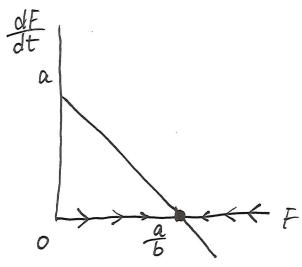
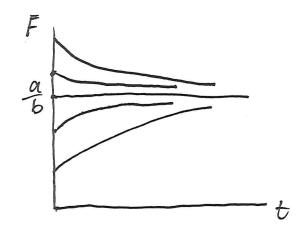
Steady states: $a-bf=0 \implies f=\frac{a}{b}$



 \Rightarrow one stable SS. $f = \frac{a}{b}$ rough sketch of the Sul'n curves.



analytical sol'n: $F = \frac{a}{b} + (F_0 - \frac{a}{b})e^{-bt}$

exponential decay

lim F = 9.

les! agrees with the result of qualitative analysis.

Biological sattan. Switch.

$$\frac{dx}{dt} = \frac{P(x) - D(x)}{l}$$
production decay.

$$P(x) = \frac{x^2}{1 + x^2}$$

$$D(x) = mx$$

