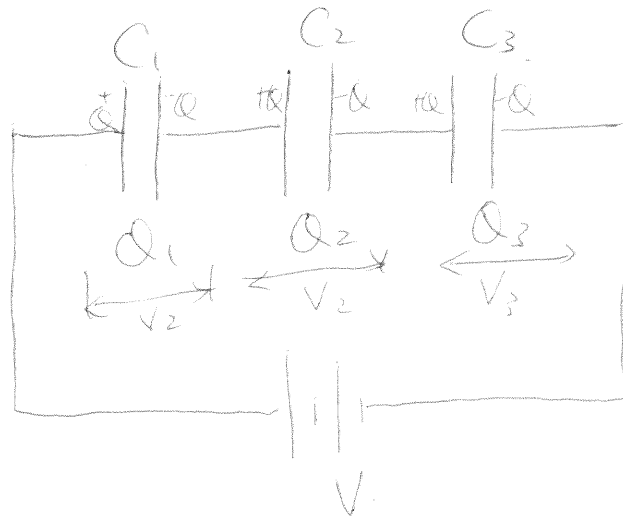


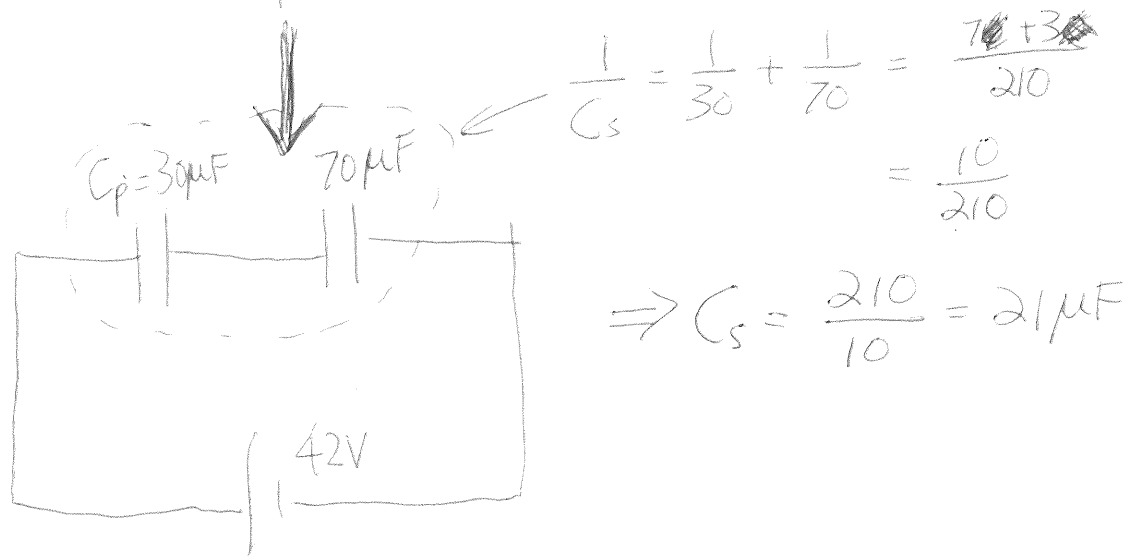
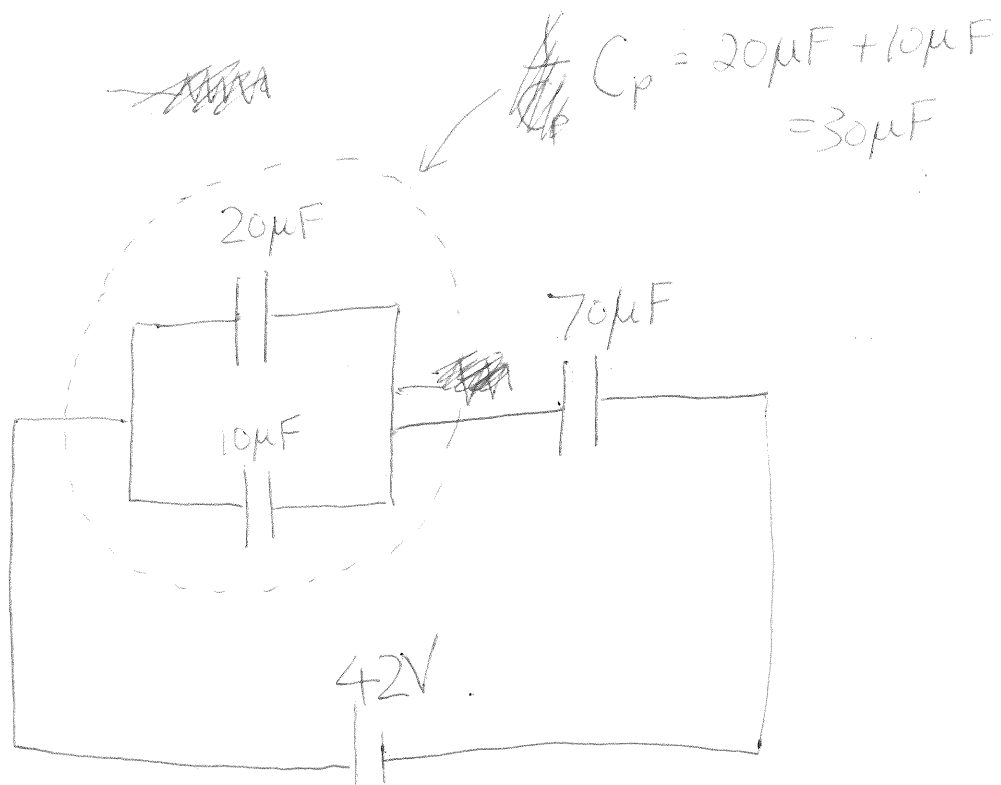
①



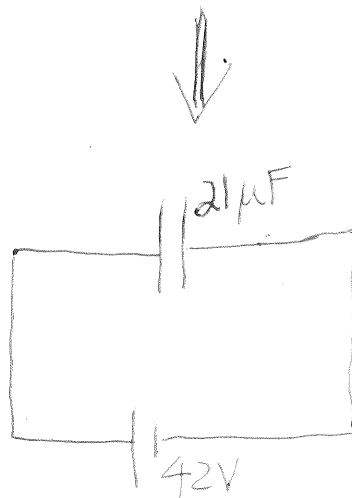
$$\frac{1}{C_s} = \frac{1}{C_1} + \frac{1}{C_2} + \frac{1}{C_3}$$

$$Q_1 = Q_2 = Q_3 \leftarrow$$

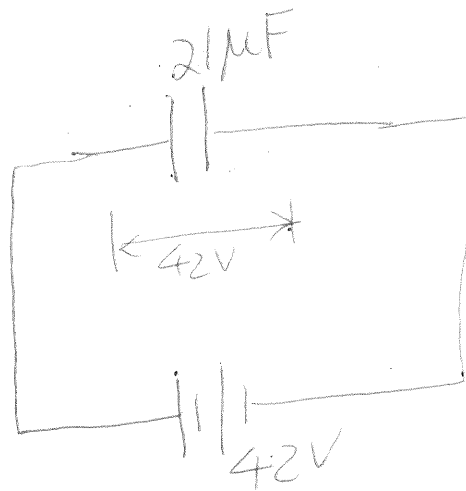
$$V_1 = \frac{Q_1}{C_1}, \quad V_2 = \frac{Q_2}{C_2}, \quad \dots$$



$$\Rightarrow C_s = \frac{210}{10} = 21\mu F$$

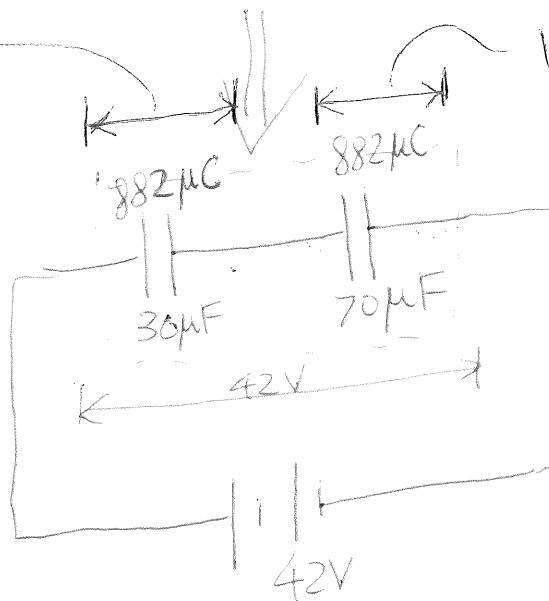


3



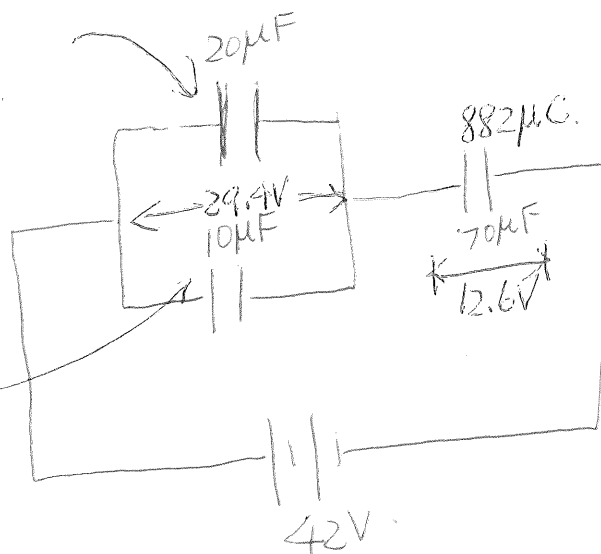
$$Q = CV = 882\mu C$$

$$V = \frac{Q}{C} = \frac{882\mu C}{30\mu F} = 29.4V$$



$$V = \frac{Q}{C} = \frac{882\mu C}{70\mu F} = 12.6V$$

$$Q = CV = 20 \times 29.4 = 588\mu C$$



$$Q = CV = 10 \times 29.4 = 294\mu C$$

$$588\mu C + 294\mu C = 882\mu C$$

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