

Cs8650-1-20-09-P2

Robotic Control

CS 8650
Introduction to AI & Robotics
Dr. Ken Hoganson

Class

Will

Start

Momentarily...

Robot moves material from location A to location B, repeats a specified number of times.

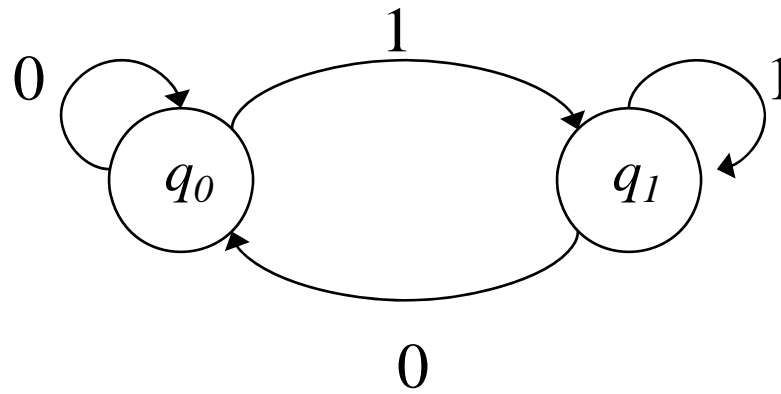


Figure 12.1 Finite State Machine

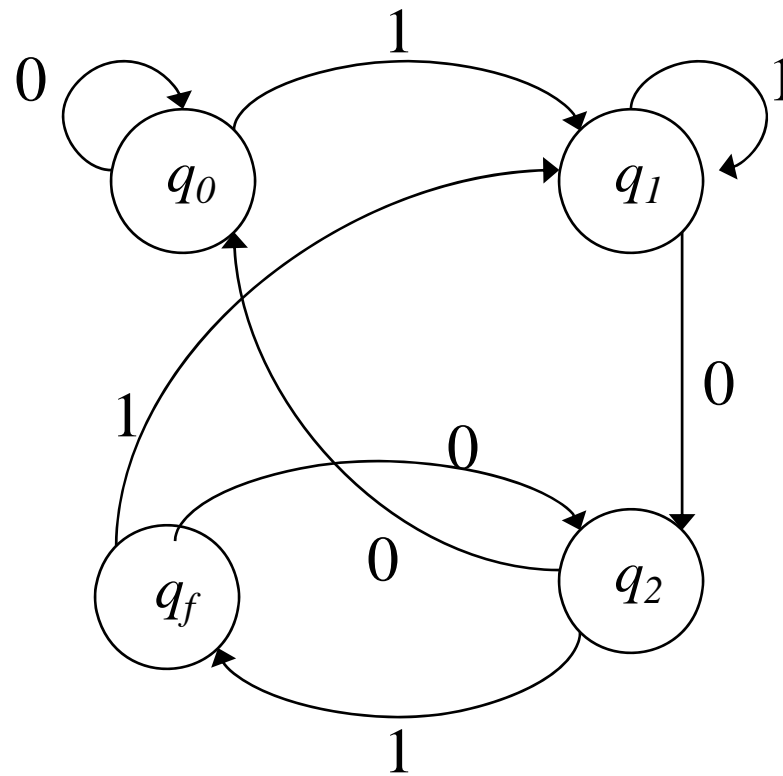


Figure 12.2 Four-State Finite State Machine

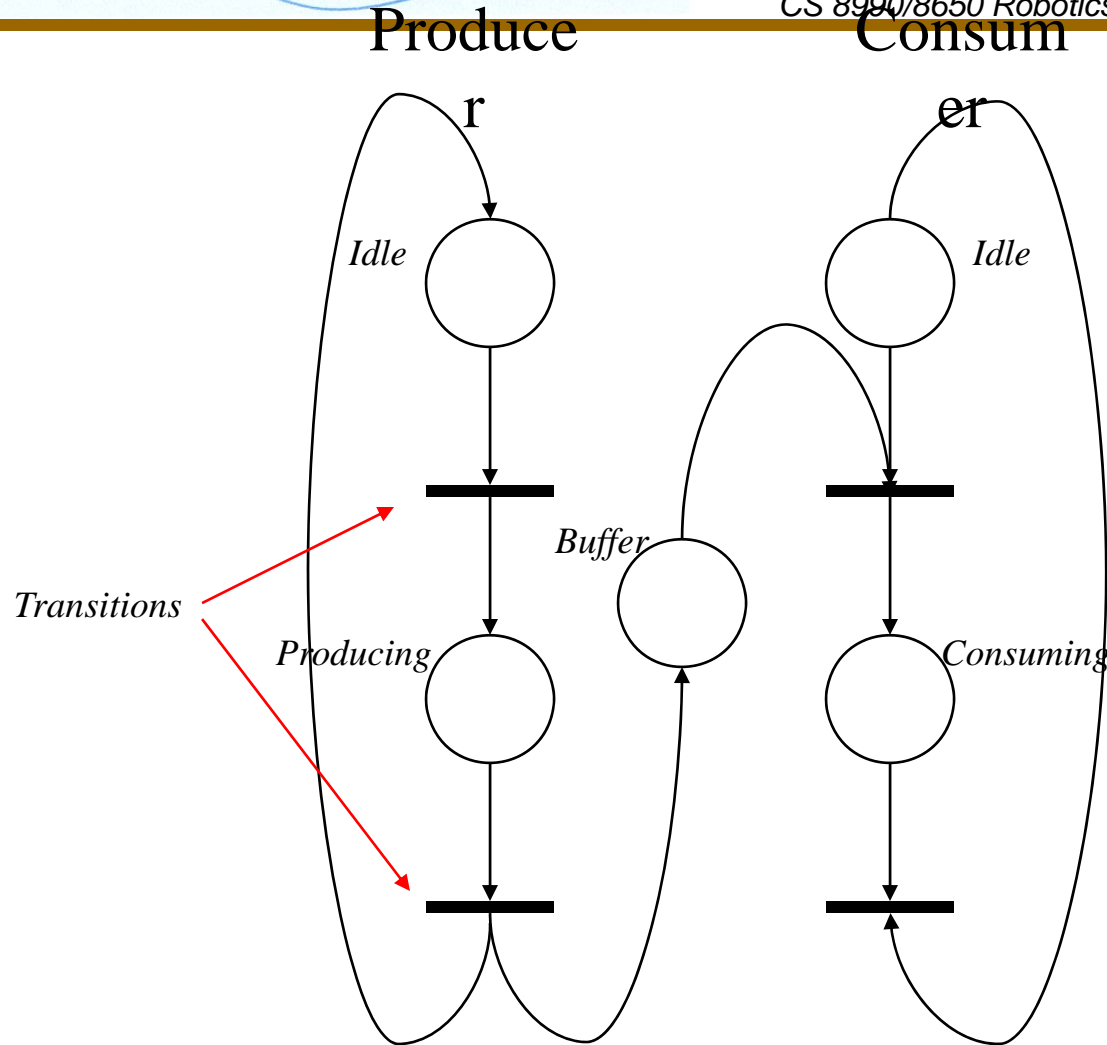


Figure 12.3 Producer-Consumer Petri Net

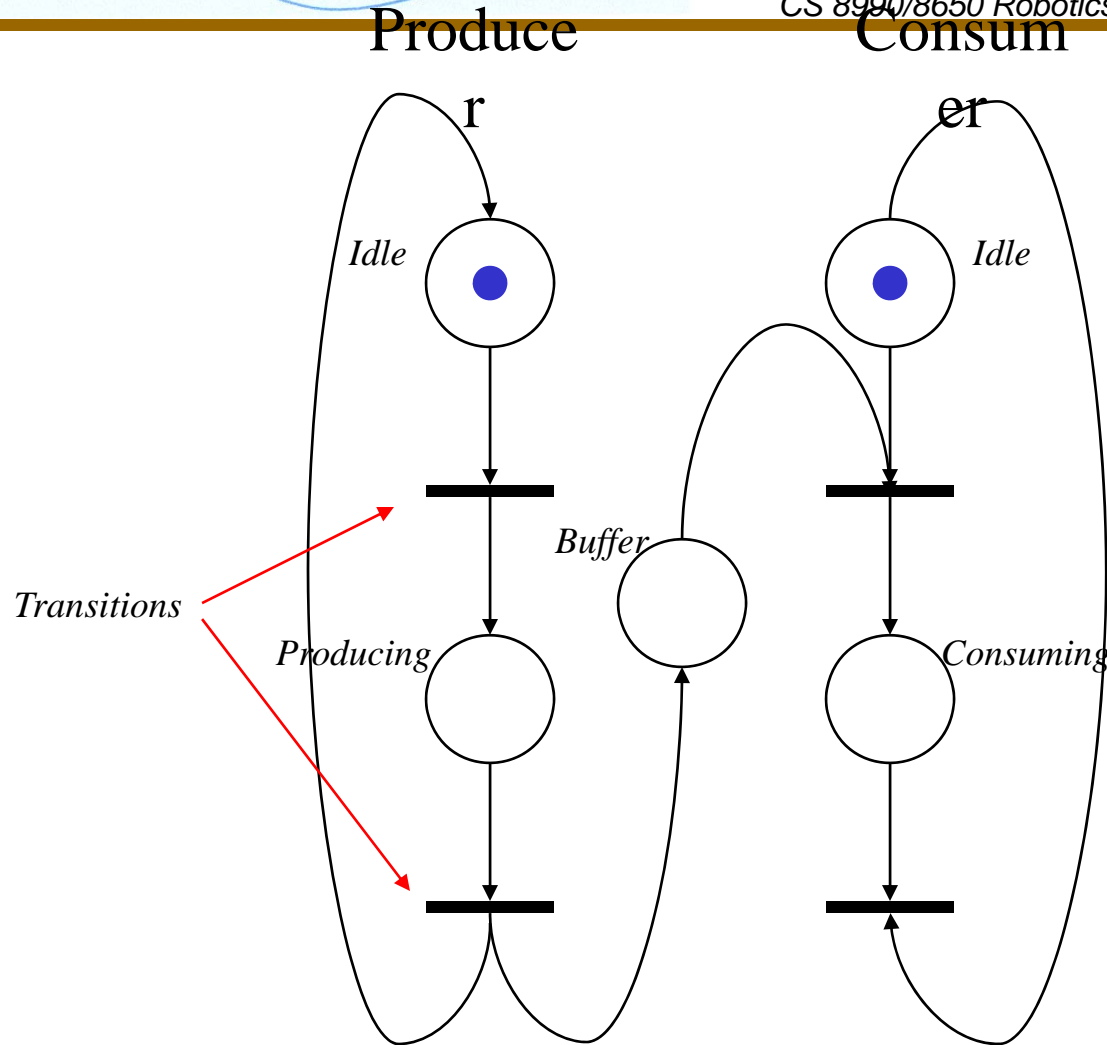


Figure 12.4 Initial State

Produce

Consumer

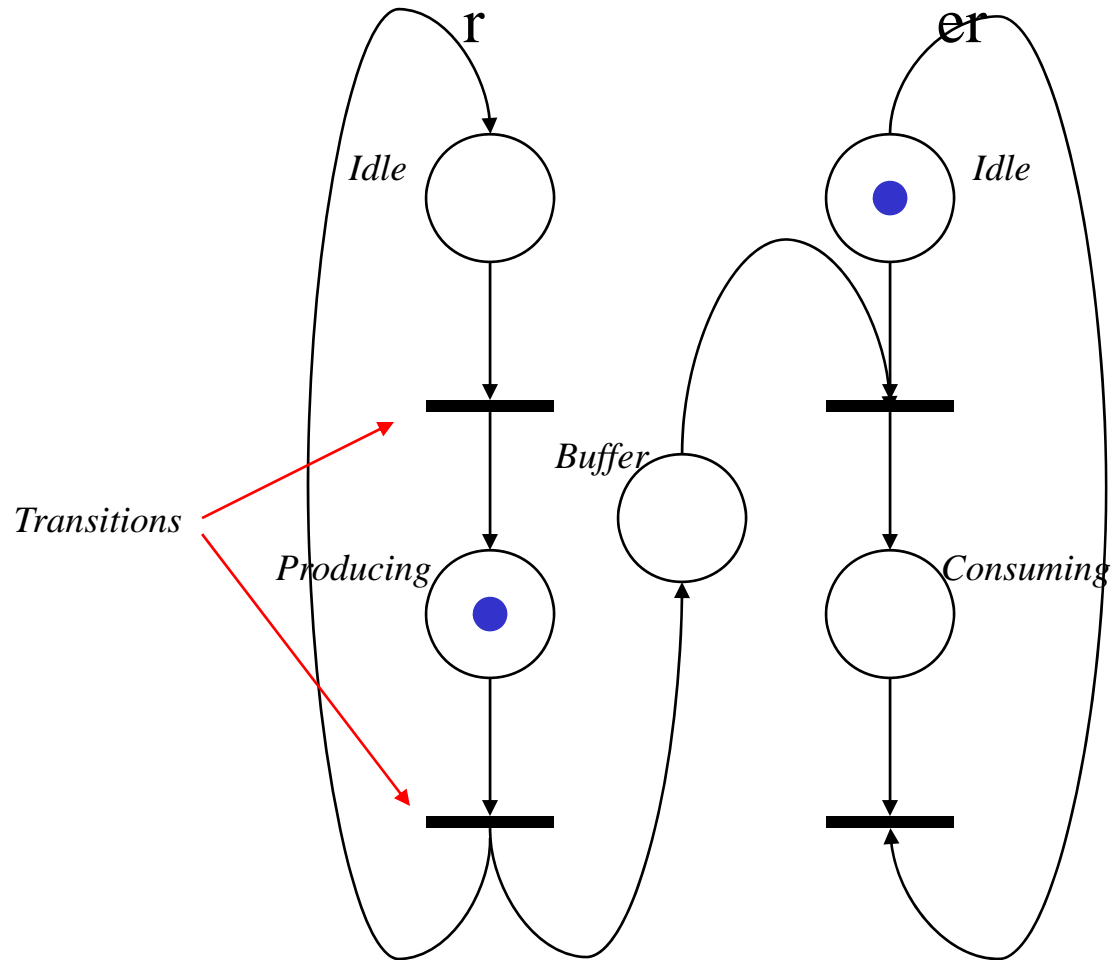


Figure 12.5 Production

Produce

Consumer

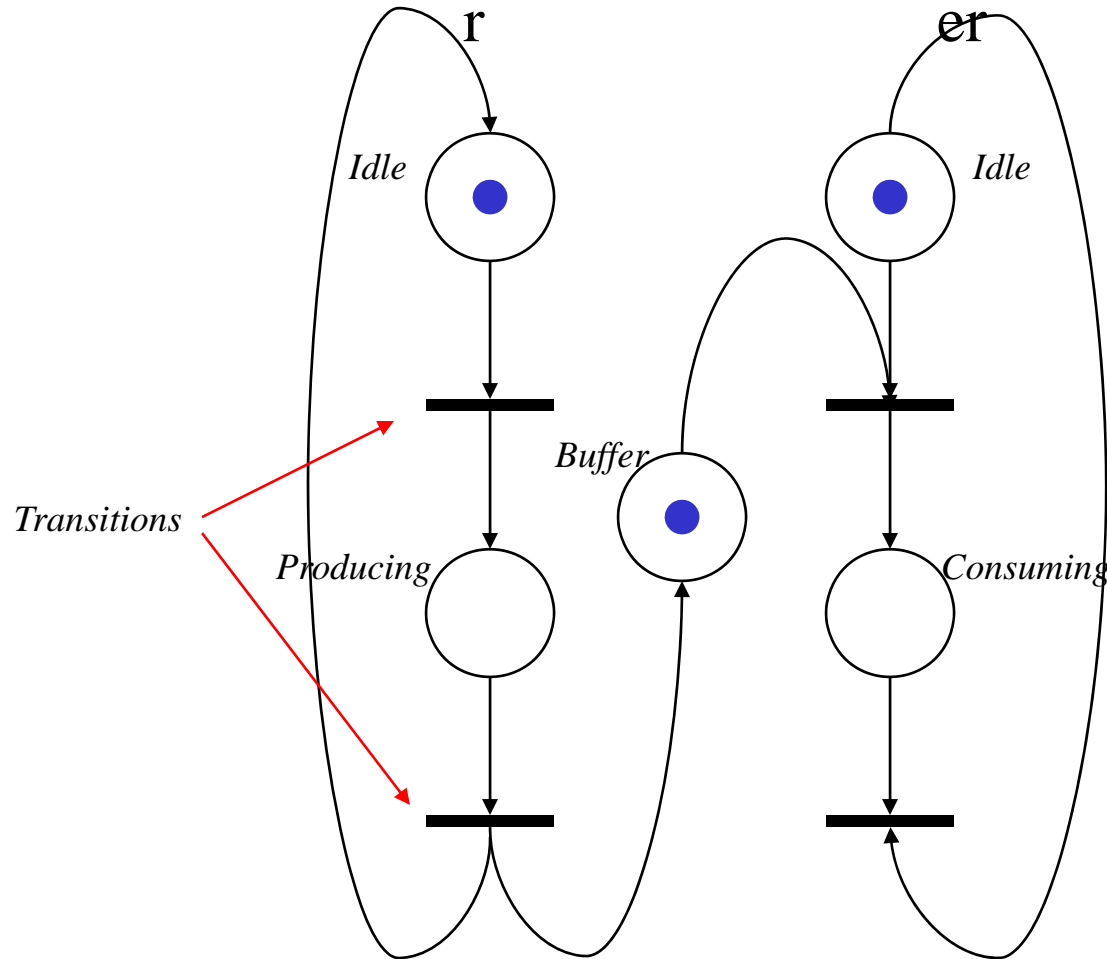


Figure 12.6 Production Complete

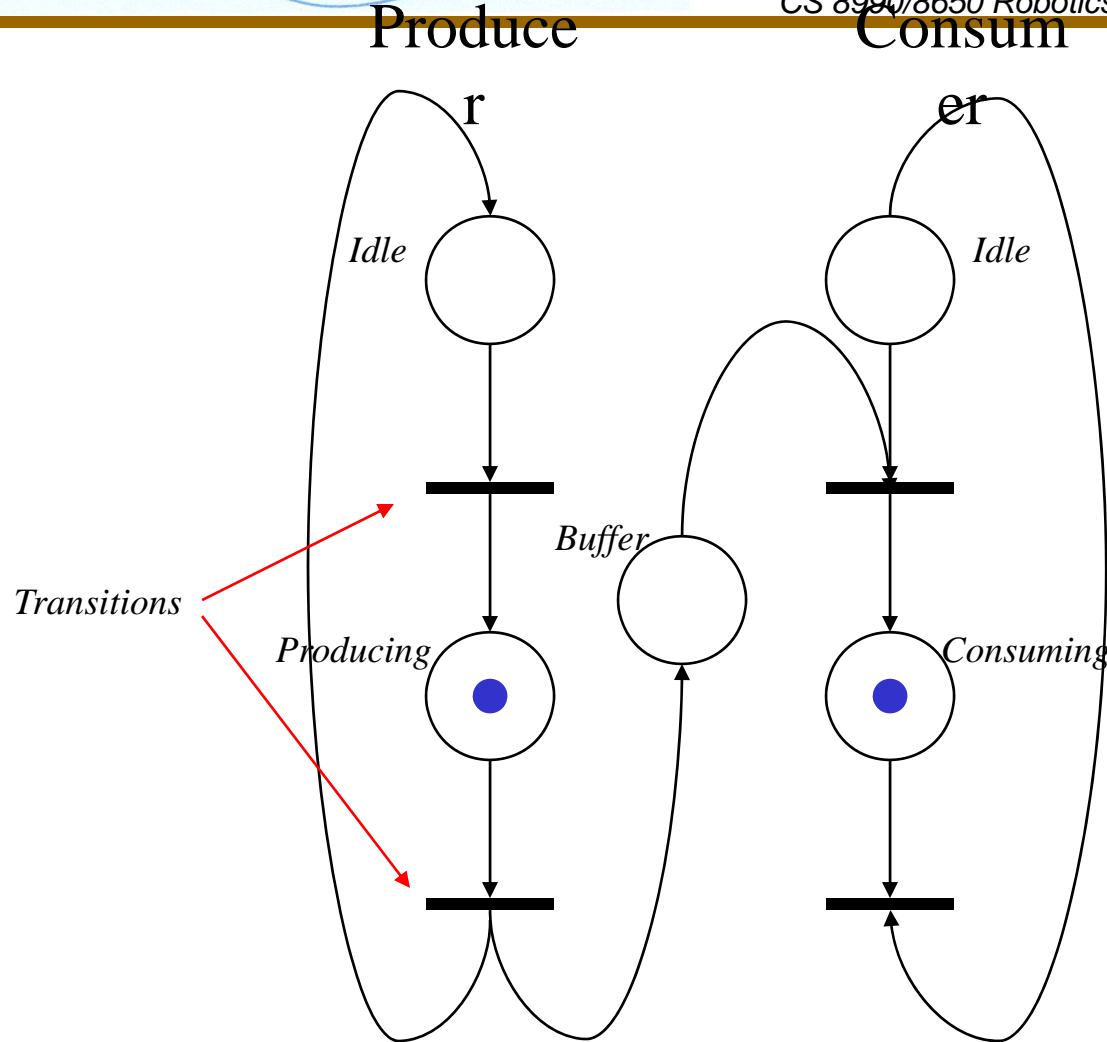


Figure 12.7 Consumption and Production

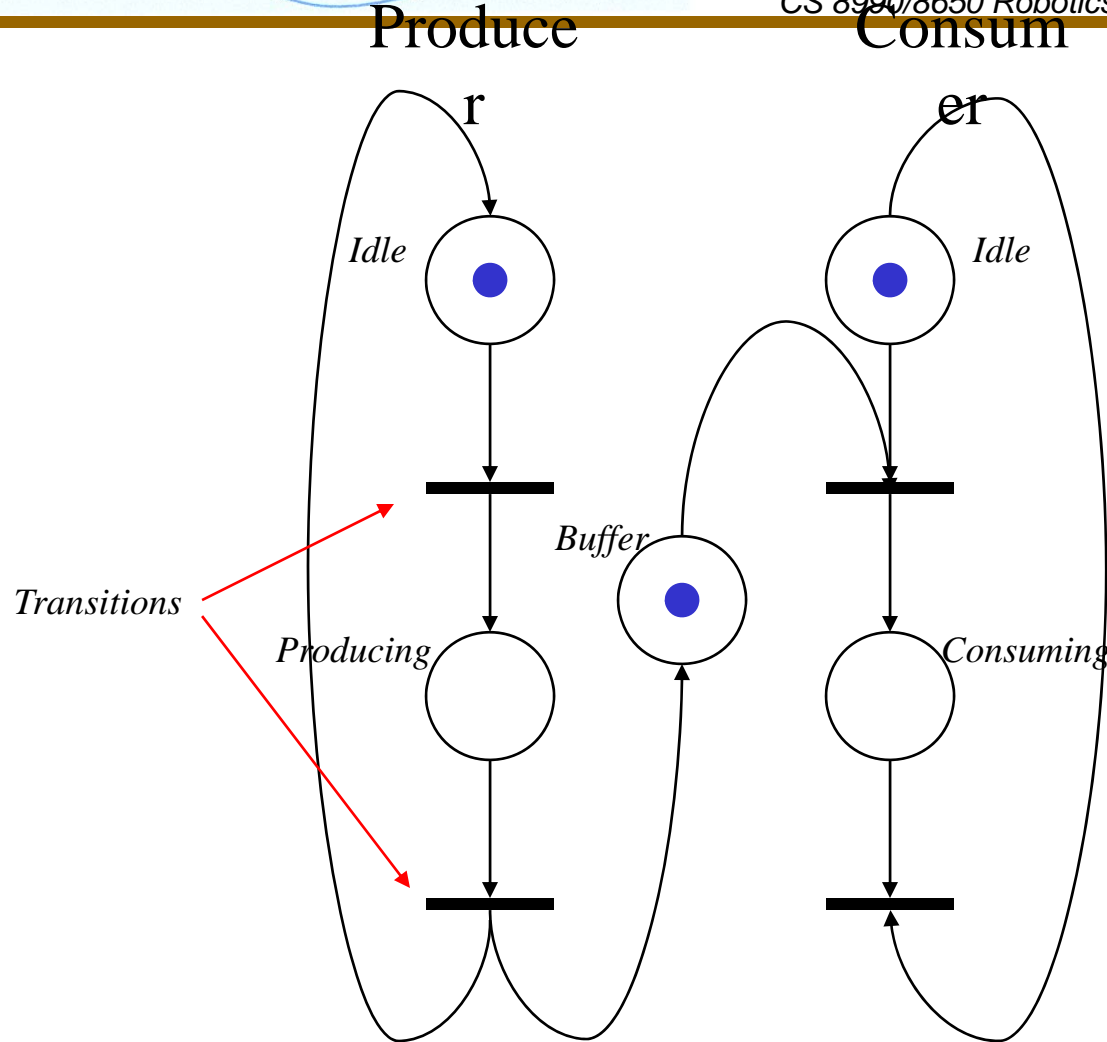


Figure 12.8 Ready for Another Cycle

Break Down Robot Control

**End
Of
Today's
Lecture.**

