



$$\frac{dN_a}{dt} = -\lambda_{ab}N_a + \lambda_{ba}N_b$$

$$\frac{dN_b}{dt} = -\lambda_{ba}N_b - \lambda_{bc}N_b + \lambda_{ab}N_a$$

$$\frac{dN_c}{dt} = \lambda_{bc}N_b$$

