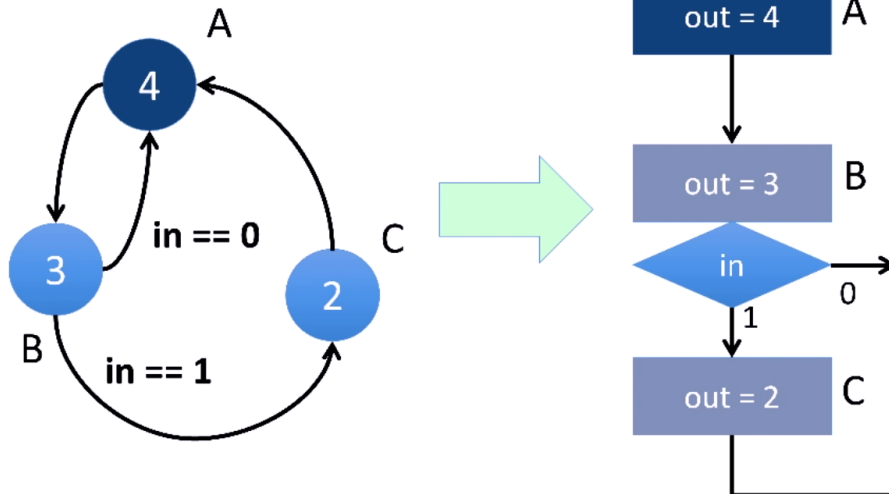


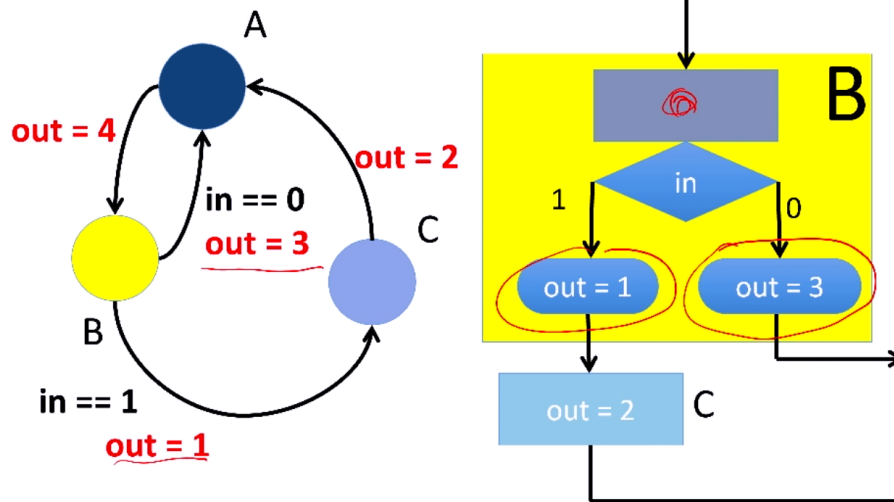
Overview

- compatible with [[Finite State Machines]]
 - Moore machines



- *
 - Mealy machines

Mealy Machines



Register Operations

- Data Path
 - provides functional units and actions
 - each action triggered via control signal
 - control signals stored in register
 - * operations for register X

clrx	incx	action
0	0	$X \leftarrow X$
0	1	$X \leftarrow X + 1$
1	0	$X \leftarrow 0$

*

- Control Unit
 - defines what action should be executed
 - sends control signal