

$$\int \ln x \, dx =$$

INT-S1-014

PER PARTI

$$= \int 1 \cdot \ln x \, dx =$$

$$= (1) \cdot \ln x - \int (1) (D \ln x) \, dx =$$

$$= x \ln x - \int x \cdot \frac{1}{x} \, dx =$$

$$= \boxed{x \ln x - x + k}$$