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

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

$$\left| \int_{\sqrt{\gamma}}^L \frac{1}{\sqrt{t}} dt - \int_{\sqrt{\gamma}}^{L-\Delta} \frac{1}{\sqrt{t}} dt \right| \leq \Delta$$
$$\left| \frac{1}{\sqrt{\gamma}} - \frac{1}{\sqrt{L-\Delta}} \right| \leq \frac{\Delta}{\gamma}$$