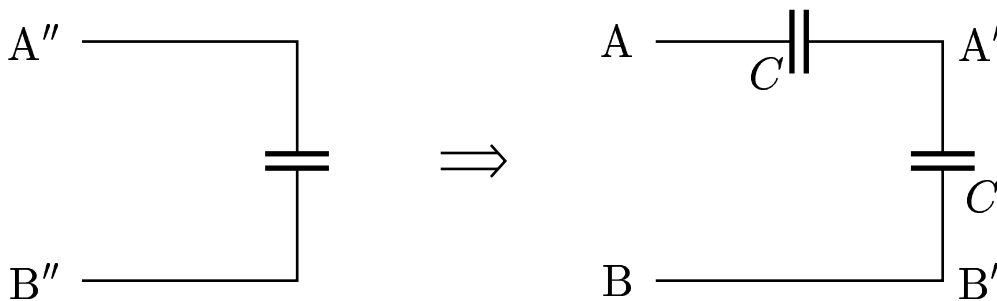
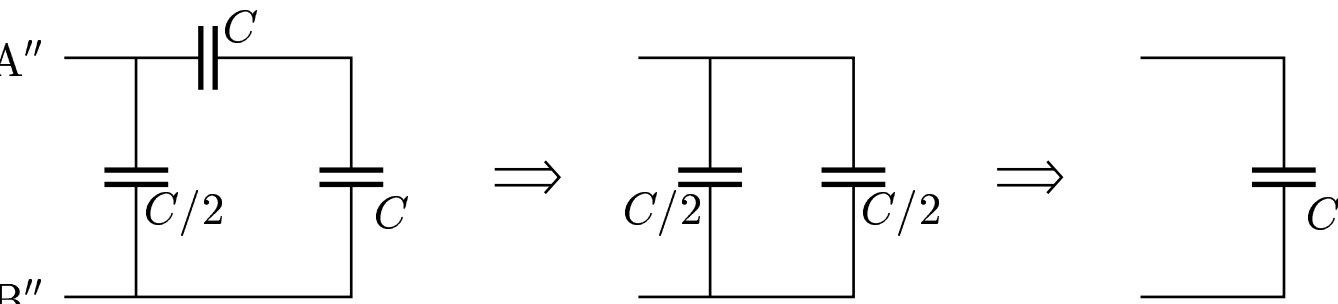


Determine the resultant capacitance C_{AB} for the above network.

- A) $C_{AB} = \frac{C}{4}$
- B) $C_{AB} = \frac{C}{2}$
- C) $C_{AB} = C$
- D) $C_{AB} = 2C$
- E) $C_{AB} = 4C$



By inspection, $C_{A'B'} = C_{A''B''} = C$.

This leads to

$$C_{AB} = \text{sketch} = \frac{C}{2}.$$

Answer **B**.