



# ASQ CRE Prep course

Lesson IV. A. 4. a.

Simulation Techniques

Markov Models

Consider the state

# PROBABILISTIC RISK ASSESSMENT



# Markov analysis deals with state of equipment or system

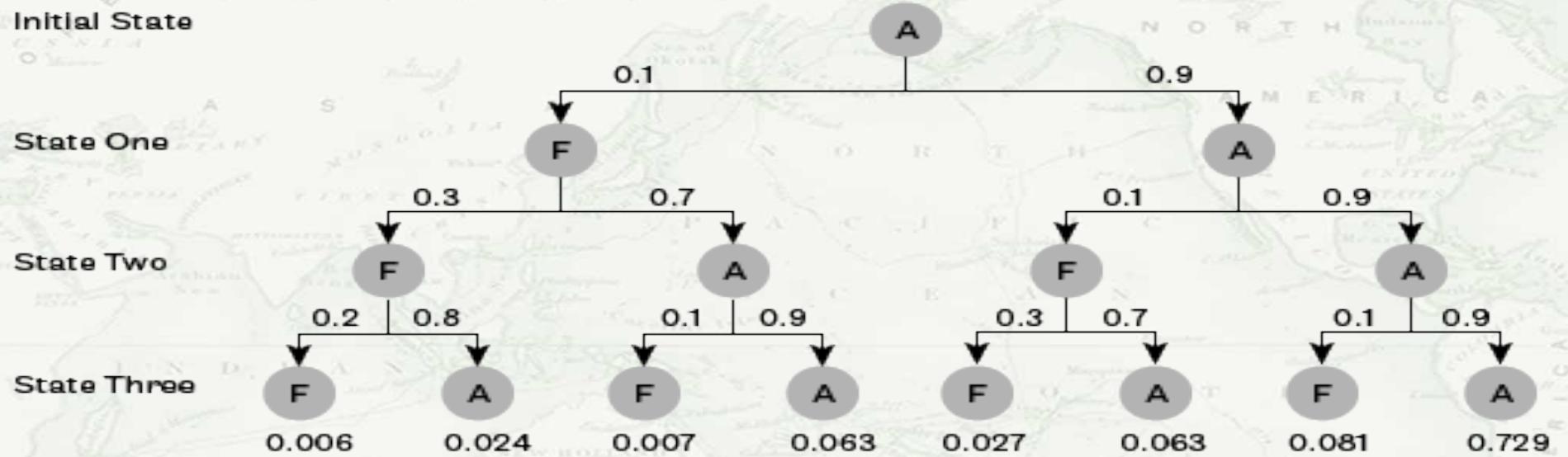


# Assumptions

## Transition probabilities

- Constant over time
- Homogeneous
- Calculates steady state behavior

# An example



How is the value  
of life  
determined?



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Lesson IV. A. 4. b.

Simulation Techniques

Monte Carlo