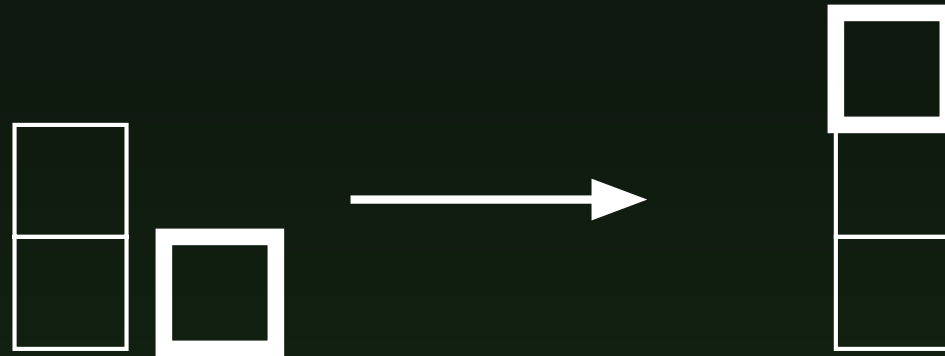


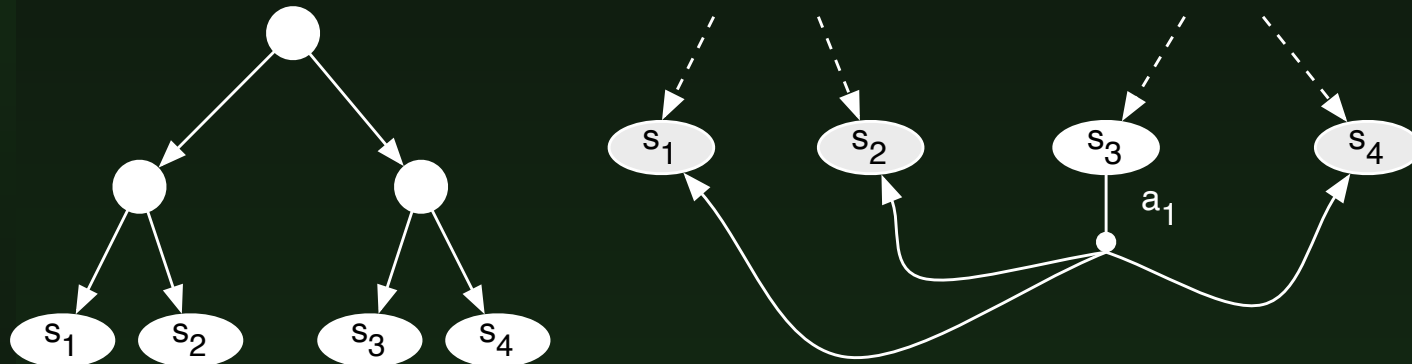
# Decision Tree Methods for Finding Reusable MDP Homomorphisms



- Model minimization: Abstract model that preserves properties of the original
- Two goals in this work:
  - find reusable abstractions
  - find the abstraction quickly from data

# Finding the Model from Data

- True state/action space may be too large to model
- Find abstract model directly



- Iterative Decision Tree algorithm
- Leaves are states