## 4-Linear Differosige Dentilem

$$A = y_{-1} Zy \otimes \alpha 1 q x$$

$$P(x) g(x)$$

$$1 = \begin{cases} P(x)dx = \begin{cases} 2xdx = e^{x^2} & \text{ile denklemi garp} \end{cases}$$

$$e^{x^{2}}y' + e^{x^{2}}2xy = e^{x^{2}}x$$

$$Sd(y-e^{x^2}) = Se^{x^2} \times dx$$
  
 $d(xy) = \int e^{x^2} + c$ 

$$y = \frac{1}{2} + c \cdot e^2 \rightarrow 6000$$