torsdag 22 december 2022 16:

$$\frac{9}{1000} \int_{0}^{10} \ln x \, dx = \left[ x \cdot \ln x \right]_{0}^{10} = \left[ x \cdot \ln x - x \right]_{0}^{10} = 0 - 1 - \left( x \cdot \ln x - x \right)_{0}^{10} = -\frac{1}{2}$$

$$\lim_{\varepsilon \to 0^{+}} \frac{1}{2} \ln x \, dx = \left[ x \cdot \ln x - x \right]_{0}^{10} = 0$$

$$\lim_{\varepsilon \to 0^{+}} \frac{1}{2} \ln x \, dx = 0$$

$$\frac{b}{s + inderdgribsvird}$$

$$\lim_{\xi \to 0^{+}} \int_{1+\xi}^{2} \frac{1}{x^{2} - 1} dx = \int_{1+\xi}^{2} \frac{A}{x - 1} + \frac{B}{x + 1} dx = \frac{1}{2} \int_{1+\xi}^{2} \frac{1}{x - 1} dx = \frac{$$