$$J'(t) = m_{in} - m_{at}$$

$$m_{ut} = 2 \times y(t)$$

$$m_{in} = k (M - y(t))$$

$$ants let$$

$$his da Mapper Vid Hiden t$$

$$\chi(M - y(t))$$

$$y'(t) = K (M - y(t))$$

$$y'(t) = K(M-J(t)) - 2Ky(t) = KM - Ky(t) - 2Ky(t) = KM - 3Ky(t)$$

$$= KM - 3Ky(t)$$

>> 2K 5(t)

M=antalet Klappar

y(t) = antalet mjuka Klappar i lagret

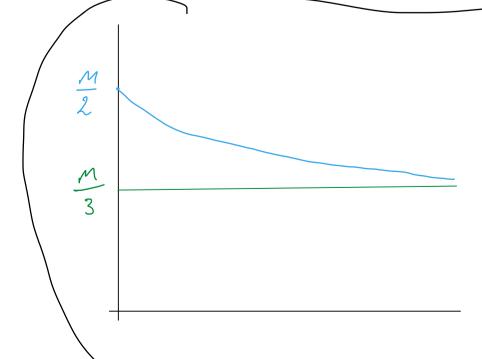
y(o) = M/2 = antalet mjuta Happer

$$y'(+) + 3 k y(+) = k M$$

$$g(t) = 3K$$
 $G(t) = 3Kt$ IF = e^{3Kt}

$$y(t) \cdot e^{3Kt} = \int KMe^{3Kt} = \frac{M}{3}e^{3Kt} + C$$

$$y(t) = \frac{M}{3} + Ce^{3kt}$$
 $y(0) = \frac{M}{3} + C = \frac{M}{2}$ $C = \frac{M}{6}$



$$y(+ = M\left(\frac{1}{3} + \frac{1}{6}e^{-3K+1}\right)$$