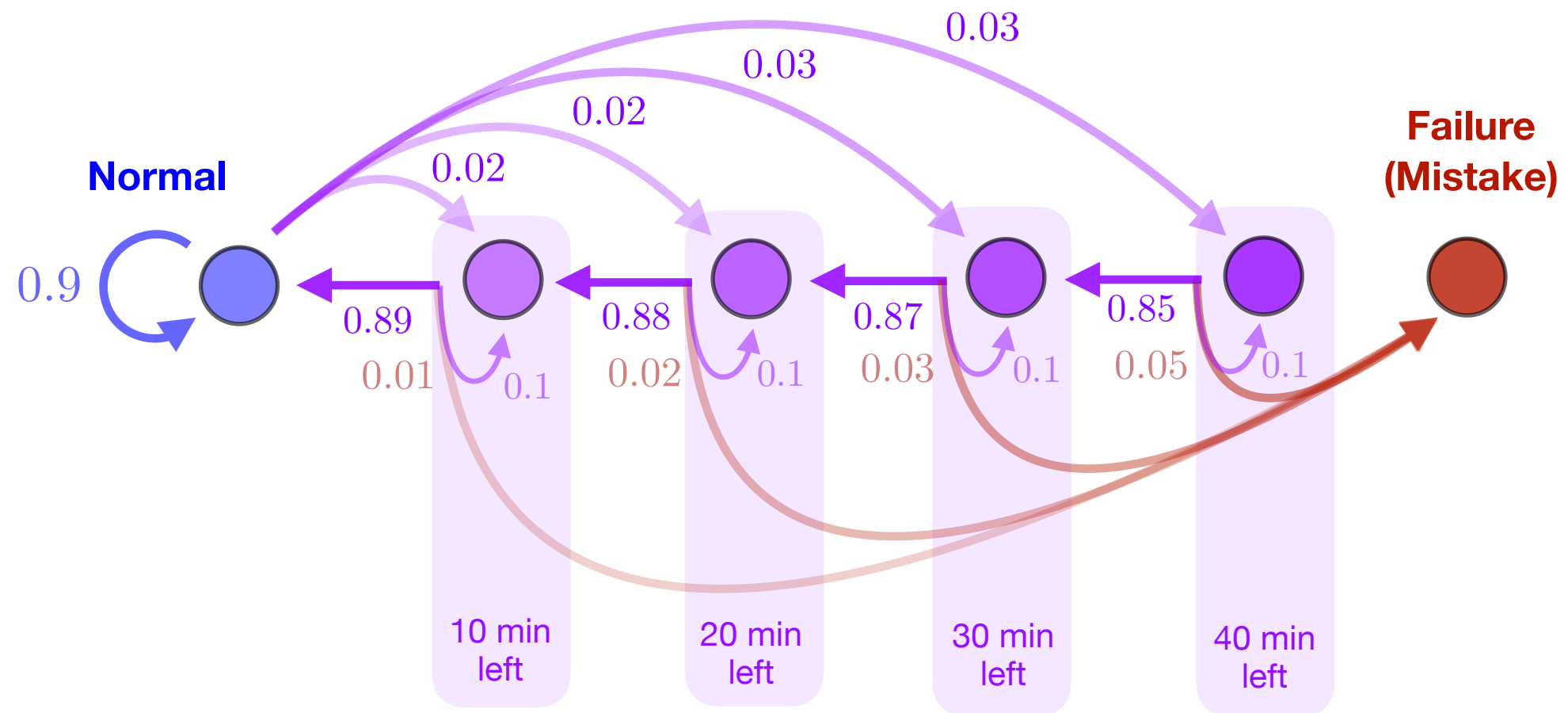


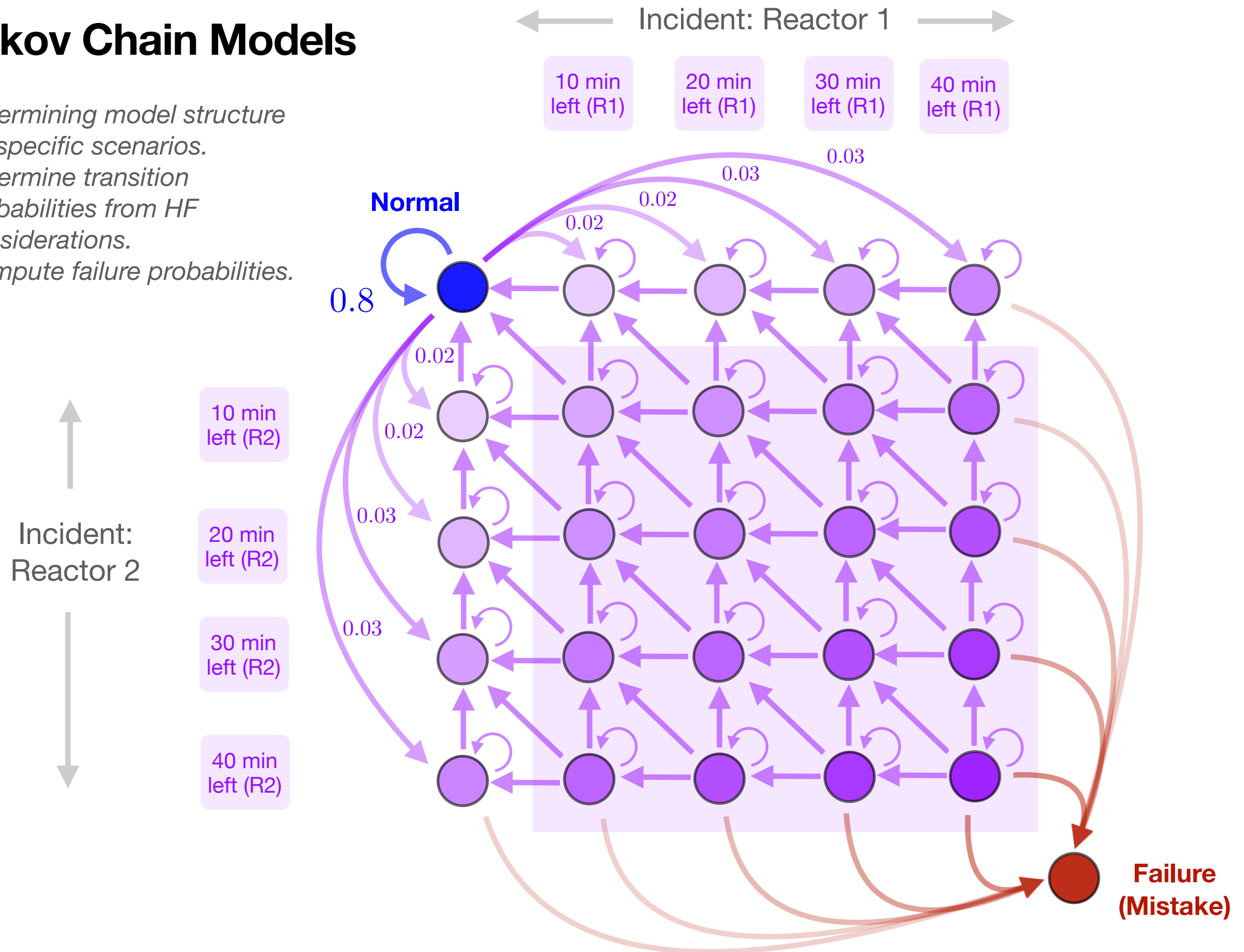
# Markov Chain Models

1. *Determining model structure for specific scenarios.*
2. *Determine transition probabilities from HF considerations.*
3. *Compute failure probabilities.*



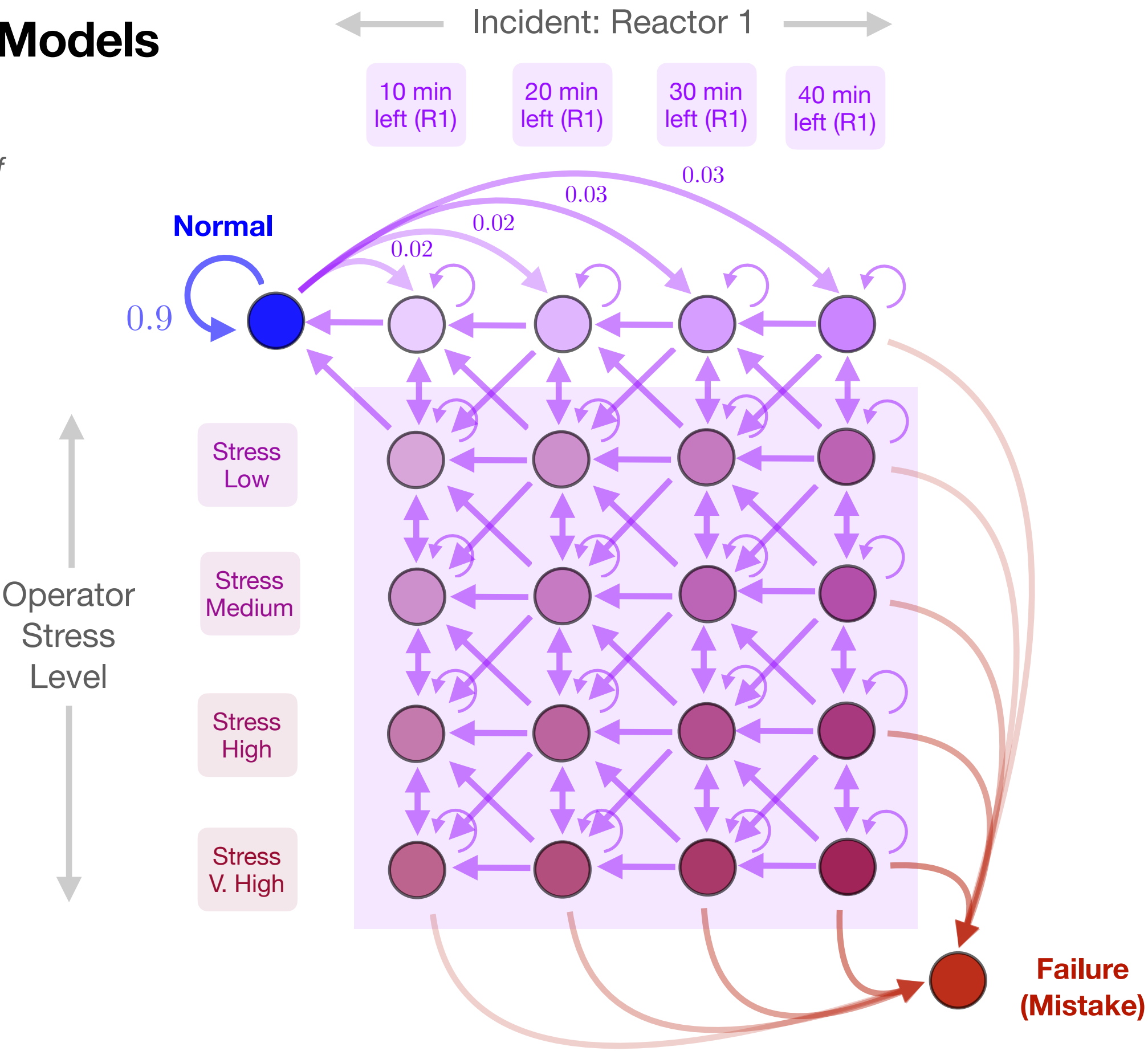
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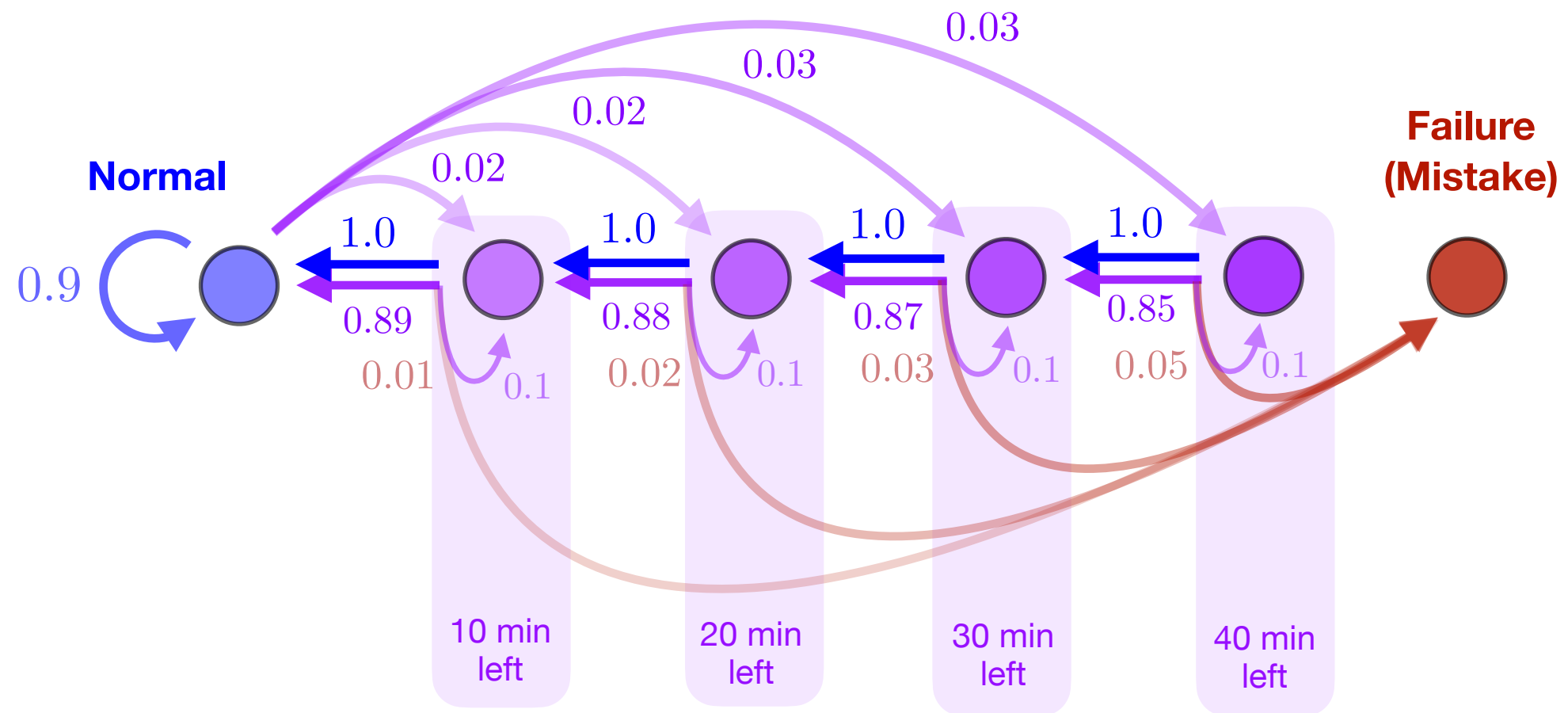
# Markov Chain Models

4. Modeling different HF components as part of the state space.



# Markov Decision Process (MDP) Models

5. Modeling human decision making as a policy in an MDP
6. Compute optimal policy (over time) to keep failure risk below some threshold



# Markov Decision Process Models

- 5. Modeling human decision making as an policy in an MDP
- 6. Compute optimal policy (over time) to keep failure risk below some threshold

