

$$f = -10.0 \text{ cm}$$

$$d_o = 18.0 \text{ cm}$$

$$d_i = ?$$

$$d_o^{-1} + d_i^{-1} = f^{-1}$$

$$(18.0 \text{ cm})^{-1} + d_i^{-1} = (-10.0 \text{ cm})^{-1}$$

$$d_i = -6.4 \text{ cm}$$