1. A picture containing diagram

   Description automatically generated
2. δ(q0, a) = q1, δ(q0, b) = q9

δ(q1, a) = q8, δ(q1, b) = q2

δ(q2, a) = q3, δ(q2, b) = q2

δ(q3, a) = q2, δ(q3, b) = q4

δ(q4, a) = q5, δ(q4, b) = q8

δ(q5, a) = q4, δ(q5, b) = q5

δ(q6q7, a) = q6q7, δ(q6q7, b) = q5

δ(q8, a) = q1, δ(q8, b) = q3

δ(q9, a) = q6q7, δ(q9, b) = q8

1. A picture containing graphical user interface

   Description automatically generated