

# **Theory of Computation**

# **&**

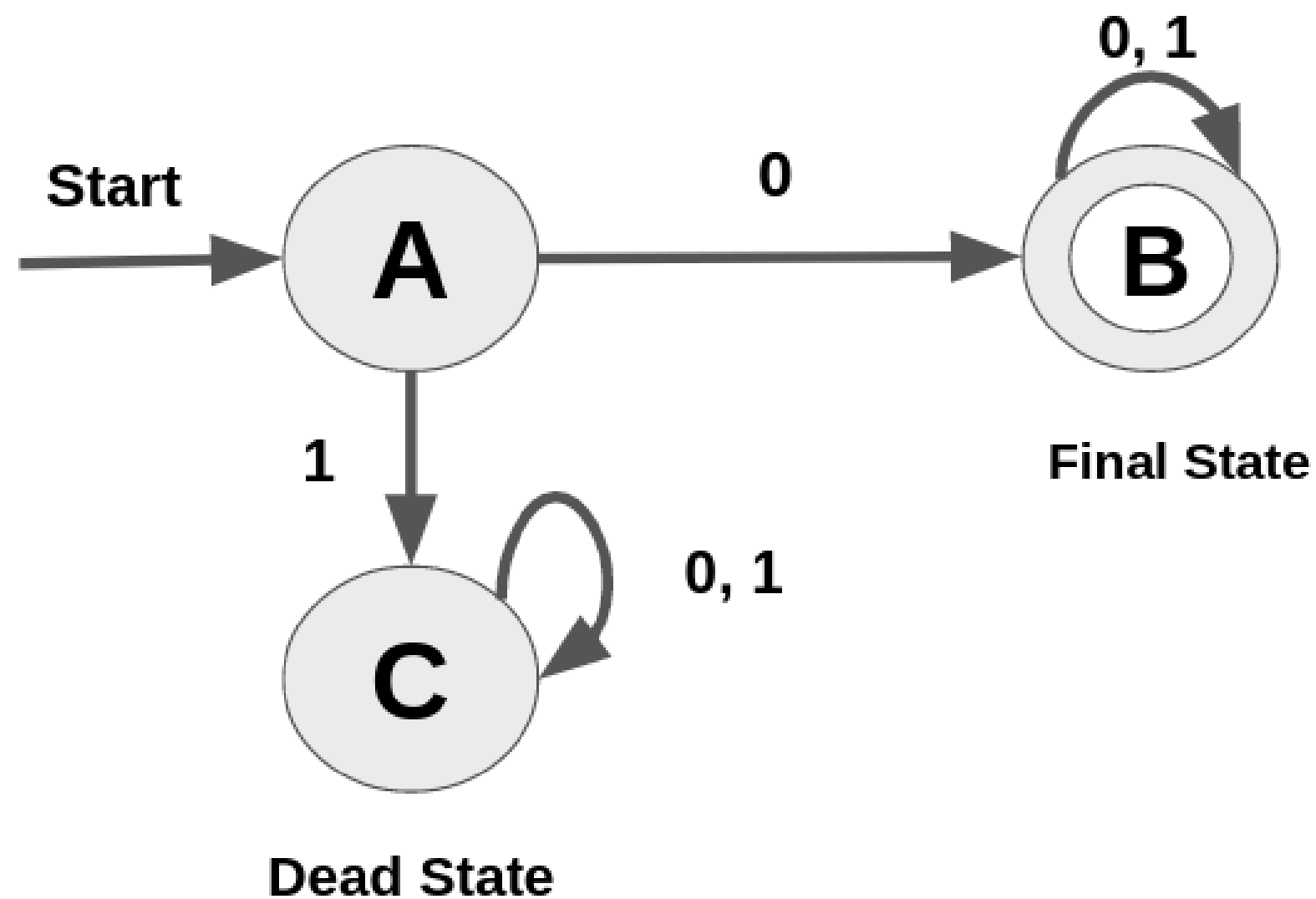
# **Automata Models:**

## **Programming Languages**

## **Pialago, Nathaniel Christian M.**

## **BSCS601**

# Deterministic Finite Automata



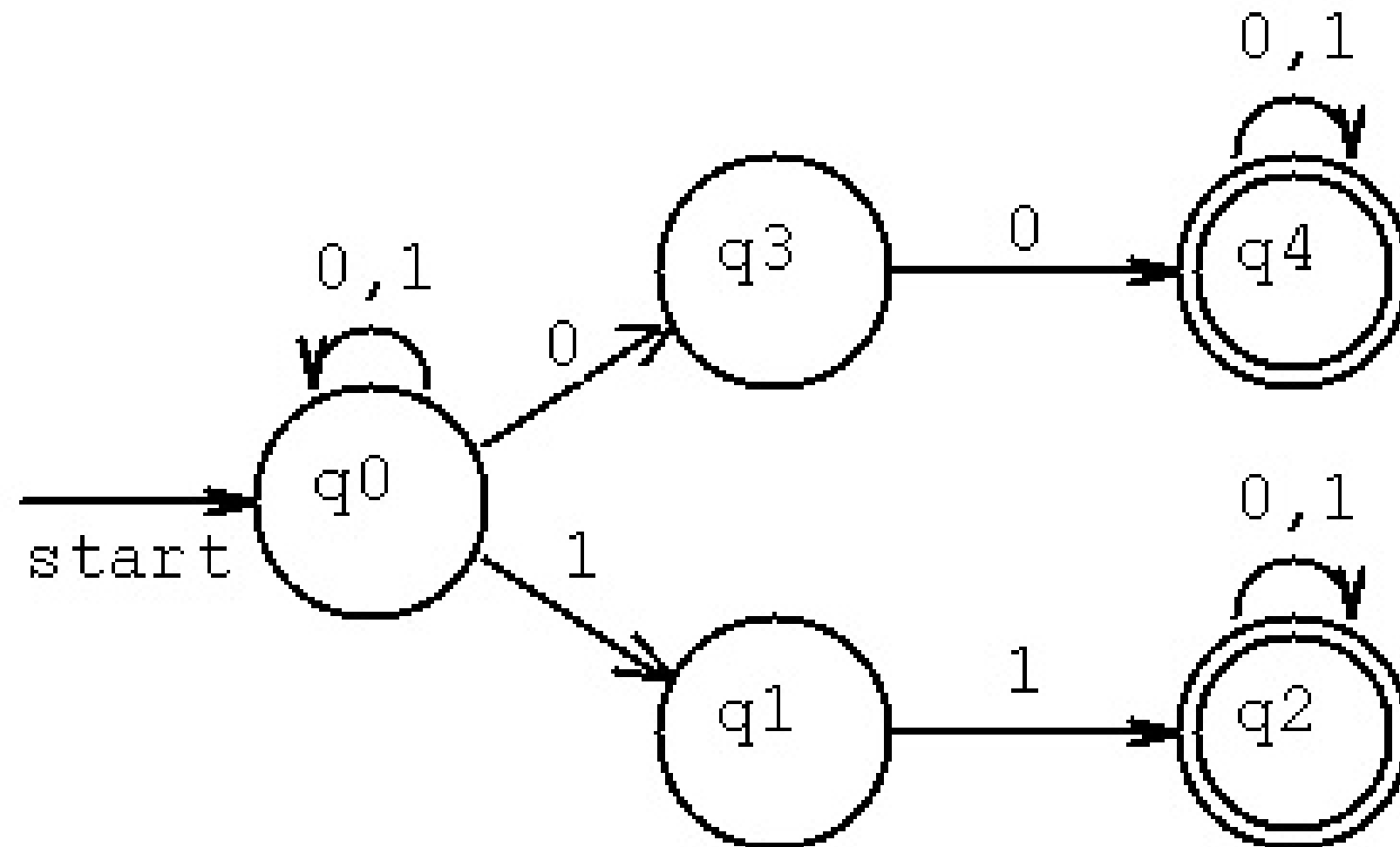
**01011**



**10010**



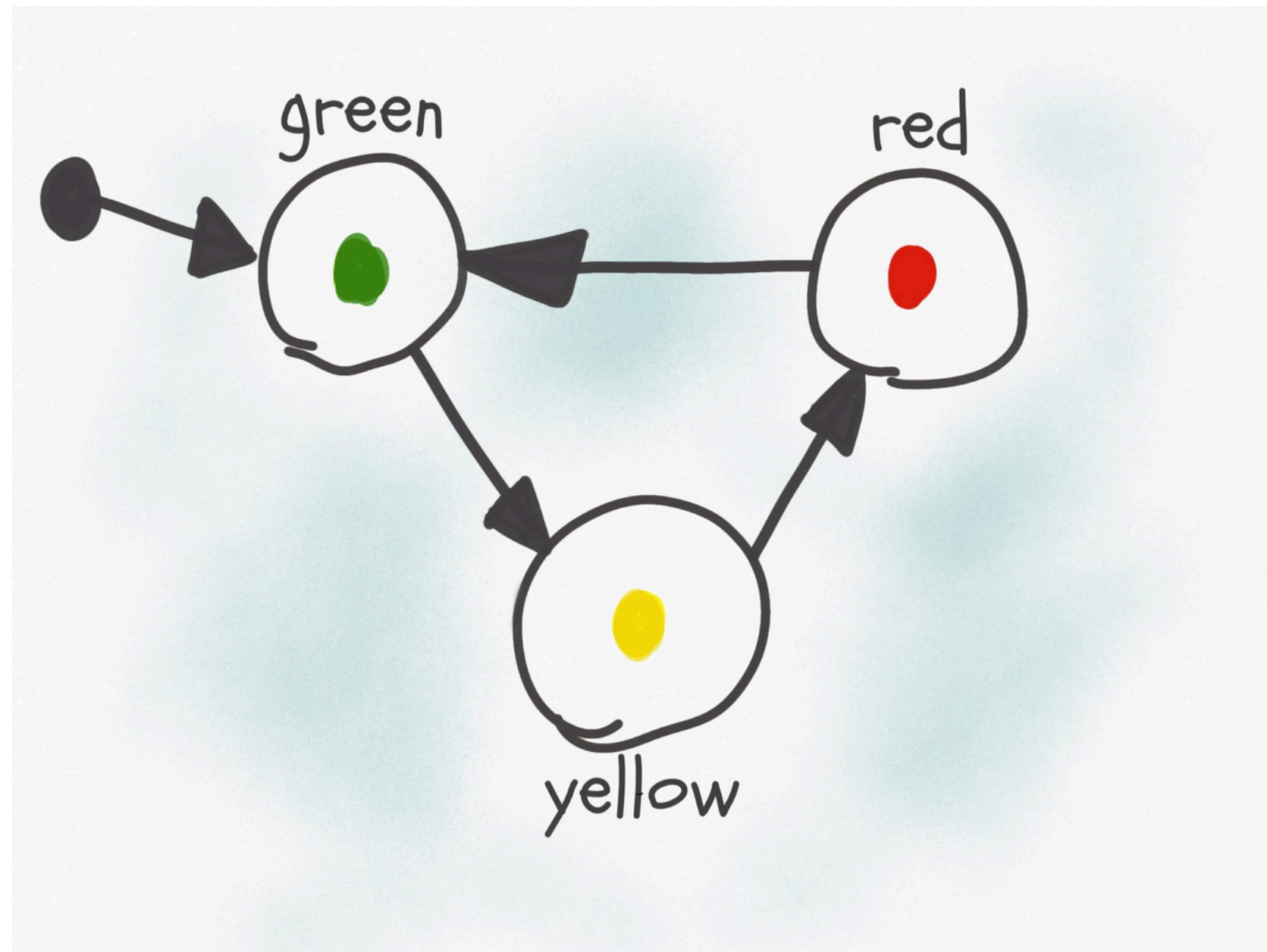
# Non-Deterministic Finite Automata



**0001**

**1110**

# Finite State Machine



**green, yellow, red**

**green, yellow, red,  
green**

**green, yellow**