

$$\int x \cdot \text{sen} x \, dx =$$

INT-S1-020

PER PARTI

$$= (\int x \text{sen} x) \cdot x - \int (\int \text{sen} x) \cdot (Dx) \, dx =$$

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

$$= -x \cos x + \int \cos x \, dx =$$

$$= \boxed{-x \cos x + \text{sen} x + k}$$