$n_1 = 1.00$
$n_2 = 1.33$

$\lambda_1 = 589 \, nm = 589 \times 10^{-9} \, m$

$\theta_1 = 35.0°$

Find θ_2:

$n_1 \cdot \sin\theta_1 = n_2 \cdot \sin\theta_2$
$(1.00) \cdot \sin 35° = (1.33) \cdot \sin\theta_2$

$$\boxed{\theta_2 = 25.5°}$$

Find v_2:

$n_2 = \dfrac{c}{v_2}$ $(1.33) = \dfrac{(3 \times 10^8 \, m/s)}{v_2}$

$v_2 = 2.26 \times 10^8 \, m/s$

Find λ_2:

$\dfrac{v_1}{\lambda_1} = \dfrac{v_2}{\lambda_2}$ (f is constant)

$$\dfrac{(3 \times 10^8 \, m/s)}{(589 \times 10^{-9} \, m)} = \dfrac{(2.26 \times 10^8 \, m/s)}{\lambda_2}$$

$$\boxed{\lambda_2 = 443 \, nm}$$