

**24.22.** Figure 24.27 shows a system of four capacitors, where the potential difference across  $ab$  is 50.0 V. (a) Find the equivalent capacitance of this system between  $a$  and  $b$ . (b) How much charge is stored by this combination of capacitors? (c) How much charge is stored in each of the  $10.0\text{-}\mu\text{F}$  and the  $9.0\text{-}\mu\text{F}$  capacitors?

**Figure 24.27** Exercise 24.22.

