Shape

Description automatically generated with medium confidence

Q is a finite set of states

Σ is a finite set of symbols

δ is the transition function, where δ : Q×Σ → Q

q0 is the initial state

F is the final state

Q = {0, 1, 2}

Σ = {0, 1}

q0 = {0}

F = {2}

Table of transition function δ : Q×Σ → Q

|  |  |  |
| --- | --- | --- |
| Present State | Next State Reach 0 | Next State Reach 1 |
| 0 | 0 | 1 |
| 1 | 2 | 0 |
| 2 | 1 | 2 |