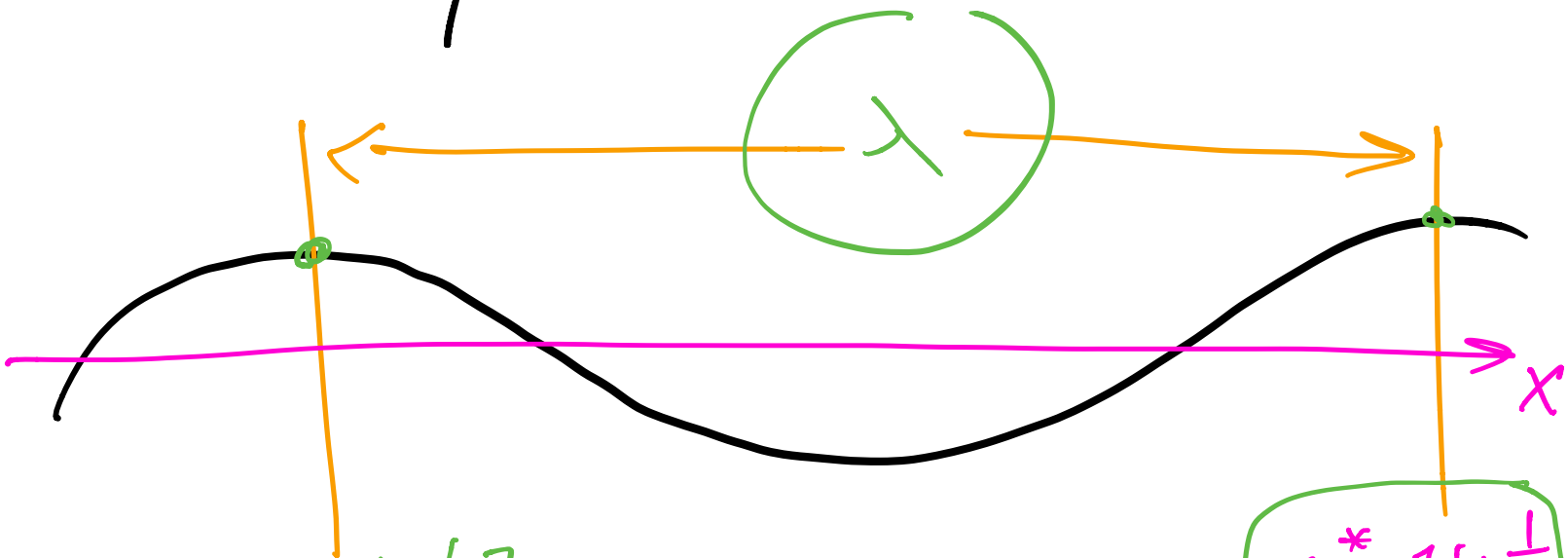


"Bumps" :



car speed $[m/s]$ = $\lambda \times \omega^* = \lambda \cdot \frac{\omega_f}{2\pi}$

$\omega^* = \omega_f \cdot \frac{1}{2\pi}$

$\frac{m}{cycle} \times \frac{cycle}{s}$