

$$\int \ln^2 x \, dx =$$

INT-S1-053

PER PARTI:

$$= \int 1 \cdot \ln^2 x \, dx =$$

$$= (S1) \ln^2 x - \int (S1) (D \ln^2 x) \, dx =$$

$$= x \ln^2 x - \int \cancel{x} \cdot 2 \cdot \ln x \cdot \frac{1}{\cancel{x}} \, dx =$$

$$= x \ln^2 x - 2 \int \ln x \, dx$$

VEDI ESERCIZIO

INT-S1-014

$$= x \ln^2 x - 2(x \ln x - x) + k$$