1. Arrival:
   1. 10min registration period
   2. 10 slots per min
   3. 60% full, in other words, binomial distribution with n = 10 and p = 0.6
   4. Uniform distribution between [-10 10] min of scheduled time.
   5. Assume infinite queue capacity after arrival (can always wait outside the arena)
   6. Queue capacity = 30
2. TSA, temp check, and paperwork
   1. Finish while waiting in queue for registration
   2. Time spent is negative exponential with mean rate of 1 per 3 minutes
   3. Capacity of the arena is considered - cannot start paperwork if queue for registration if filler.
3. Registration
   1. 4 stations, 2 min per registration unless there is a problem: registration time = 5min for P=0.1, registration time = 2 min for P = 0.9
   2. Cannot start registration when registration server is full, or when queue waiting for vaccine is full (5 people)
4. Vaccination Process
   1. 5 stations, negative exponential with mean rate of 1 per minute. (2 min max, chance of >2min = 0.135)
   2. vaccination capacity = 5
   3. cannot begin vaccination if observation area is full (60 people)
5. Observation
   1. 15 min for all
   2. capacity = 60
6. Simulation Setup
   1. staff works 5 hours daily, 10am – 3pm
   2. staff will stay until all scheduled vaccination is completed.
   3. All time stamp rounded to the nearest minute, i.e. Δt = 1min.