7 a d mella

Maxinggot Opra M80-4056-18

$$\widetilde{Y}(x) = Y(x) - \frac{(e^{ix} + i)\omega}{2}$$

$$2) V = X(x)Y(t)$$

$$\begin{cases} V+1 - V_{xx} + 3V_{x} = 0 \\ V|_{x=0} = 0 \quad V|_{x=\overline{x}i} = 0 \end{cases}$$

$$Y''X - YX'' + 3YX' = 0$$

$$Y'''X = YX'' - 3YX'$$

$$Y''' = \frac{X'' - 3X'}{X} = -\lambda = const$$

$$\begin{cases} X'' - 3X' = -\lambda X, occent \\ X(0) = 0, X(77) = 0 \end{cases}$$
3) $\lambda = 0, c_0 = \sqrt{-\lambda}$

3)
$$\lambda = 0$$
, $c_0 = \sqrt{-x}$
 $\chi = C_1 e^{-\left(\frac{5u_{co}^2 + 9}{2} - \frac{3}{2}\right)x} + C_2 e^{\left(\frac{5u_{co}^2 + 9}{2} + \frac{3}{2}\right)x}$

$$\begin{cases} (1 + (2 = 0) \\ (1 + (2 = 0) + (2 = 0)) \end{bmatrix} \\ (1 + (2 = 0) \end{bmatrix}$$

$$\left| \frac{1}{e^{\left(\sqrt{4\omega^2+9} - \frac{3}{2}\right)\sqrt{1}}} e^{\left(\sqrt{4\omega^2+5} + \frac{3}{2}\right)\sqrt{1}} \right| = 0 \quad \text{lle bognomeno, m. k.}$$

$$e^{\left(\sqrt{4\omega^2+9} - \frac{3}{2}\right)\sqrt{1}} e^{\left(\sqrt{4\omega^2+5} + \frac{3}{2}\right)\sqrt{1}} = 0 \quad \text{lle bognomeno, m. k.}$$

$$X = C_1 e^{3c} + C_2$$

$$\int_{0}^{\infty} \frac{C_{1} + C_{2} = 0}{1 + C_{2} = 0}$$
 $\Rightarrow \lambda = 0 - he cosonb. znon,$

20-4002) A e (19-400 + 3) M =0 Metognomeno