$$\int \frac{\text{sen } \theta}{\cos \theta} \, d\theta =$$

$$\left[ \begin{array}{l} c = \cos \theta \\ \frac{dc}{d\theta} = -\text{sen } \theta \\ \text{sen } \theta \, d\theta = (-1) \, dc \end{array} \right]$$

$$\int \frac{1}{\cos \theta} \text{sen } \theta \, d\theta =$$

$$\int \frac{1}{c} (-1) \, dc =$$

$$- \int \frac{1}{c} \, dc =$$

$$- \ln |c| =$$

$$- \ln |\cos \theta|$$


$$\int \frac{\text{sen } \theta}{\cos \theta} \, d\theta =$$

$$\left[ \begin{array}{l} s = \text{sen } \theta \\ \frac{ds}{d\theta} = \cos \theta \\ \cos \theta \, d\theta = ds \end{array} \right]$$

$$\int \frac{\text{sen } \theta}{(\cos \theta)^2} \cos \theta \, d\theta =$$

$$\int \frac{\text{sen } \theta}{1-(\text{sen } \theta)^2} \cos \theta \, d\theta =$$

$$\int \frac{s}{1-s^2} \, ds = \, \dots \, \underset{\sim}{\text{!!}}$$