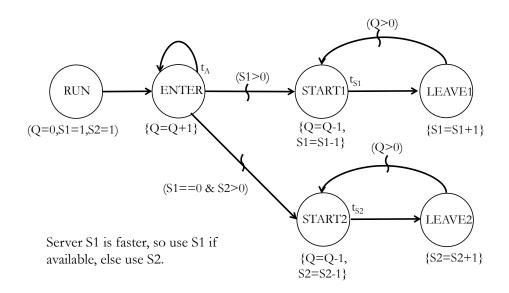
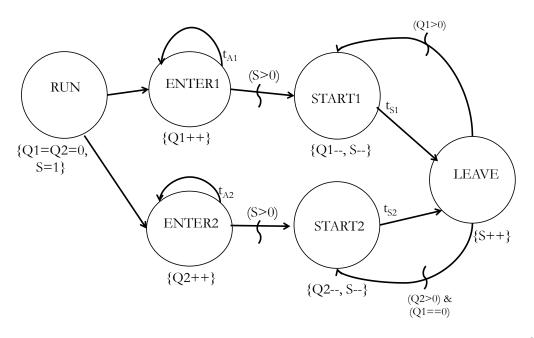
Enhanced Event Relationship Graph Model Examples

dsingham OA3302

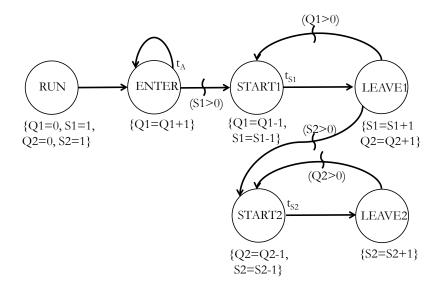
Resource Priority



Non-Preemptive Priority queue (1=High, 2=Low)



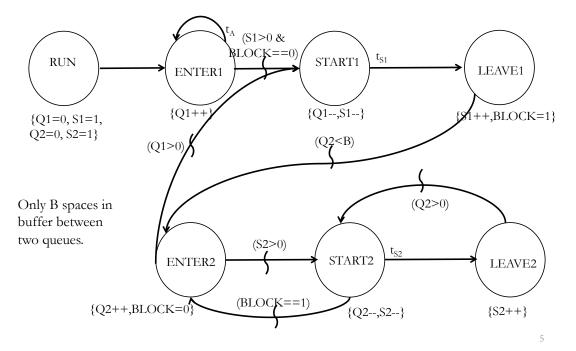
Tandem Queue System



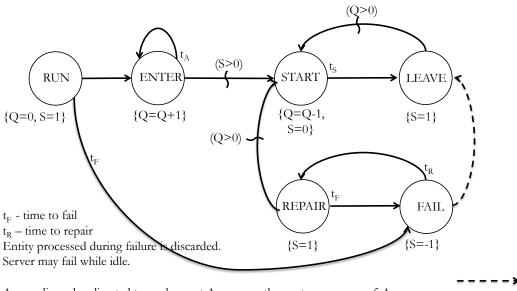
3

4

Tandem line (with blocking)



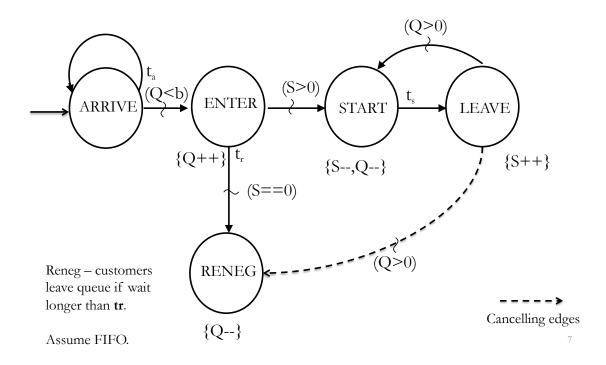
Failure model



A canceling edge directed towards event A removes the next occurrence of A from the event list. If there is no A on the event list, nothing happens.

Cancelling edges

Reneging and Balking



Booleans for State Changes

- Customers enter in groups of random size
 - C \sim discrete distribution RND \sim U(0,1)



- What is the distribution of
 - C=(R>0.4)+(R>0.8) when R=RND? (fix R)
 - C=(RND>0.4)+(RND>0.8)?