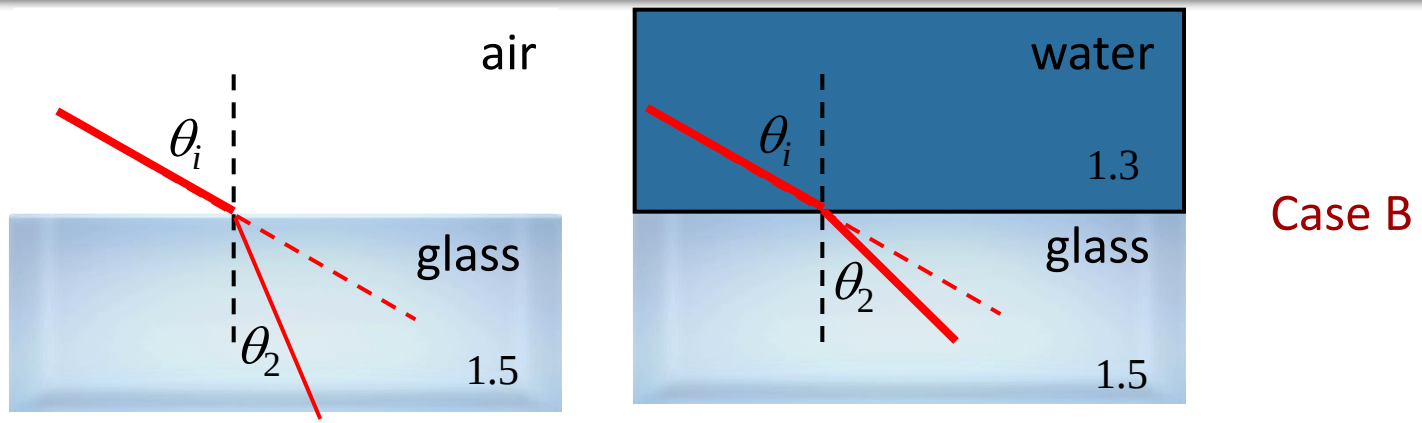

In Case A light in air heads toward a piece of glass with incident angle θ_i
In Case B, light in water heads toward a piece of glass at the same angle.

In which case is the light bent most as it enters the glass?

A) Case A
B) Case B
C) Same

The angle of refraction in bigger for the water – glass interface:

$$n_1 \sin(\theta_1) = n_2 \sin(\theta_2) \quad \rightarrow \quad \sin(\theta_2)/\sin(\theta_1) = n_1/n_2$$

Therefore the BEND ANGLE $(\theta_1 - \theta_2)$ is BIGGER for air – glass interface