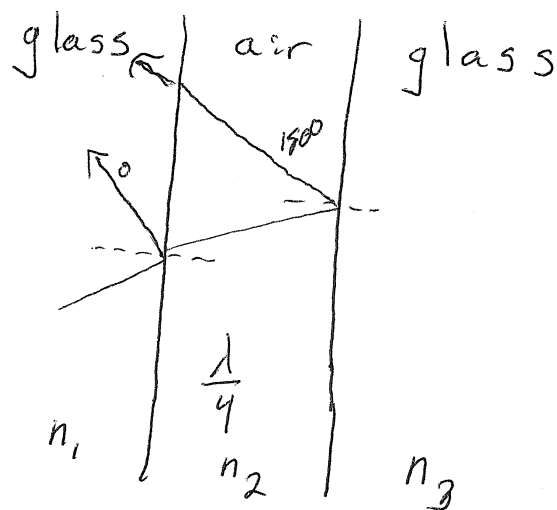


How thick (minimum) should the air between two flat glass surfaces be if the glass is to appear bright when 480 nm light is incident normally?



$$2t_{\min} = \frac{\lambda}{2}$$

$$2t_{\min} = \frac{\lambda}{2n}$$

$$t_{\min} = \frac{\lambda}{4n}$$

$$= \frac{480 \text{ nm}}{4(1.0)}$$

$$= 120 \text{ nm}$$