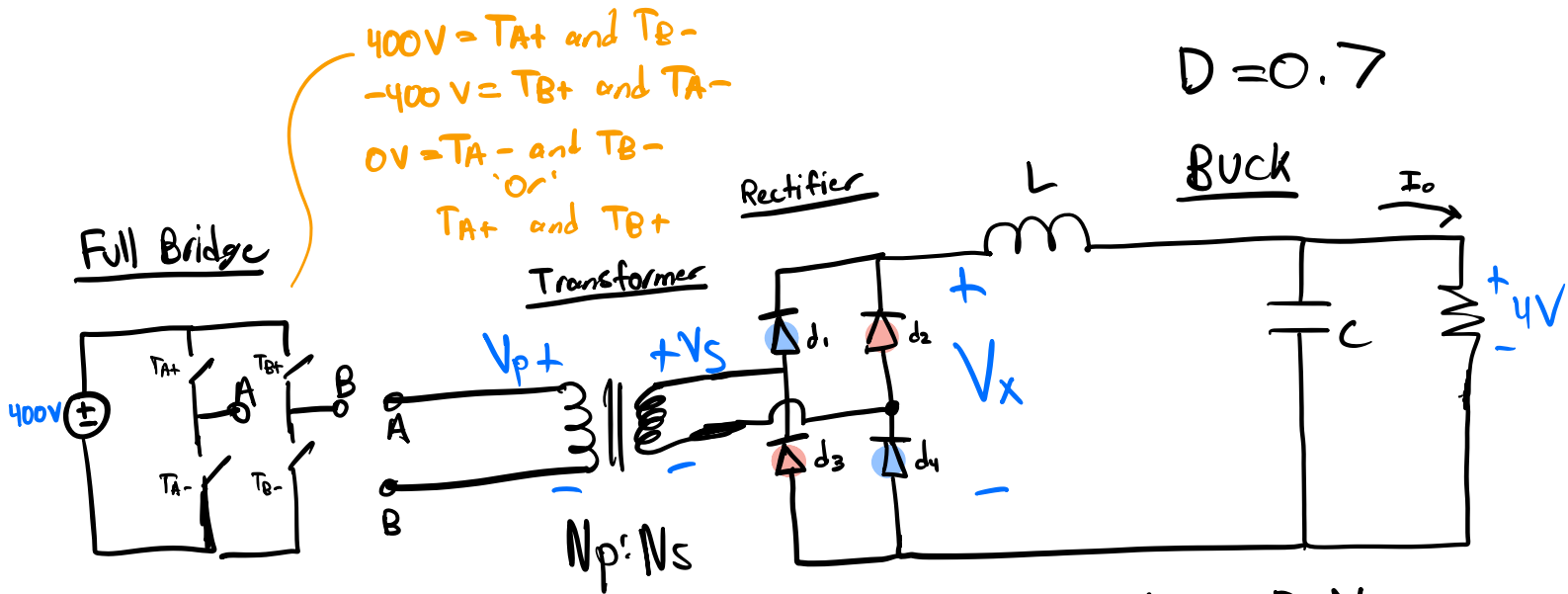
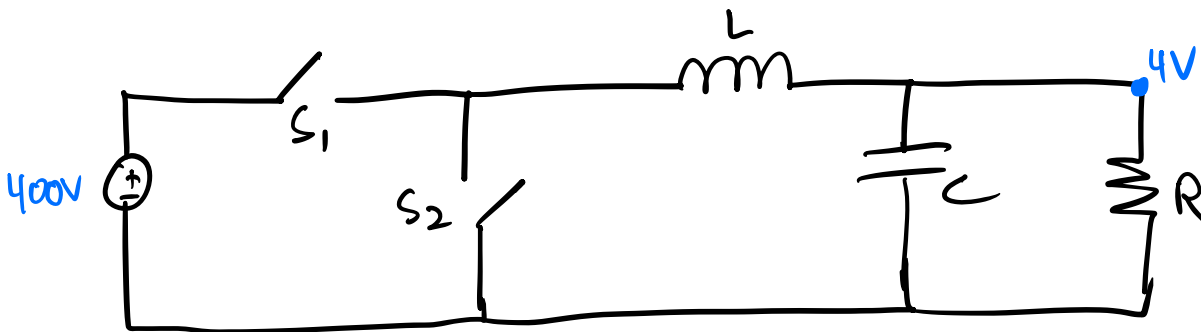


↓
Use a Buck with $D = 0.01$



$$\frac{V_p}{V_s} = \frac{N_p}{N_s} = T \rightarrow \frac{400V}{5.71V} = 70.05 \text{ Turns}$$

$$V_o = D \cdot V_{in}$$

$$\therefore V_{in} = \frac{4}{0.7} = 5.71V$$

