1.

δ( ((r1, r2), x) ) = ( δ1(r1, x), δ2(r2, x) ) | r1 is within Q1, r2 is within Q2, x is with Sigma

q0 = (q1, q2)

F = ( Q1 X (Q2 \ F2) ) U (F1 X Q2)

2.

a) REJECT

b) ACCEPT

c) ACCEPT

d) REJECT

e) REJECT

3.

a) N’c

b) q1

c) {q1}

d) abb

e) aa

f) q0

g) {qnew}

h) aaa

i) ab