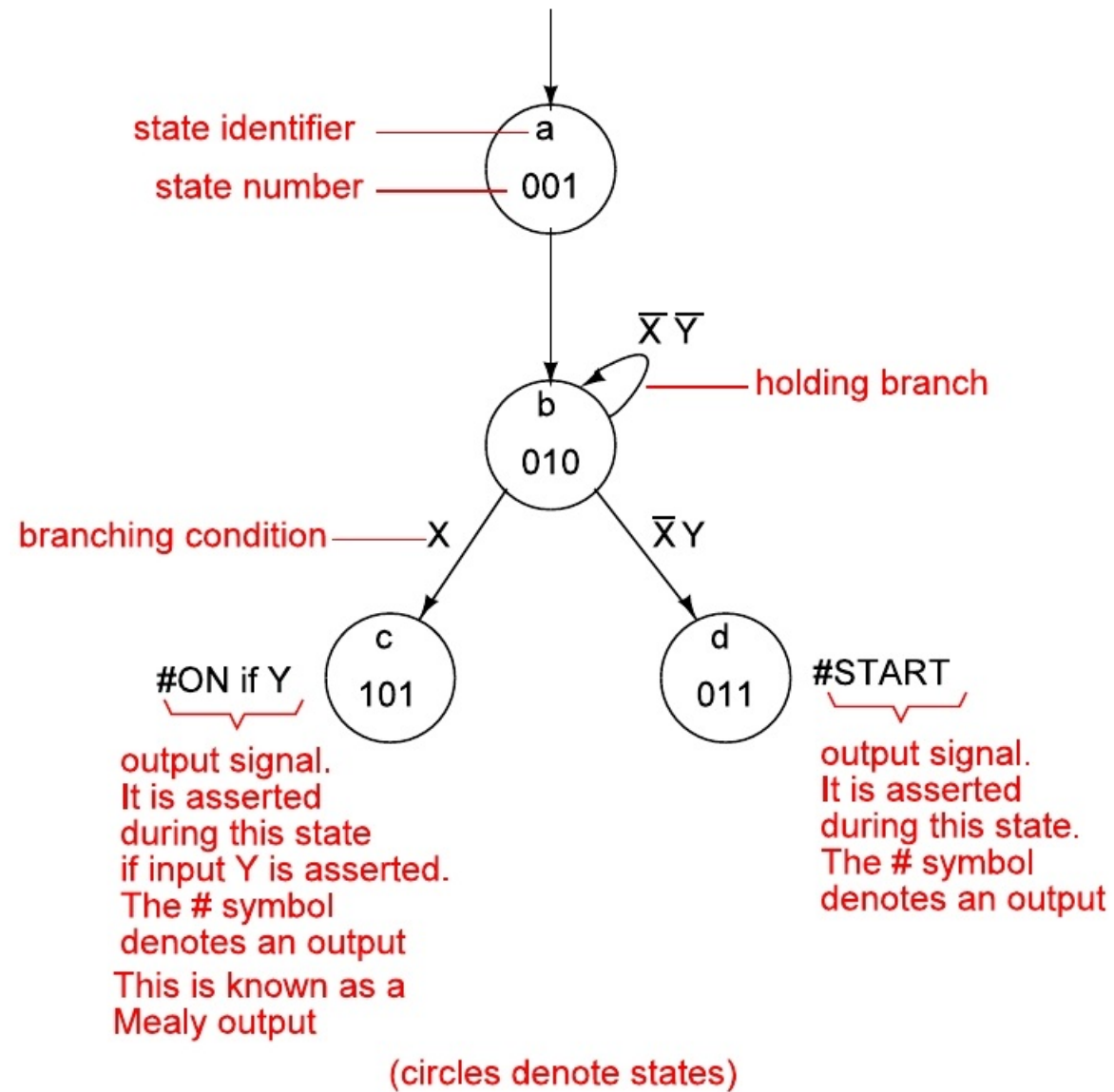
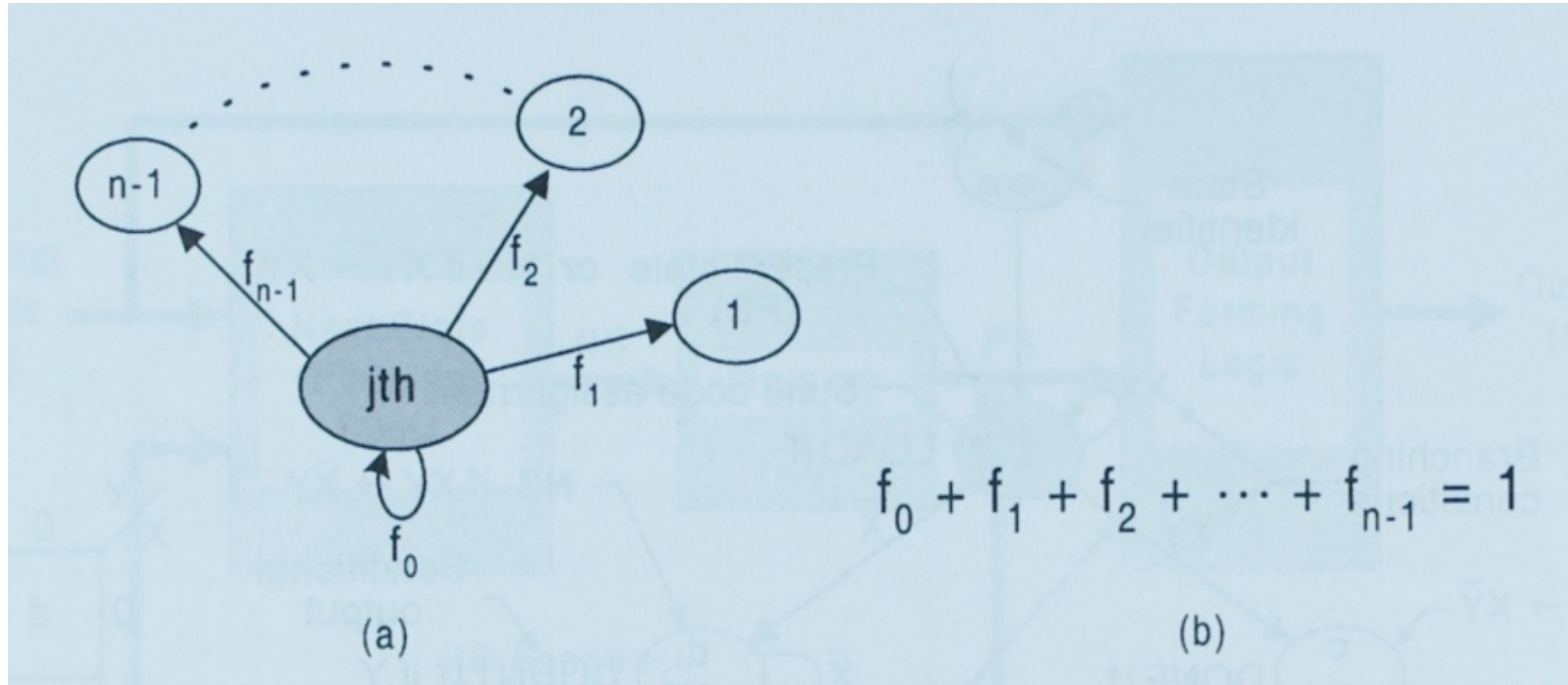


Details about state machines and state diagrams

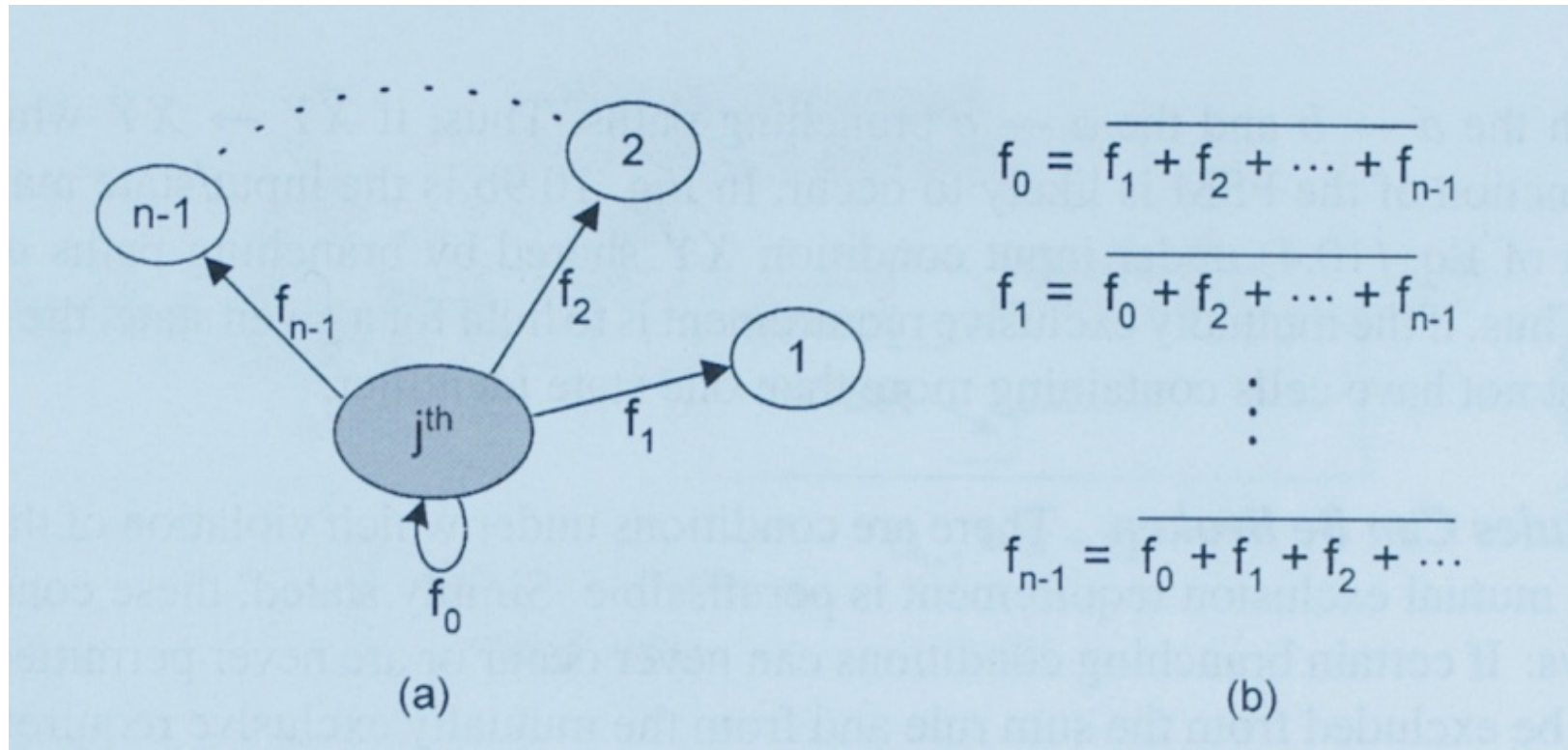


Branching condition rules



Sum rule:

The Boolean sum of all branching conditions from a given state must be a logic 1



Mutually Exclusive Requirement:

Each possible branching condition from a given state must be associated with no more than one branching path.

Homework # 1

In the state diagram below assume that branch f_{n-1} is branch f_3 for this problem.

Evaluate the branching conditions shown on the state diagram below to determine if:

- the sum rule is obeyed
- the mutually exclusive requirement is met.

You must show your work, not just a statement of compliance or not.

Submit to the D2L drop box.

