$$\frac{1}{\lambda} = 1.09737 \text{ x } 10^{7} \text{ m}^{-1} \left[\left(\frac{1}{n_i^2} \right) - \left(\frac{1}{n_f^2} \right) \right]$$

$$\frac{1}{\lambda} = 1.09737 \text{ x } 10^{7} \text{ m}^{-1} \left[\left(\frac{1}{5^2} \right) - \left(\frac{1}{2^2} \right) \right]$$

$$\frac{1}{\lambda} = 1.09737 \text{ x } 10^{7} \text{ m}^{-1} \left[-0.21 \right]$$

$$\frac{1}{\lambda} = - \ 2304484 \text{ m}^{-1}$$

$$\lambda = - 4.33937 \text{ x } 10^{-7} \text{ m}$$

$$-4.33937 \text{ x } 10^{-7} \text{ m x } \frac{1 \text{ x } 10^{9} \text{ nm}}{1 \text{ m}} = - 433.937 \text{ nm}$$