$$\frac{dx}{e^{2x}-3e^{x}}; \quad Vitliar c.v.$$

$$\frac{dx}{e^{2x}-3e^{x}} = \emptyset$$

$$\frac$$

$$\int \frac{1}{t^{3}-3t^{2}} dt = \int \left(-\frac{7/9}{t} + \frac{-1/3}{t^{2}} + \frac{1/9}{t-3}\right) dt =$$

$$= -\frac{1}{9} \ln t \cdot \frac{1}{3} + \frac{1}{9} \ln (t-3) + \frac{1}{9} = e^{x}$$

$$= -\frac{1}{9} \ln e^{x} + \frac{1}{9} (e^{x})^{-3} + \frac{1}{9} \ln |e^{x}-3| + \frac{1}{9}$$

$$= -\frac{1}{9} \ln e^{x} + \frac{1}{9} (e^{x})^{-3} + \frac{1}{9} \ln |e^{x}-3| + \frac{1}{9}$$

Comprobación:

$$\frac{d}{dx} \left(-\frac{1}{9} \times + \frac{1}{3} e^{-x} + \frac{1}{9} \ln |e^{x} - 5| + 4 \right) = \frac{d}{dx} \left(-\frac{1}{9} \times + \frac{1}{3} e^{-x} + \frac{1}{9} \ln |e^{x} - 5| + 4 \right) = \frac{e^{x}}{e^{x} - 3} = \frac{1}{9} \left[-\frac{1}{3} \frac{1}{e^{x}} + \frac{e^{x}}{e^{x} - 3} \right] = \frac{1}{9} \left[-\frac{1}{3} \frac{1}{e^{x}} + \frac{e^{x}}{e^{x} - 3} \right] = \frac{1}{9} \left[-\frac{1}{3} \frac{1}{e^{x}} + \frac{e^{x}}{e^{x} - 3} \right] = \frac{1}{9} \left[-\frac{1}{3} \frac{1}{e^{x}} + \frac{e^{x}}{e^{x} - 3} \right] = \frac{1}{9} \left[-\frac{1}{3} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} \right] = \frac{1}{9} \left[-\frac{1}{3} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} \right] = \frac{1}{9} \left[-\frac{1}{3} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} \right] = \frac{1}{9} \left[-\frac{1}{3} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} \right] = \frac{1}{9} \left[-\frac{1}{3} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} \right] = \frac{1}{9} \left[-\frac{1}{3} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} \right] = \frac{1}{9} \left[-\frac{1}{3} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} \right] = \frac{1}{9} \left[-\frac{1}{3} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} \right] = \frac{1}{9} \left[-\frac{1}{3} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} \right] = \frac{1}{9} \left[-\frac{1}{9} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} \right] = \frac{1}{9} \left[-\frac{1}{9} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} \right] = \frac{1}{9} \left[-\frac{1}{9} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} \right] = \frac{1}{9} \left[-\frac{1}{9} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} \right] = \frac{1}{9} \left[-\frac{1}{9} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} \right] = \frac{1}{9} \left[-\frac{1}{9} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} \right] = \frac{1}{9} \left[-\frac{1}{9} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} \right] = \frac{1}{9} \left[-\frac{1}{9} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} \right] = \frac{1}{9} \left[-\frac{1}{9} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} \right] = \frac{1}{9} \left[-\frac{1}{9} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} \right] = \frac{1}{9} \left[-\frac{1}{9} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} + \frac{1}{9} \frac{1}{e^{x}} \right] = \frac{1}$$

$$=\frac{1}{9}\left[\frac{9}{e^{1\times}-3e^{\times}}\right]=\frac{1}{e^{2\times}-3e^{\times}}$$