

$$\frac{dD_{\text{BLOOD}}}{dt} = \frac{mT}{q+T} - M_B D_{\text{BLOOD}}$$

$$\frac{dD_{\text{SPLEEN}}}{dt} = M_{BS} \frac{q_{\text{BLOOD}}}{q_{\text{SPLEEN}}} D_{\text{BLOOD}} - (a_b + b_{\text{SPLEEN}}) D_{\text{SPLEEN}}$$

$$= M_{BSE} E_a^{\text{BLOOD}} - E_a^{\text{SPLEEN}} (U + \dots)$$

... +

