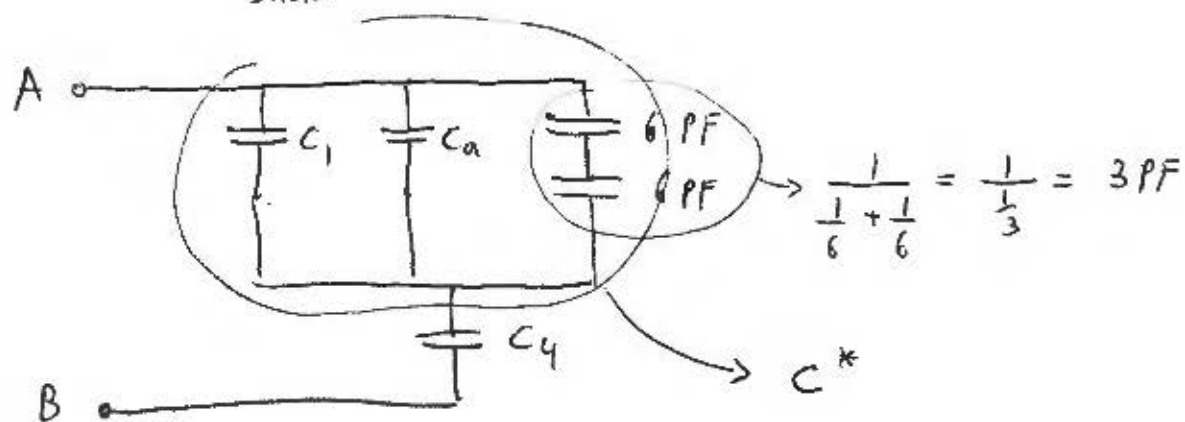
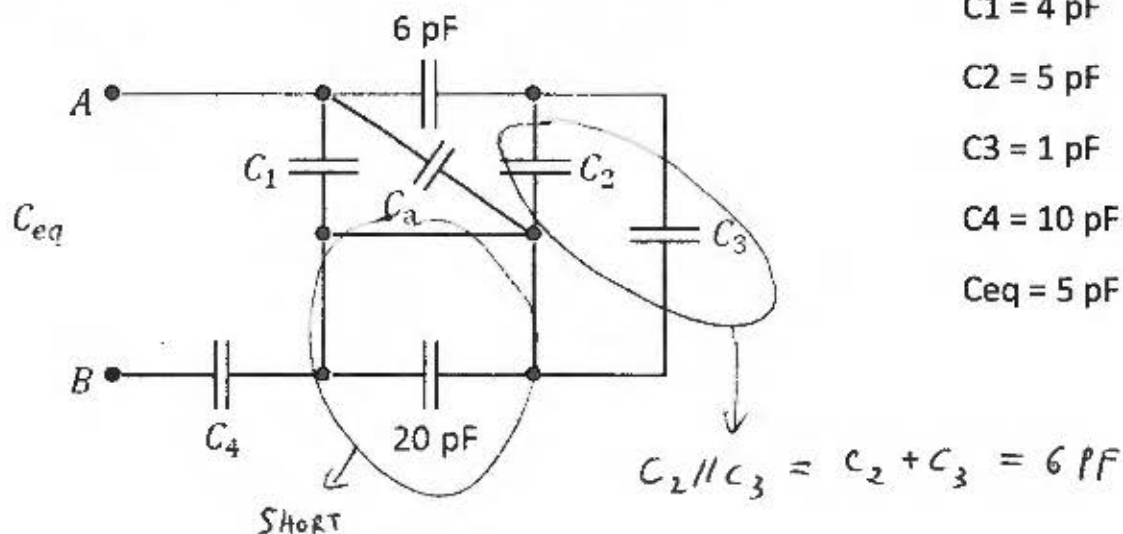


Given  $C_{eq}$  between points A and B, what is  $C_a$ ?



$$\frac{1}{C_{eq}} = \frac{1}{C_4} + \frac{1}{C^*} \Rightarrow \frac{1}{C^*} = \frac{1}{5} - \frac{1}{10} = \frac{1}{10} \Rightarrow C^* = 10 \text{ pF}$$

$$C^* = C_1 + C_a + 3 \Rightarrow C_a = 10 - 4 - 3 = 3 \text{ pF}$$

$$\boxed{C_a = 3 \text{ pF}}$$