



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

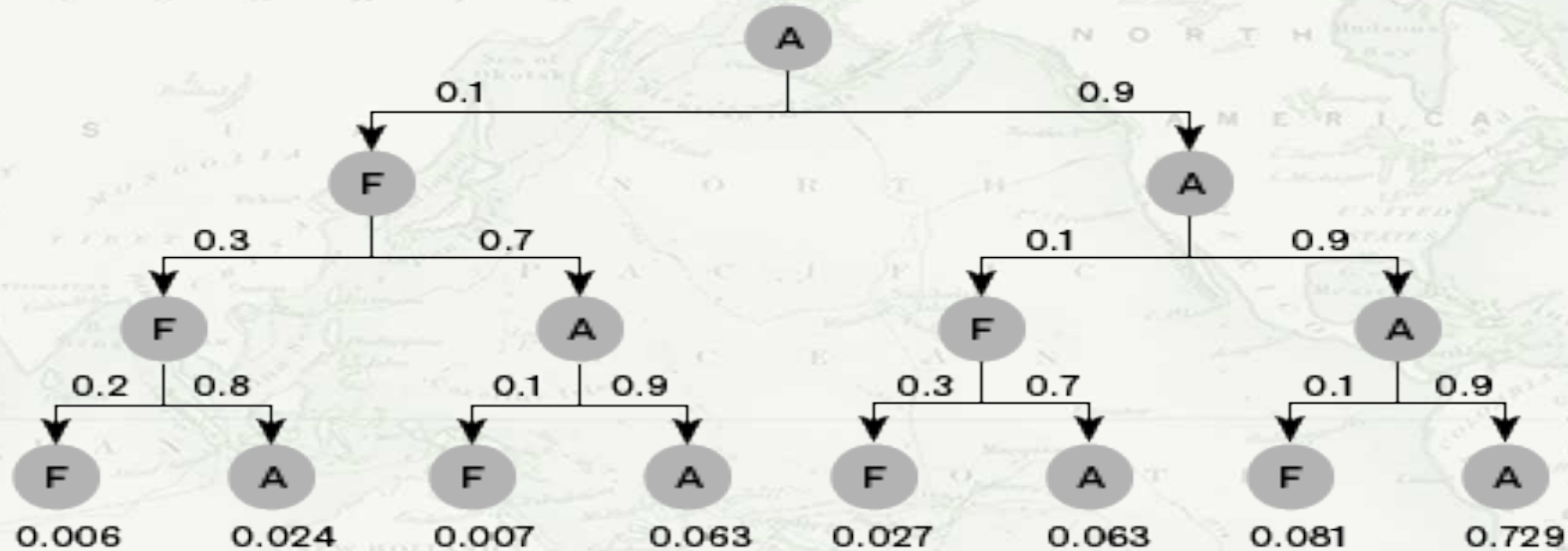
An example

Initial State

State One

State Two

State Three



How is the value
of life
determined?



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Lesson IV. A. 4. b.

Simulation Techniques

Monte Carlo