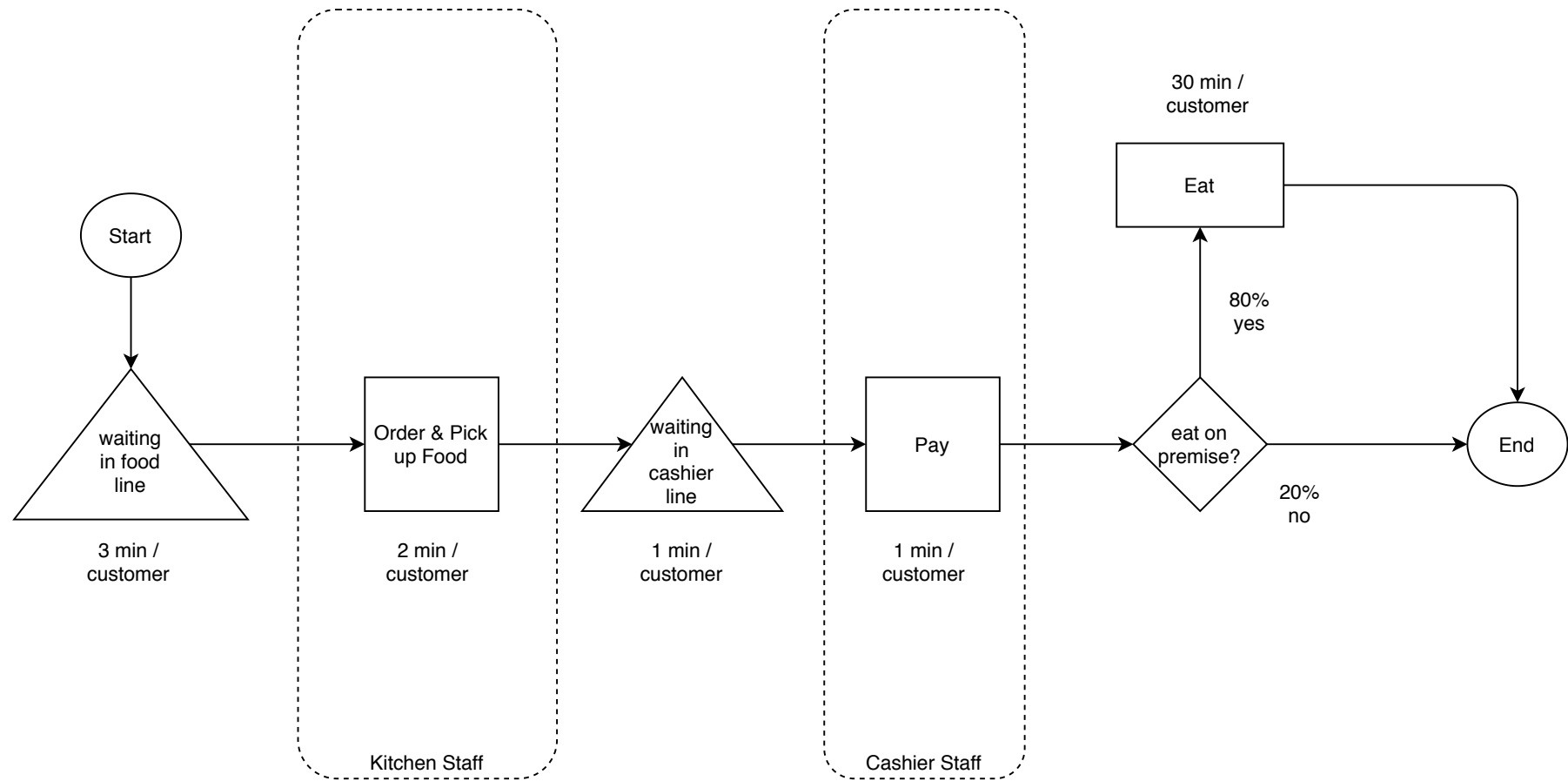


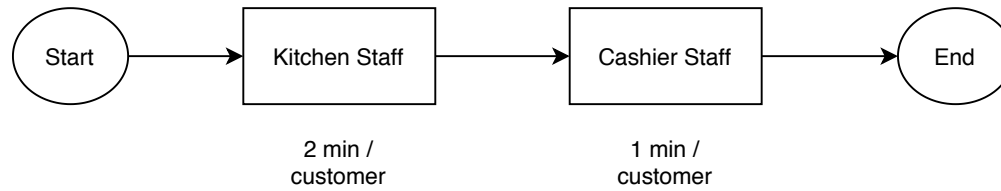
Canteen Model



- Throughput Time
 - without eating: 7 min
 - with eating: 37 min
 - weighted average: 31 min

Simplified Canteen Modell

2 opening hours / day
50 customers / day



- cycle time: 2 min
- capacity utilization of kitchen staff: 0.833
- capacity utilization of cashier staff: 0.416

Little's Law:

- average time eating: 30 min
- average arrival time: 50 customers / 2h = 0.41 customer / min
- number of seats required: 30 min * 0.41 customer / min = 12.5 customers