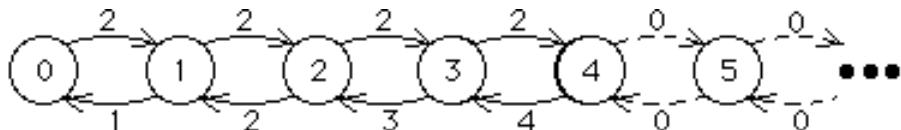


# Birth/Death Queueing Models

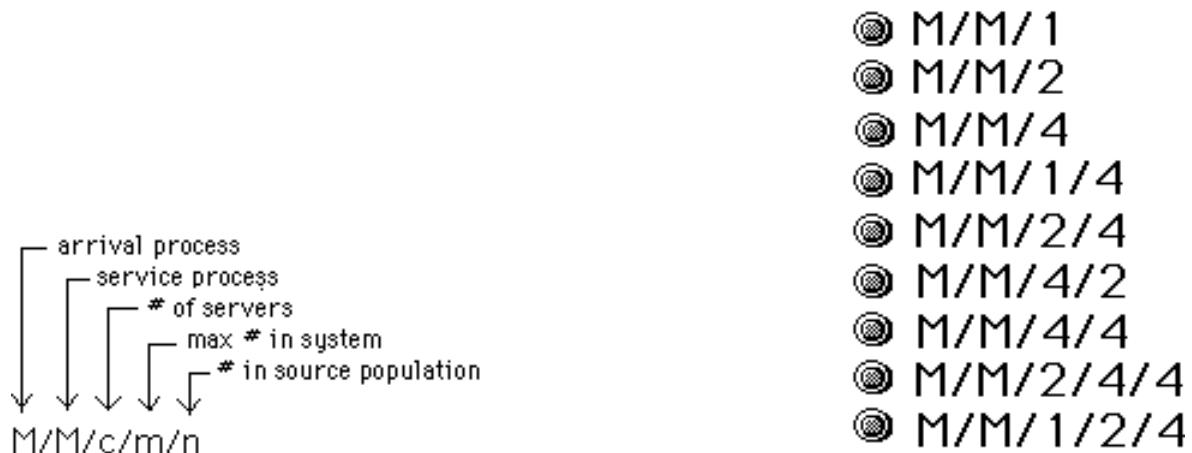
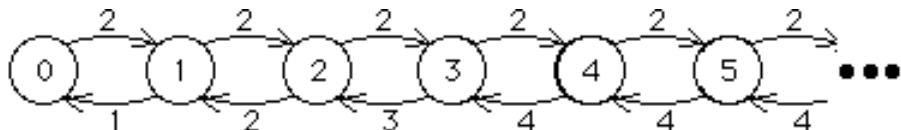
*Match the Birth/Death  
model to the queue  
classification!*

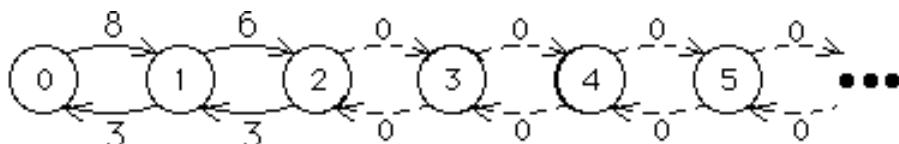




↓      arrival process  
 ↓      service process  
 ↓      # of servers  
 ↓      max # in system  
 ↓      # in source population  
 $M/M/c/m/n$

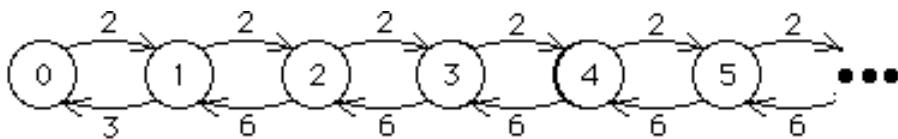
- Ⓐ M/M/1
- Ⓑ M/M/2
- Ⓒ M/M/4
- Ⓓ M/M/1/4
- Ⓔ M/M/2/4
- Ⓕ M/M/4/2
- Ⓖ M/M/4/4
- Ⓗ M/M/2/4/4
- Ⓘ M/M/1/2/4





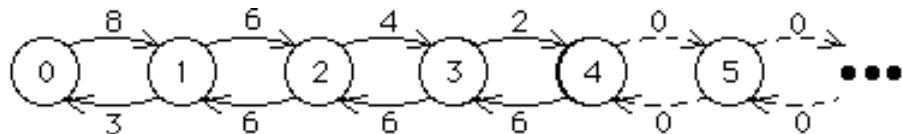
↓      arrival process  
 ↓      service process  
 ↓      # of servers  
 ↓      max # in system  
 ↓      # in source population  
 $M/M/c/m/n$

- Ⓐ M/M/1
- Ⓑ M/M/2
- Ⓒ M/M/4
- Ⓓ M/M/1/4
- Ⓔ M/M/2/4
- Ⓕ M/M/4/2
- Ⓖ M/M/4/4
- Ⓗ M/M/2/4/4
- Ⓘ M/M/1/2/4



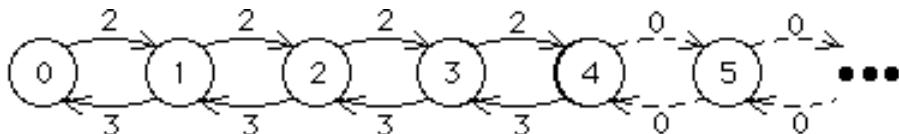
↓      arrival process  
 ↓      service process  
 ↓      # of servers  
 ↓      max # in system  
 ↓      # in source population  
 $M/M/c/m/n$

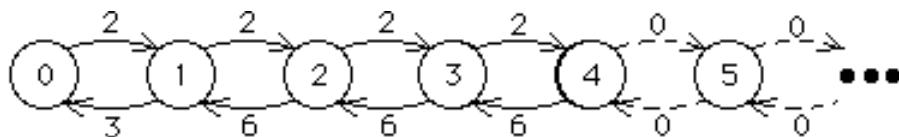
- Ⓐ M/M/1
- Ⓑ M/M/2
- Ⓒ M/M/4
- Ⓓ M/M/1/4
- Ⓔ M/M/2/4
- Ⓕ M/M/4/2
- Ⓖ M/M/4/4
- Ⓗ M/M/2/4/4
- Ⓘ M/M/1/2/4



↓      arrival process  
 ↓      service process  
 ↓      # of servers  
 ↓      max # in system  
 ↓      # in source population  
 $M/M/c/m/n$

- Ⓐ M/M/1
- Ⓑ M/M/2
- Ⓒ M/M/4
- Ⓓ M/M/1/4
- Ⓔ M/M/2/4
- Ⓕ M/M/4/2
- Ⓖ M/M/4/4
- Ⓗ M/M/2/4/4
- Ⓘ M/M/1/2/4





↓      arrival process  
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 $M/M/c/m/n$

- Ⓐ M/M/1
- Ⓑ M/M/2
- Ⓒ M/M/4
- Ⓓ M/M/1/4
- Ⓔ M/M/2/4
- Ⓕ M/M/4/2
- Ⓖ M/M/4/4
- Ⓗ M/M/2/4/4
- Ⓘ M/M/1/2/4