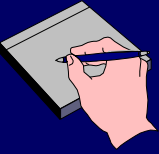
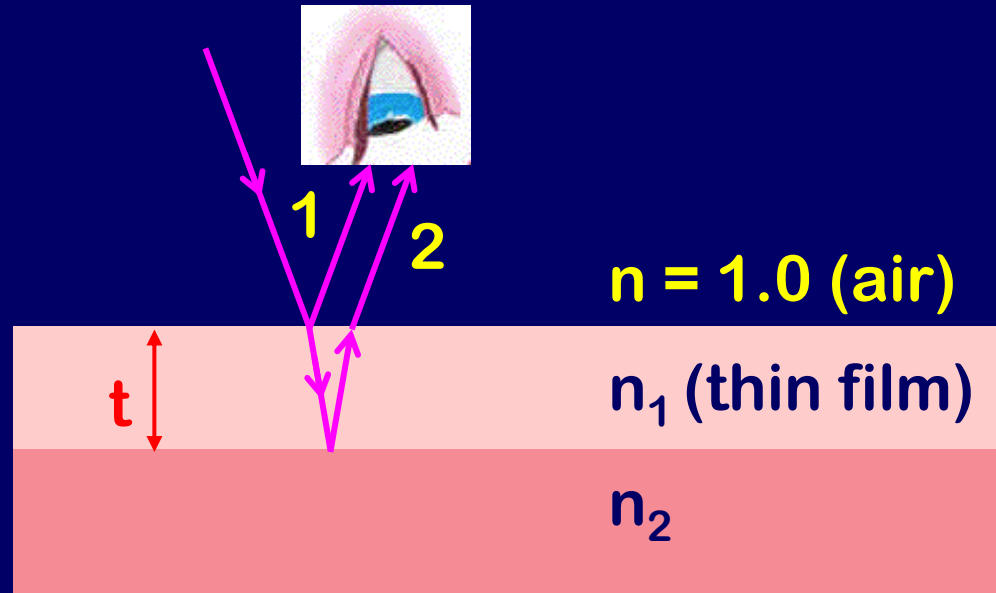


Example

Thin Film Practice



Blue light ($\lambda_0 = 500 \text{ nm}$) incident on a glass ($n_1 = 1.5$) cover slip ($t = 167 \text{ nm}$) floating on top of water ($n_2 = 1.3$).



Is the interference **constructive** or **destructive** or **neither**?

$$\delta_1 =$$

$$\delta_2 =$$

$$\text{Phase shift} = |\delta_2 - \delta_1| =$$