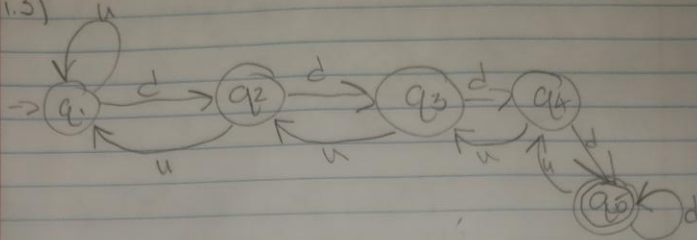


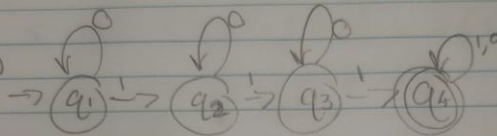
Eric Dennis

HW1

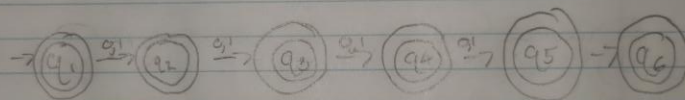
a) 1.3)



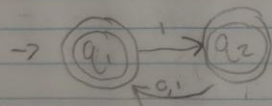
b) 1.6 b)



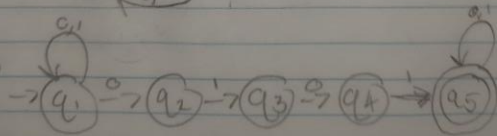
c)



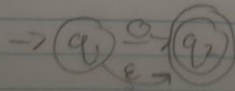
d)



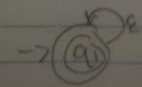
e) 1.7 b)



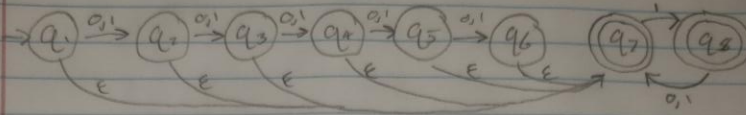
f)



g)



d) 1.9 a) 1.6g o 1.6i



e) 1.6 b) $(\Sigma^* \mid \Sigma^* \mid \Sigma^* \mid \Sigma^*)$

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

i) $1 (0 \mid 1 \mid \epsilon)^* (0 \mid 1 \mid \epsilon)$

f) 1.20 b)

are members

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f)

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b a b

h)

b b a b a

b a a a a

are not members

b a b

a a b

a b b

b a a

1 2 3

c d e