

Chapter 6, Solution 55.

(a) $L // L = 0.5L$, $L + L = 2L$

$$L_{eq} = L + 2L // 0.5L = L + \frac{2L \times 0.5L}{2L + 0.5L} = \underline{1.4L} = \mathbf{1.4\ L}.$$

(b) $L // L = 0.5L$, $L // L + L // L = L$

$$L_{eq} = L // L = \mathbf{500\ mL}$$