Find Stan 40 do.

$$\begin{aligned}
& \sin \theta \\
& \Rightarrow \tan^4 \theta \\
& = \int (\sec^2 \theta - 1) \tan^2 \theta \\
& = \int \sec^2 \theta \tan^2 \theta \\
& = \int u^2 du - \int \sec^2 \theta - 1 d\theta
\end{aligned}$$

$$= \frac{u^3 + C_1 - \left(\tan\theta - \theta + C_2\right)}{3}$$

$$= \frac{\tan^3\theta}{3} - \tan\theta + \theta + C$$

$$\sin^2\theta + \cos^2\theta = 1$$

$$\Rightarrow \tan^2\theta + 1 = \sec^2\theta$$

$$u = \tan \theta \Rightarrow du = \sec^2 \theta d\theta$$