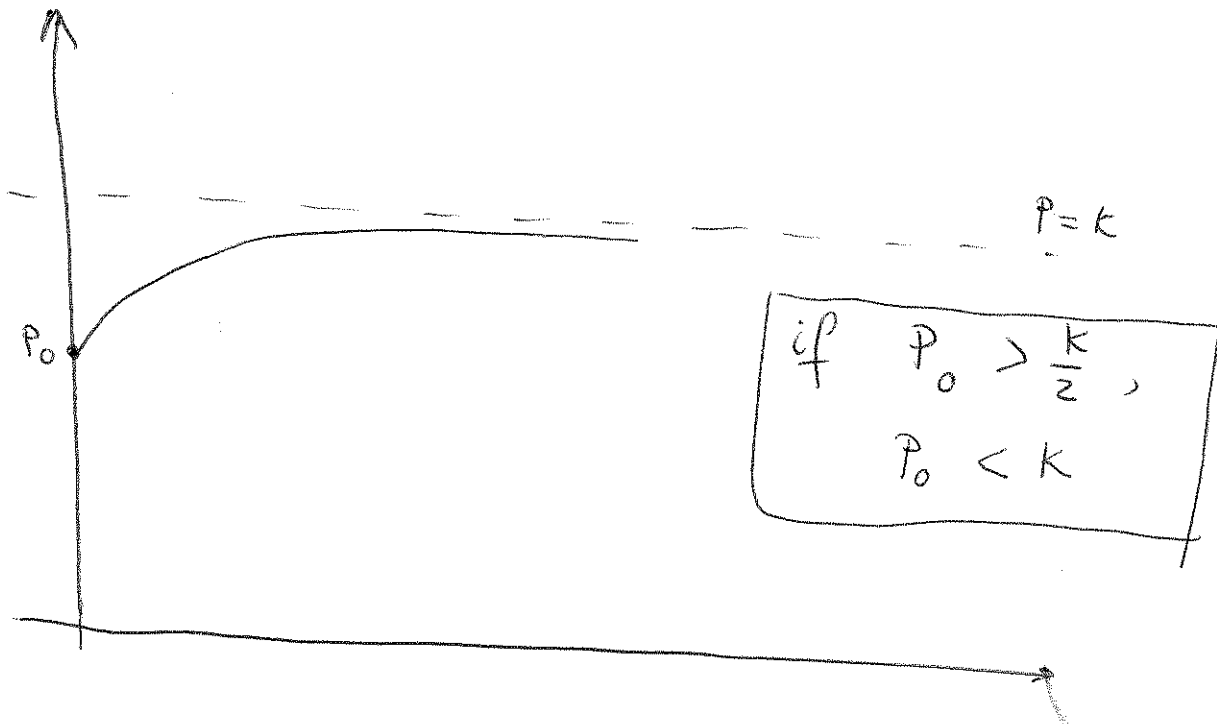
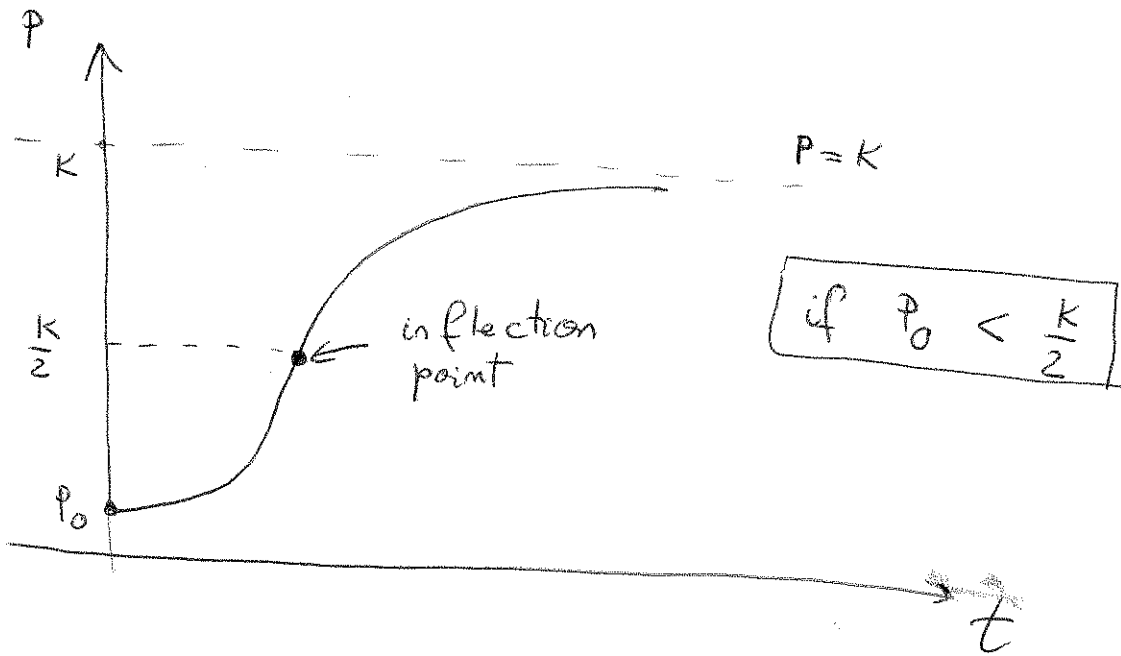
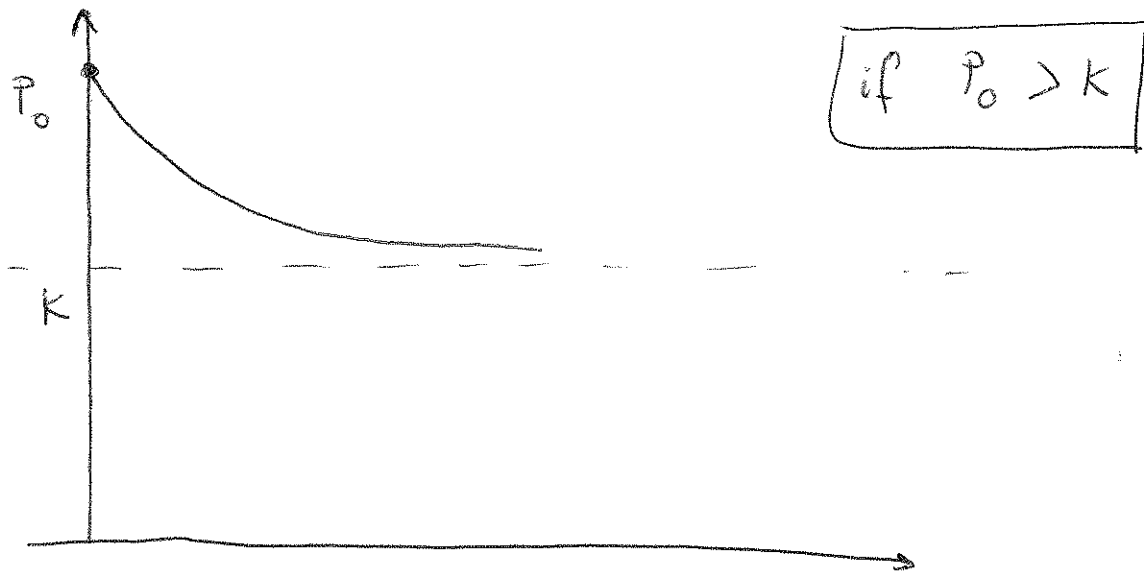


Graphs for the solution of logistic equation

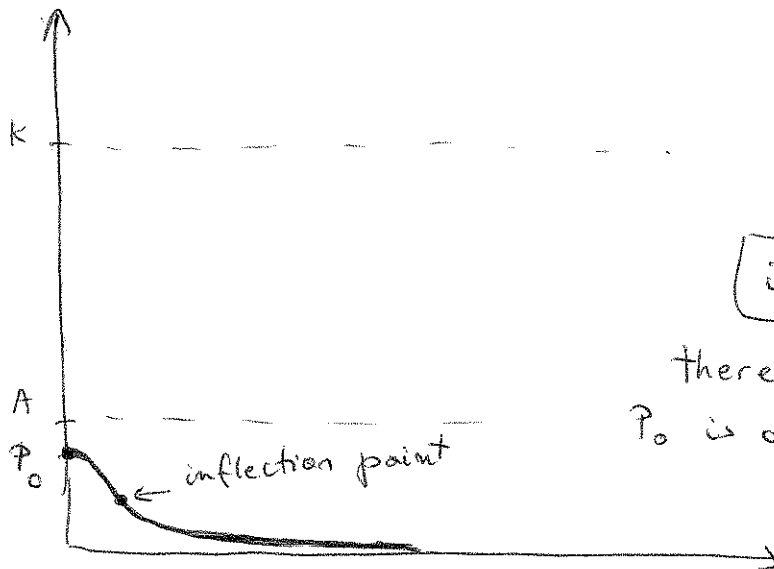
$$\frac{dP}{dt} = rP \left(1 - \frac{P}{K} \right)$$





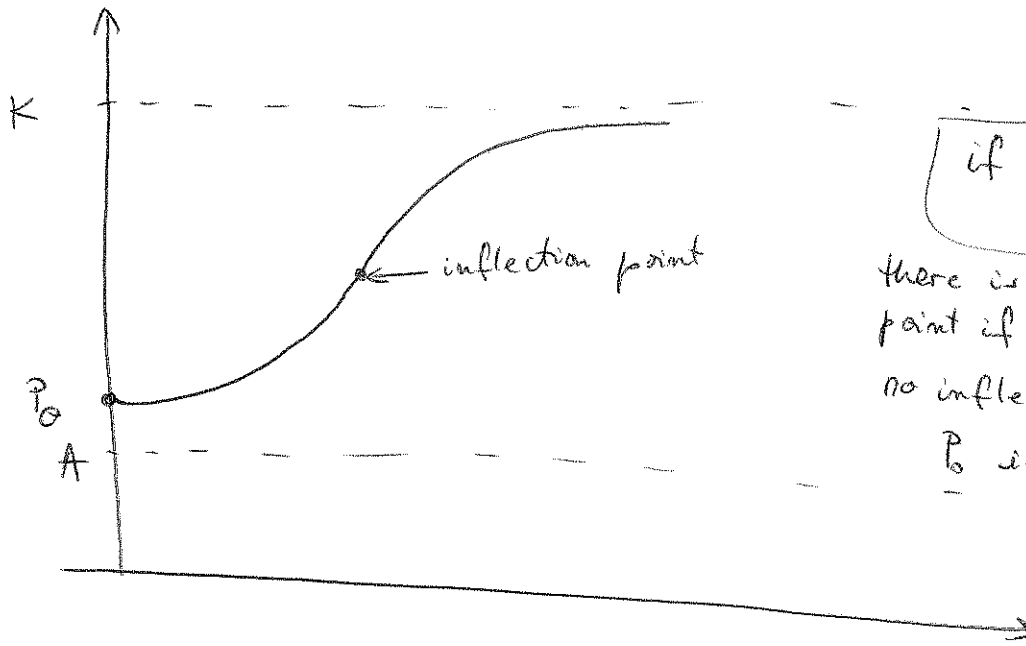
Graphs for the logistic equation with Allee effect

$$\frac{dP}{dt} = rP \left(1 - \frac{P}{K}\right) \left(\frac{P}{A} - 1\right) \quad (\text{where } A < K)$$



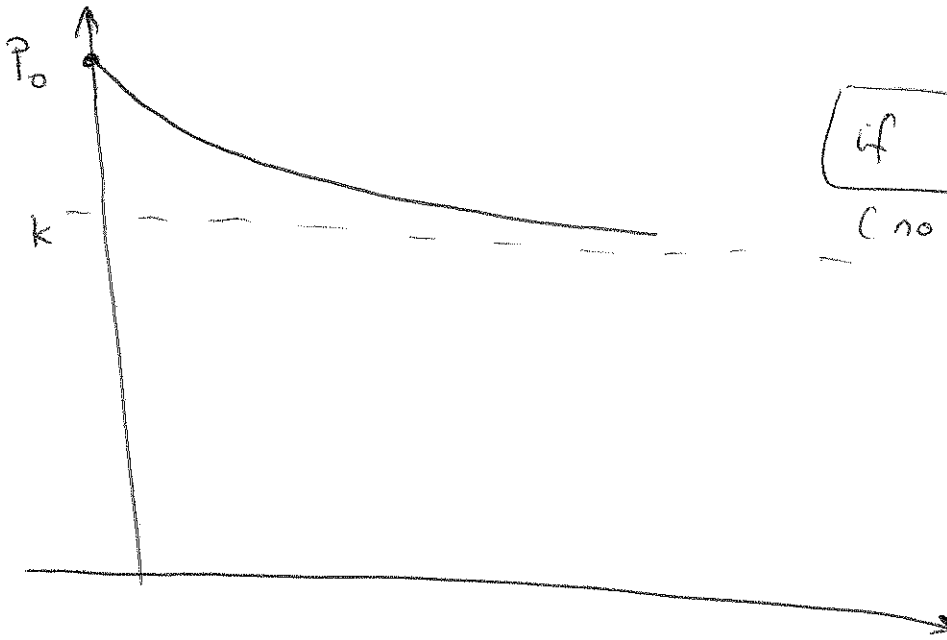
if $P_0 < A$

there is an inflection point if P_0 is close to A ; no inflection point if P_0 is close to 0



if $P_0 > A,$
 $P_0 < K$

there is an inflection point if P_0 is close to A ;
 no inflection point if P_0 is close to K



if $P_0 \searrow K$

(no inflection point)