# CSE 591: Theoretical Aspects of CPS

## Exact System Relationships
## Reference Textbook Ch's 4.1 & 4.2

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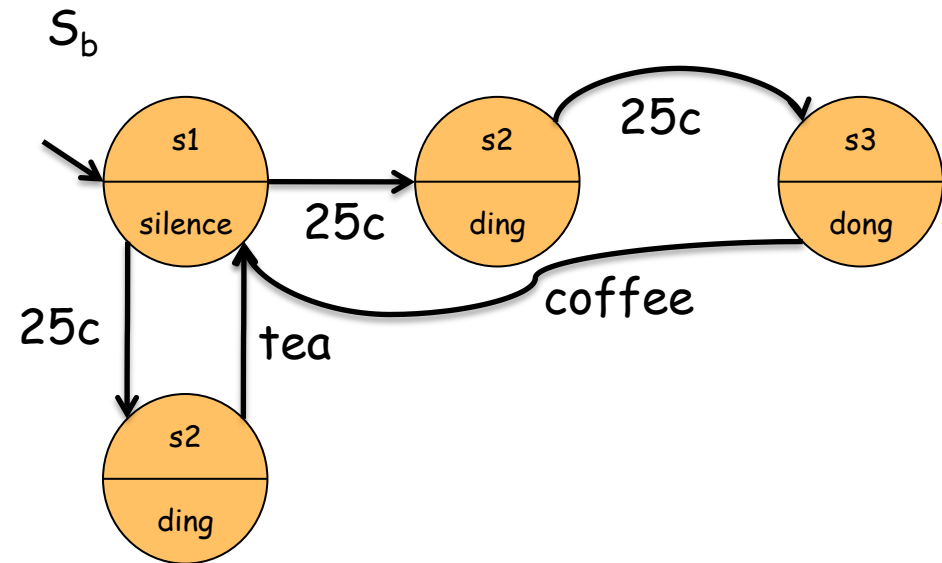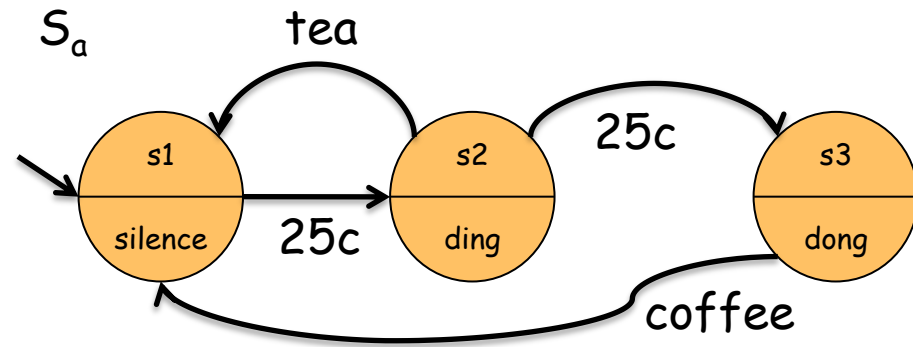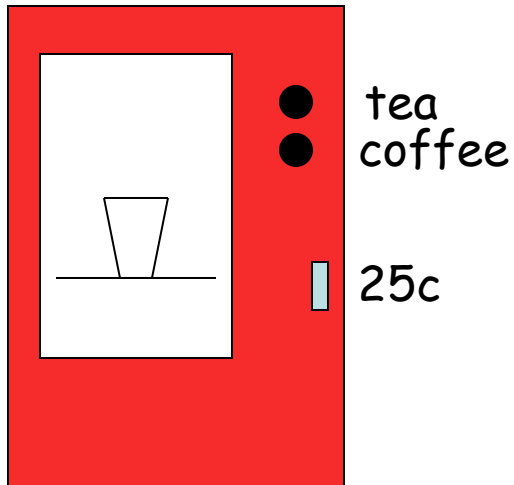✉ fainekos at asu edu

💻 http://www.public.asu.edu/~gfaineko

# In the previous class

- Examples of finite state & infinite state systems
- System composition examples
- The verification problem
- The control problem

# In this class

- Behavioral relationships
- Similarity relationships

# Vending Machine Example

# Example 4.15

$$R = \{(s_0,q_0), (s_1,q_0), (s_2,q_1), (s_3,q_2)\}$$