$$\lambda = 0$$
 $\lambda = -\frac{1}{2}$ $U_{1}(x) = C_{1}$ $U_{2}(x) = C_{2}e^{-x/2}$

General form of solution.

Initial conditions.

$$\begin{cases} u(1)=1 \\ -x/z \\ = 1 \end{cases}$$

$$C_{1} = -C_{2}$$

$$C_{1} = -C_{2}$$

$$C_{1} + C_{2} = 1$$

$$C_{1} + C_{2} = 1$$

$$C_{2} + C_{2} = 1$$

$$C_{1} + C_{2} = 1$$

$$C_{2} + C_{2} = 1$$

$$C_{3} + C_{2} = 1$$

$$C_{4} + C_{2} = 1$$

$$C_{4} + C_{2} = 1$$

$$C_{5} + C_{2} = 1$$

$$C_{7} + C_{2} = 1$$

$$C_{7} + C_{7} = 1$$

$$C_{7} = -1$$

$$C_{7} = -$$

$$\frac{1}{1 - e^{-1/2}} - \frac{1}{1 - e^{-1/2}} \left(e^{-X/2} \right) = o(x)$$