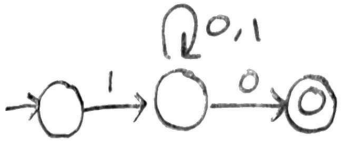
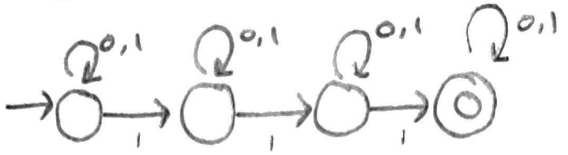
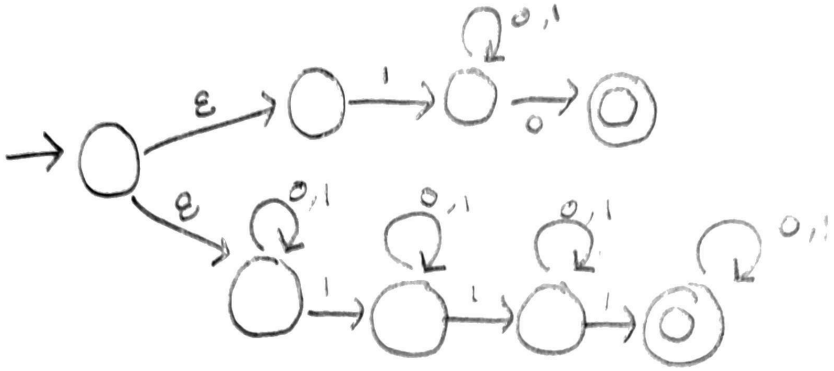
1.8) a)

1.6 a)

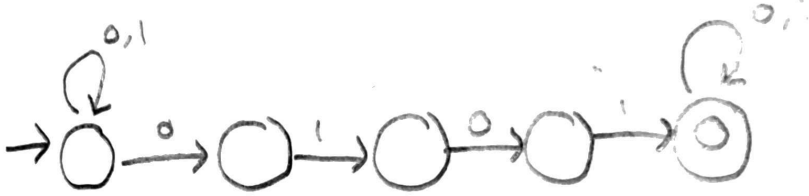


1.6 b)

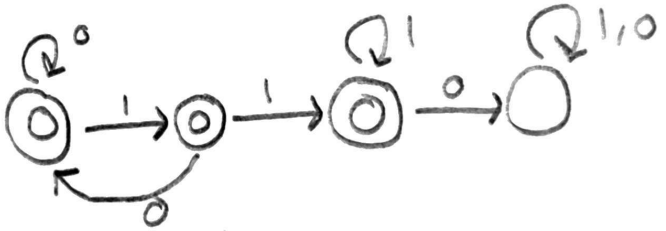


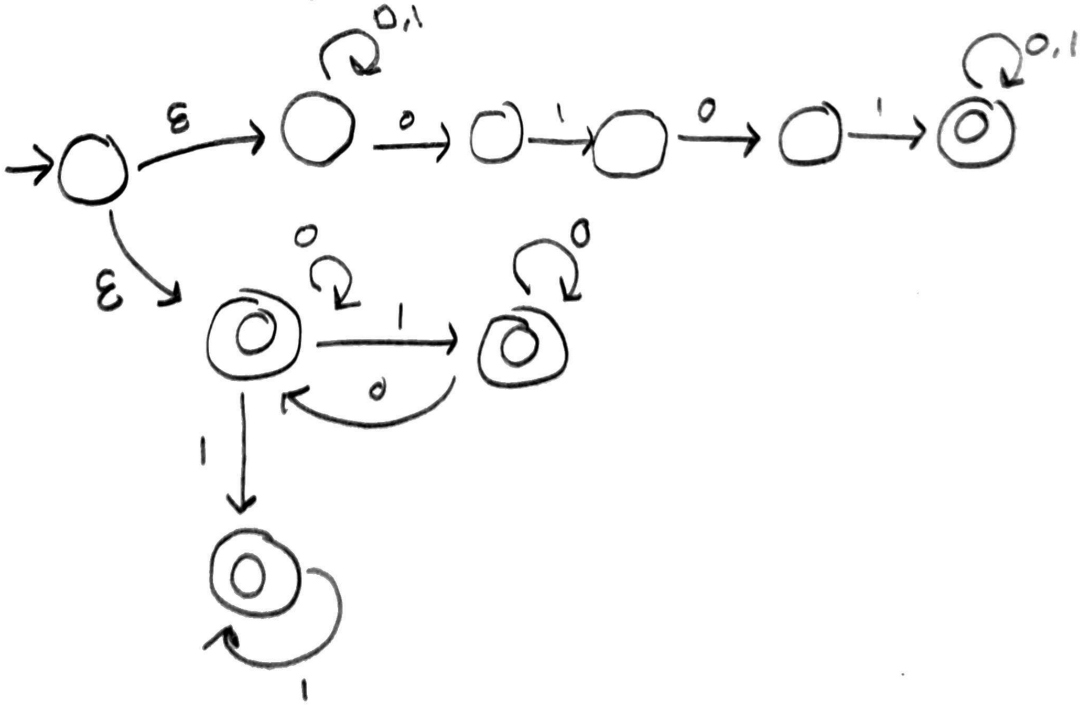


b) 1.6 c)

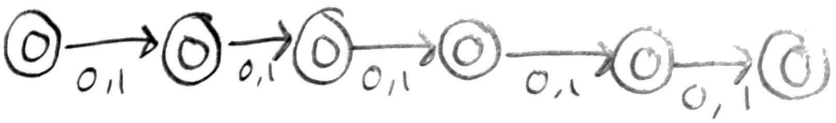


1.6 f)

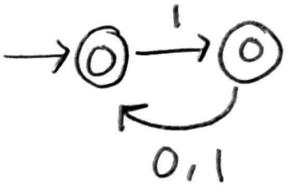


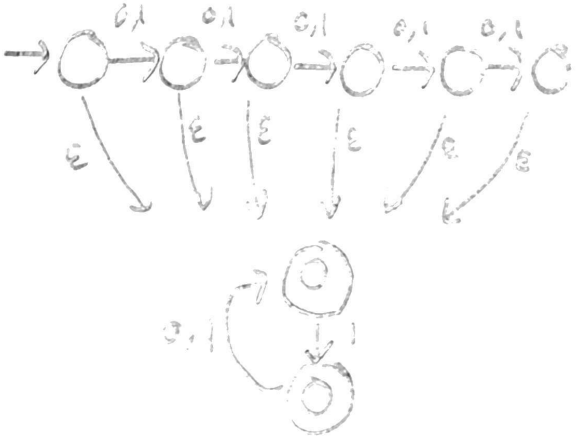


1.9) a) 1.6g)

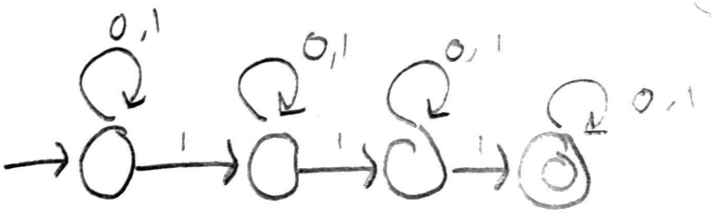


1.6i)

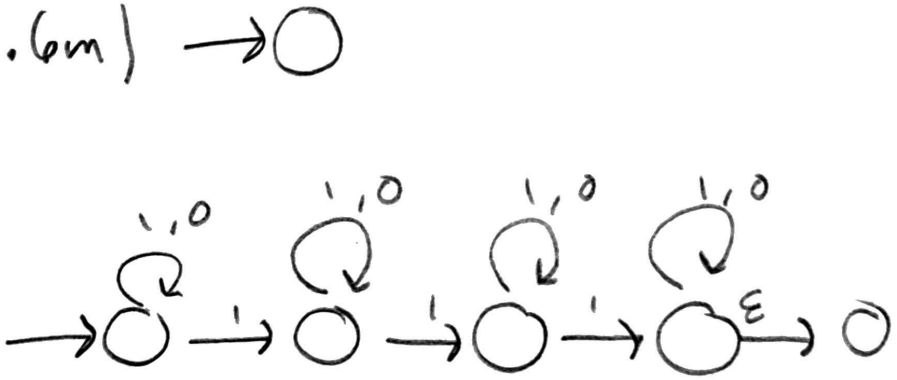




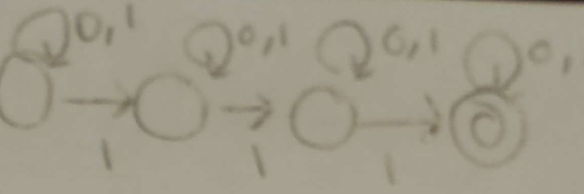
1.9) b) 1.6b)

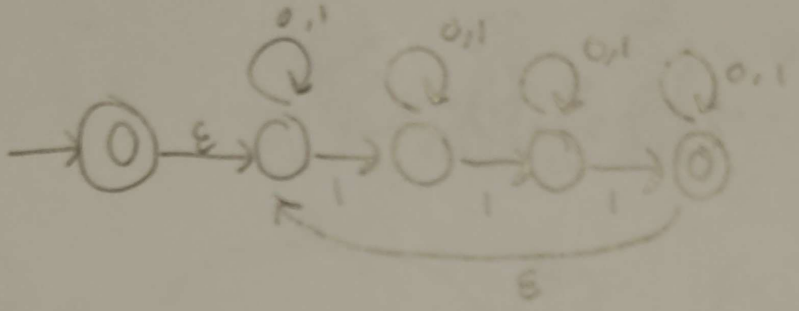


1.6m)

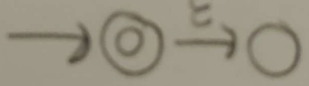


1.10a) 1.6 b)

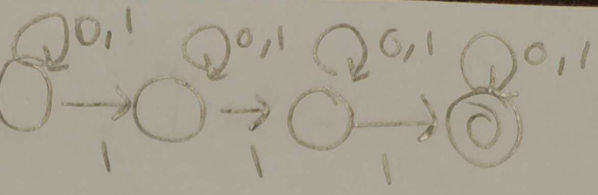


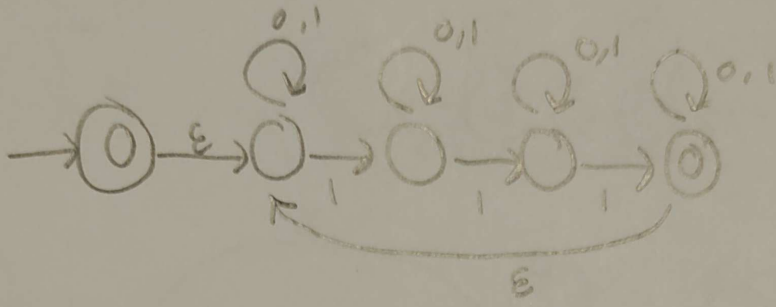


1.10 c) 1.6 m)

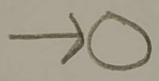


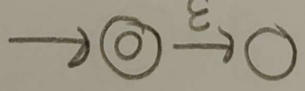
1.10 a) 1.6 b)



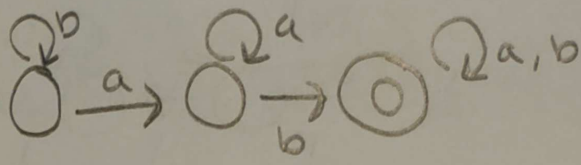


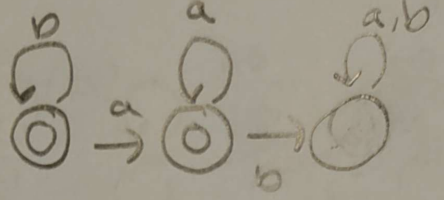
1.10 c) 1.6 m)



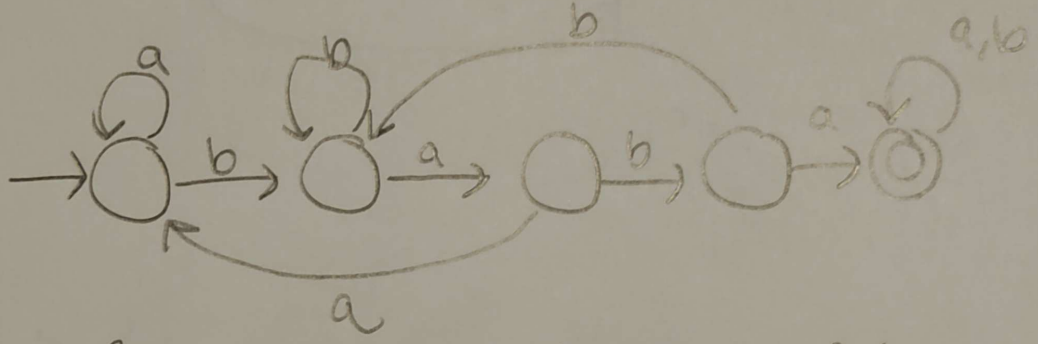


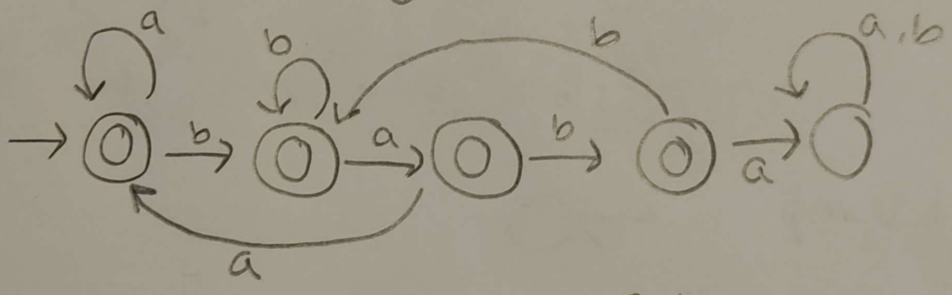
1.5) a)

$L =$ 

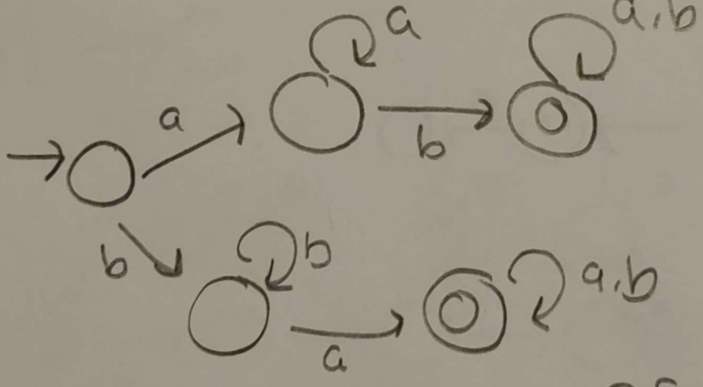
$\overline{L} =$ 

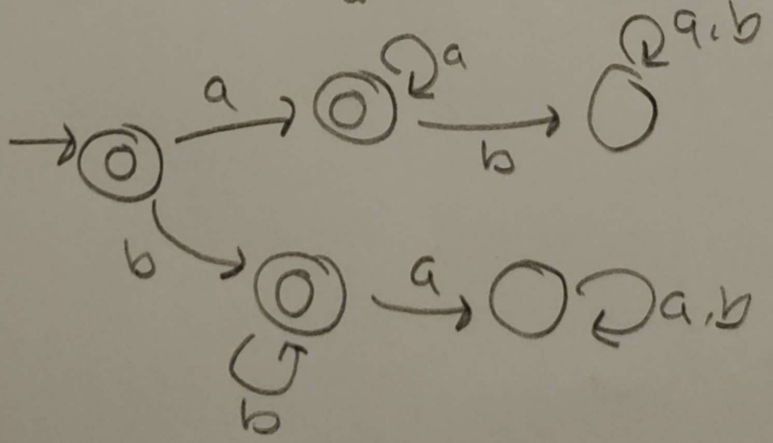
b)

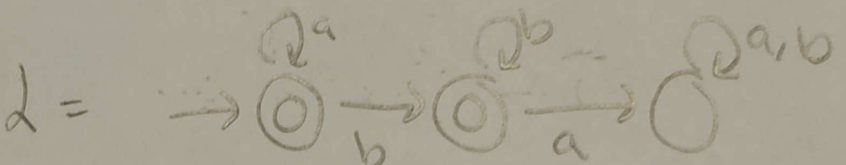
$L =$ 

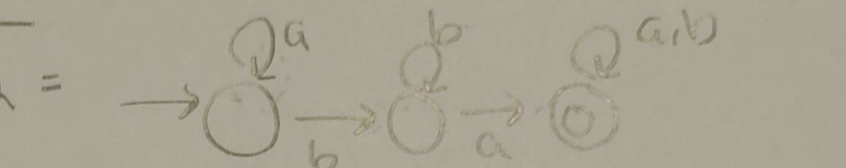
$\overline{L} =$ 

c)

$L =$ 

$\overline{L} =$ 

1.5) d) $A =$ 

$\overline{A} =$ 

1.18) a) $R = 1\Sigma^*0$

b) $R = \Sigma^*1\Sigma^*1\Sigma^*1\Sigma^*$

c) $R = \Sigma^*0101\Sigma^*$

d) $R = \Sigma\Sigma0\Sigma^*$

e) [redacted] $0(\Sigma\Sigma)^* \cup 1\Sigma(\Sigma\Sigma)^*$

g) $\Sigma \cup \Sigma\Sigma \cup \Sigma\Sigma\Sigma \cup \Sigma\Sigma\Sigma\Sigma \cup \Sigma\Sigma\Sigma\Sigma\Sigma$

k) $R = 0 \cup \varepsilon$

m) $R = \emptyset$

n) $R = \Sigma\Sigma^*$