Notation for Queueing Models (Kendall)
A/B/n/p/k

- **A** refers to the **arrival process**.  
  **Assumption**: IID interarrival times.  
  Interarrival time distribution:  
  - M = exponential (memoryless)  
  - D = deterministic  
  - G = general

- **B** refers to **service times**.  
  **Assumption**: IID service times.  
  Service time distribution:  
  - M = exponential (memoryless)  
  - D = deterministic  
  - G = general

- **n** = nr of (parallel) servers

- **p** = nr of system places  
  = nr of servers + waiting places

- **k** = size of customer population

- Default values (usually omitted):  
  - \( p = \infty, \ k = \infty \)

- **Examples**:  
  - M/M/1  
  - M/D/1  
  - M/G/1  
  - G/G/1  
  - M/M/n  
  - M/M/n/n+m  
  - M/M/\infty (Poisson model)  
  - M/M/n/n (Erlang model)  
  - M/M/k/k/k (Binomial model)  
  - M/M/n/n/k (Engset model, \( n < k \))

IID = independently and identically distributed