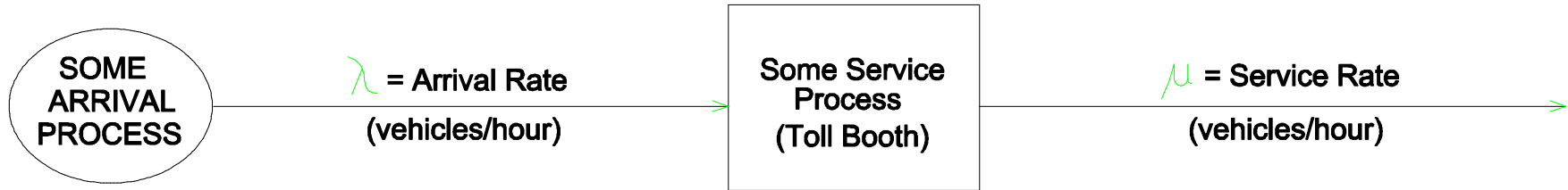
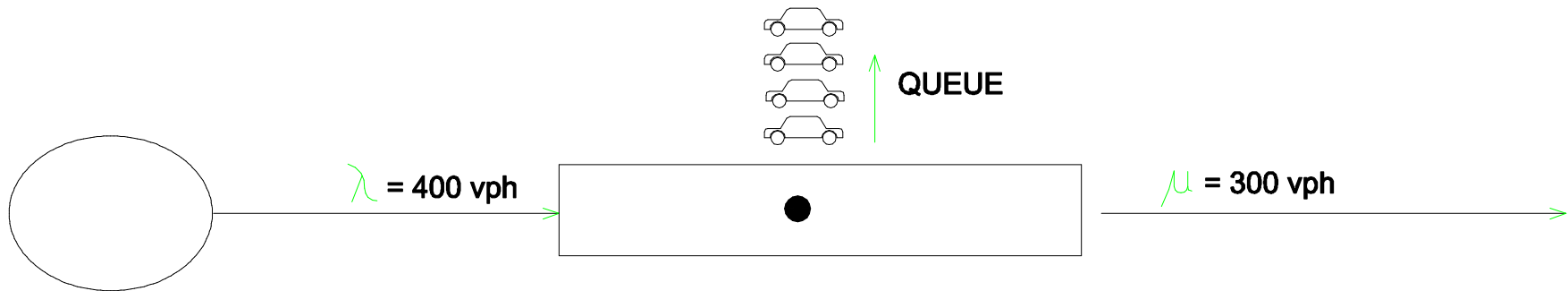


ARRIVALS

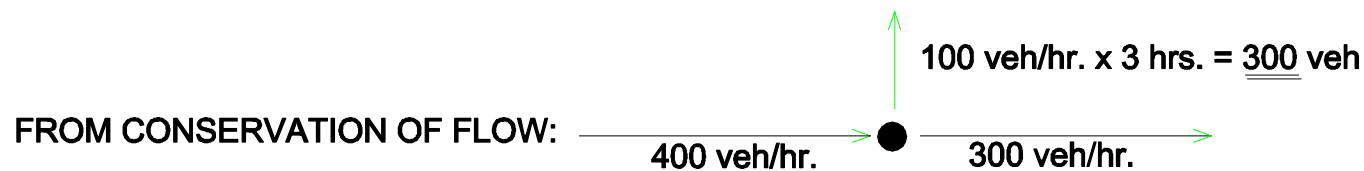
DEPARTURES



CASE I: IF $\lambda > \mu$, A QUEUE WILL FORM.



● **HOW LONG WILL THIS QUEUE BE IN 3 HOURS?**



THIS IS TRUE WHETHER OR NOT THE ARRIVAL AND SERVICE PROCESSES ARE DETERMINISTIC (CONSTANT), OR RANDOM, OR WHATEVER.