

(3)

$$\frac{T(t)}{T(t)} = t \propto \lambda^2$$

 $\frac{1 dT(t)}{T(t) dt} = + d \lambda^2$ 

$$\int \frac{dT(t)}{T(t)} = \left( \frac{\alpha n^2 dt}{\alpha n^2 dt} \right)$$

In T(t) = 282 t

1 Interpotion Constant

positive constant is unreal

ONLY CHANCE is C is reportive (4)  $\longrightarrow T(t) = Cl$ To get X(x) 1 95XW = - 25  $X|x\rangle dx^2$  $\frac{\partial X_{3}}{\partial z^{3}} + \lambda_{3} |X(x)| = 0$ = Sollution.  $\Rightarrow X(x) = A \cos(\pi x) + B \sin(\pi x)$ This is not e smetric function and the symmetric





