

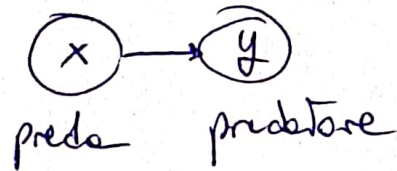
### 3. Modello preda - predatore (Rosenzweig - MacArthur)

$$\dot{x} = rx \left(1 - \frac{x}{k}\right) - a \frac{x}{b+x} y$$

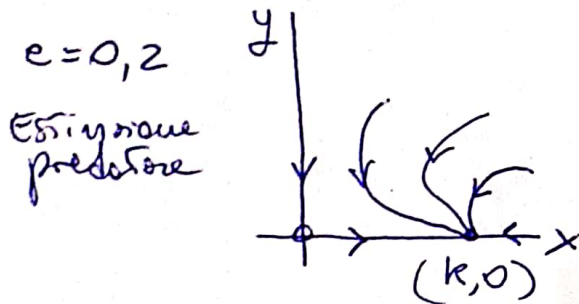
crescita logist.      mortalità per predazione

$$\dot{y} = \frac{e a x}{b+x} y - m y$$

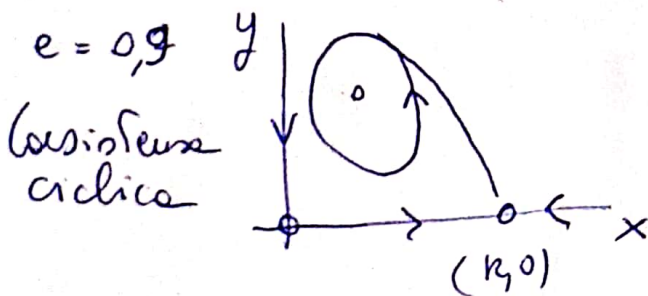
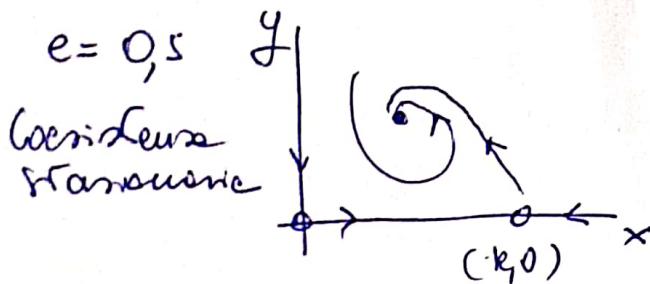
crescita      mortalità naturale



$r=1$     $k=6$     $a=3$     $b=2$     $m=1$



- STABILE
- INSTABILE



file: simulab