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$$-\int \Gamma \downarrow \square \downarrow$$

$$\int \frac{1}{x^2} dx = -\frac{1}{x} + C$$

$$\frac{|\int_{\sqrt{\gamma}}^{\sqrt{\gamma}+\Delta \sqrt{\gamma}} f(\eta) d\eta - \int_{\sqrt{\gamma}}^{\sqrt{\gamma}+\Delta \sqrt{\gamma}} g(\eta) d\eta|}{\int_{\sqrt{\gamma}}^{\sqrt{\gamma}+\Delta \sqrt{\gamma}} f(\eta) d\eta} \leq \Delta$$
$$|\frac{1}{n}\sum_{j=1}^n \log \frac{f_j(x)}{g_j(x)}| \leq \frac{1}{n} \sum_{j=1}^n |\log \frac{f_j(x)}{g_j(x)}| \leq \frac{1}{n} \sum_{j=1}^n \left(\frac{|f_j(x)-g_j(x)|}{\min(f_j(x), g_j(x))} \right)$$