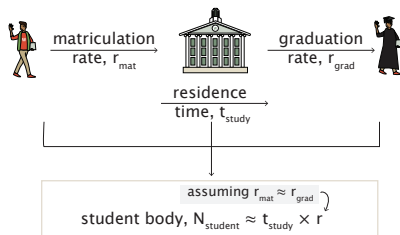


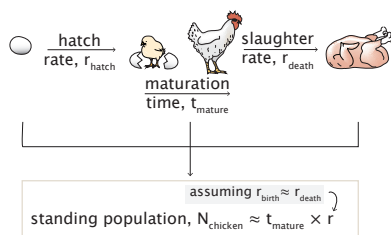
(A)

LITTLE'S THEOREM — CALCULATING POPULATIONS FROM RATES AND LIFETIMES

student body population



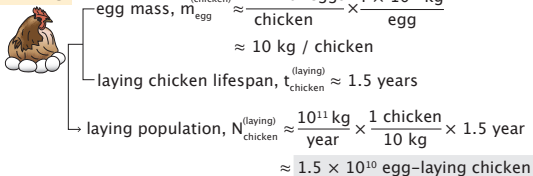
livestock standing population



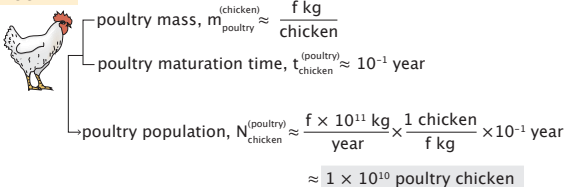
(B)

ESTIMATING STANDING CHICKEN POPULATION

LAYING



POULTRY



(C)

$$\text{total chicken population, } N_{\text{chicken}} \approx N_{\text{chicken}} + N_{\text{chicken}} \approx f \times 10^{10}$$

data source: Food and Agricultural Organization (FAO) of the UN

