$$\frac{dy}{dt} = 2ky + k\bar{n}$$

$$\left(\frac{d}{dt} < u^2 >_{AV} = 2k < v^2 >_{AV} + k\bar{n}\right)$$

$$\Rightarrow \frac{dy}{dt} + p(t)y = g(t)$$

$$p(t) = -2k$$
 $q(t) = k\bar{n}$

es constant

$$\mu(t) = e^{\int ptt)dt+C} = A \cdot e^{\int -3k\cdot dt} = A \cdot e^{-3kt}$$

n=n.ekt