

Assignment 5 Solutions

CMPT 440L - SPRING 2020

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1)

a) abc

b) $abc + xyz$

c) $(a + b + c)^*$

d) $a(a+b)^*$

e) $a(a+b)^*b$

f) $(ab)^*$

g) $(a+b)^*aaa(a+b)^*$

i) $aaa(a+b)^*$

j) $(a+b)^*aaa$

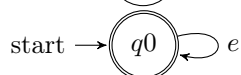
k) $(a+b)^*a(a+b)^*a(a+b)^*a(a+b)^*$

2)

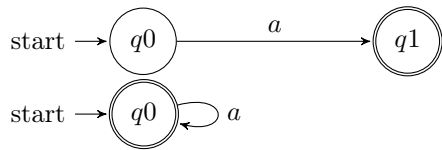
a)



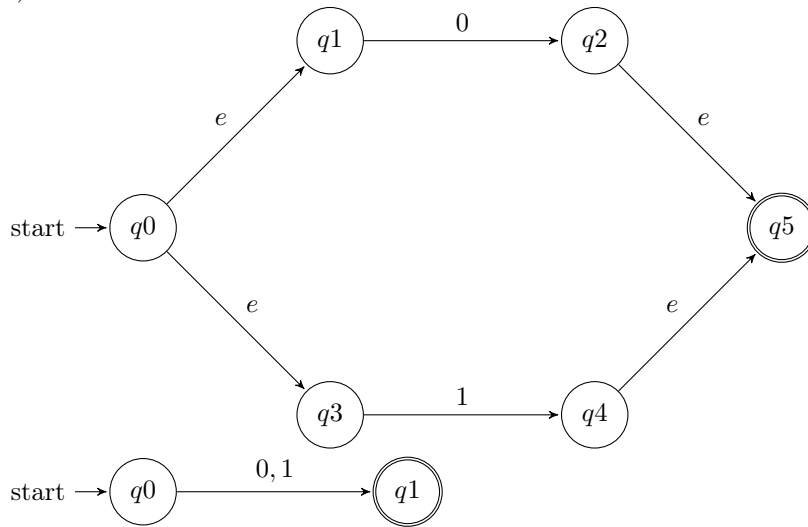
b)



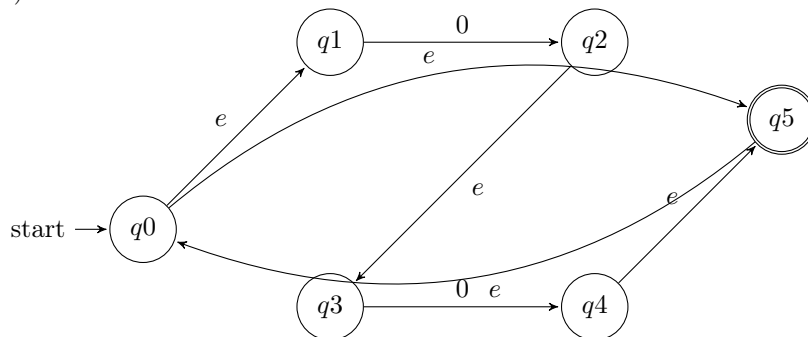
c)



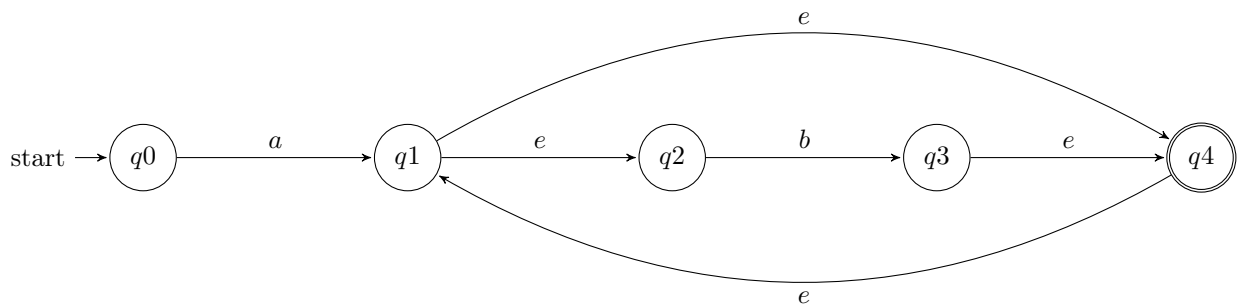
d)



e)



f)



3)

a)

b) b

c) b

d) $a^*b^*a^*$

e) $a^* + b^*$

f) b