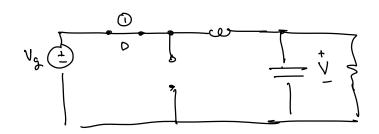
- Exam Review

$$V_{L} = L \frac{di}{dt}$$
  $\rightarrow$   $V_{L} \approx L \frac{2 \delta i_{L}}{\delta t}$  (1)

evaluate in either contint

 $0 = 2$ 

Ex: Buck in config 1)



Eq (1) For ...fig (1)

- General Strategy For Problem Solving -> How to start solving any problem? Step ! Begin by writing "golden equations" which always hold true. all golden  $v_{L} = L \frac{di}{dt}$ ,  $i_{c} = C \frac{dv}{dt}$   $v_{L} = L \frac{2\Delta i}{\Delta t}$ ,  $i_{c} = C \frac{2\Delta v}{\Delta t}$ MOST

IMPT! Belance equipments  $\sqrt{\frac{1}{n}}$   $\begin{cases}
\sqrt{v_L} > = 0 = D \text{ (config2)} \\
\sqrt{i_c} > = 0 = D
\end{cases}$ 

 $P_{in} = P_{out} + P_{loss}$   $P_{in} = P_{out} + P_{loss}$ 

Step 2 . Take stock of "knowns" and "nknowns"

\* # of alg egns.

Same #

Step 3. Solve for what is missing & apply understand . F Fundament als.