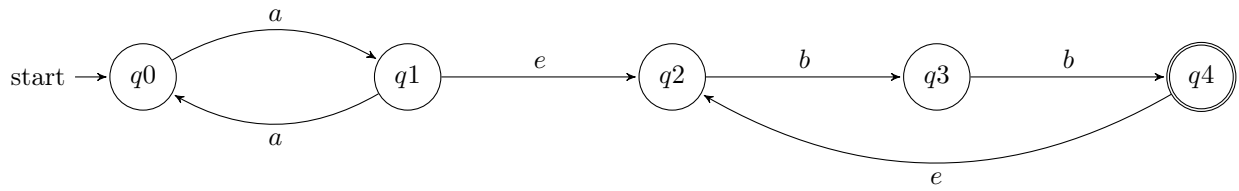
a)



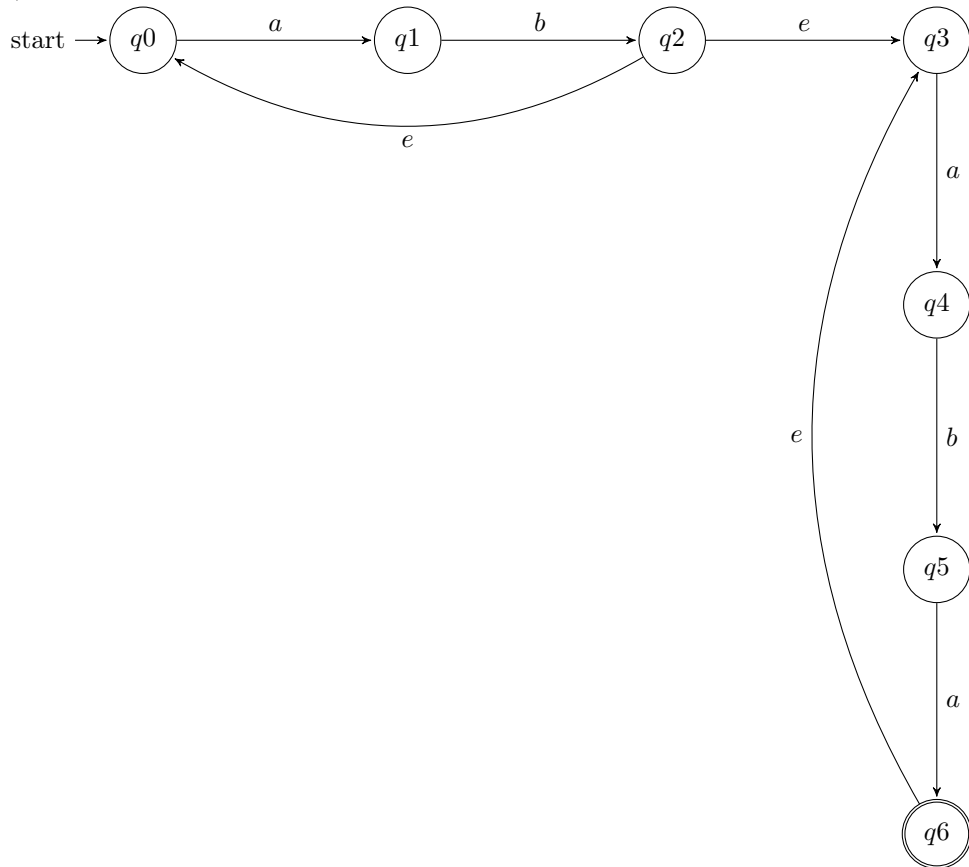
b)



f)

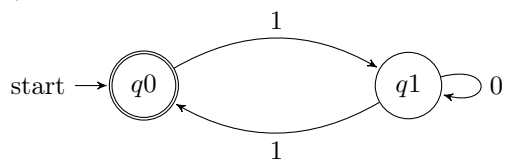


g)

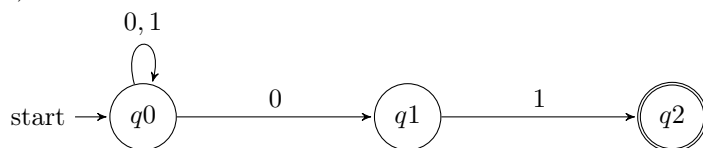


3)

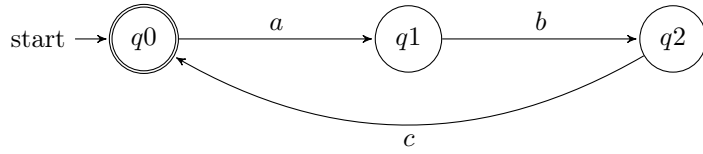
a)



b)



c)



4)

a)

$(q0, q1, a, b, *, q0, q1)$

$*(q0, a) = q0, q1$

$*(q0, b) =$

$*(q0, e) =$

$*(q1, a) = q1$

$*(q1, b) = q1$

$*(q1, e) =$

b)

$(q0, q1, a, b, *, q0, q1)$

$*(q0, a) = q0, q1$

$*(q0, b) =$

$*(q0, e) =$

$*(q1, a) =$

$*(q1, b) =$

$*(q1, e) =$

c)

$(q0, a, b, *, q0, q0)$

$*(q0, a) = q0$

$*(q0, b) = q0$

$*(q0, e) =$

d)

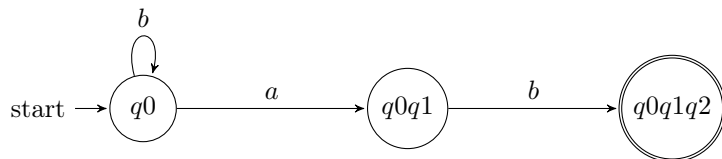
$(q0, a, b, *, q0, q0)$

$*(q0, a) =$

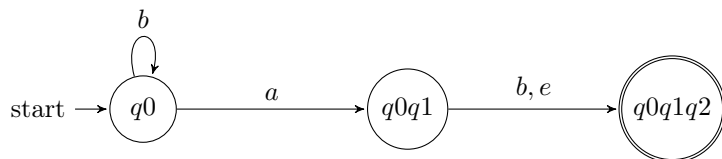
$*(q0, b) =$

$*(q0, e) =$

5)



6)



7)

