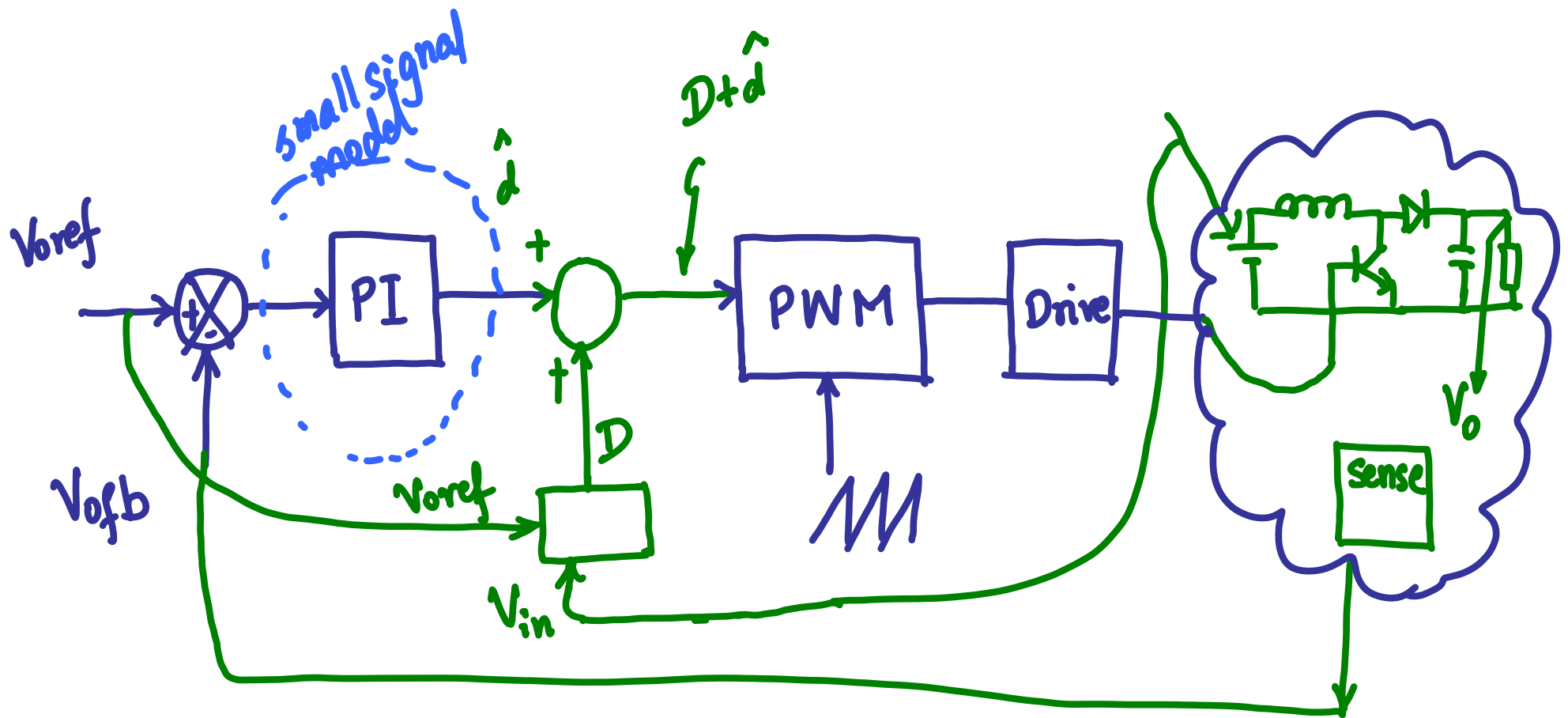


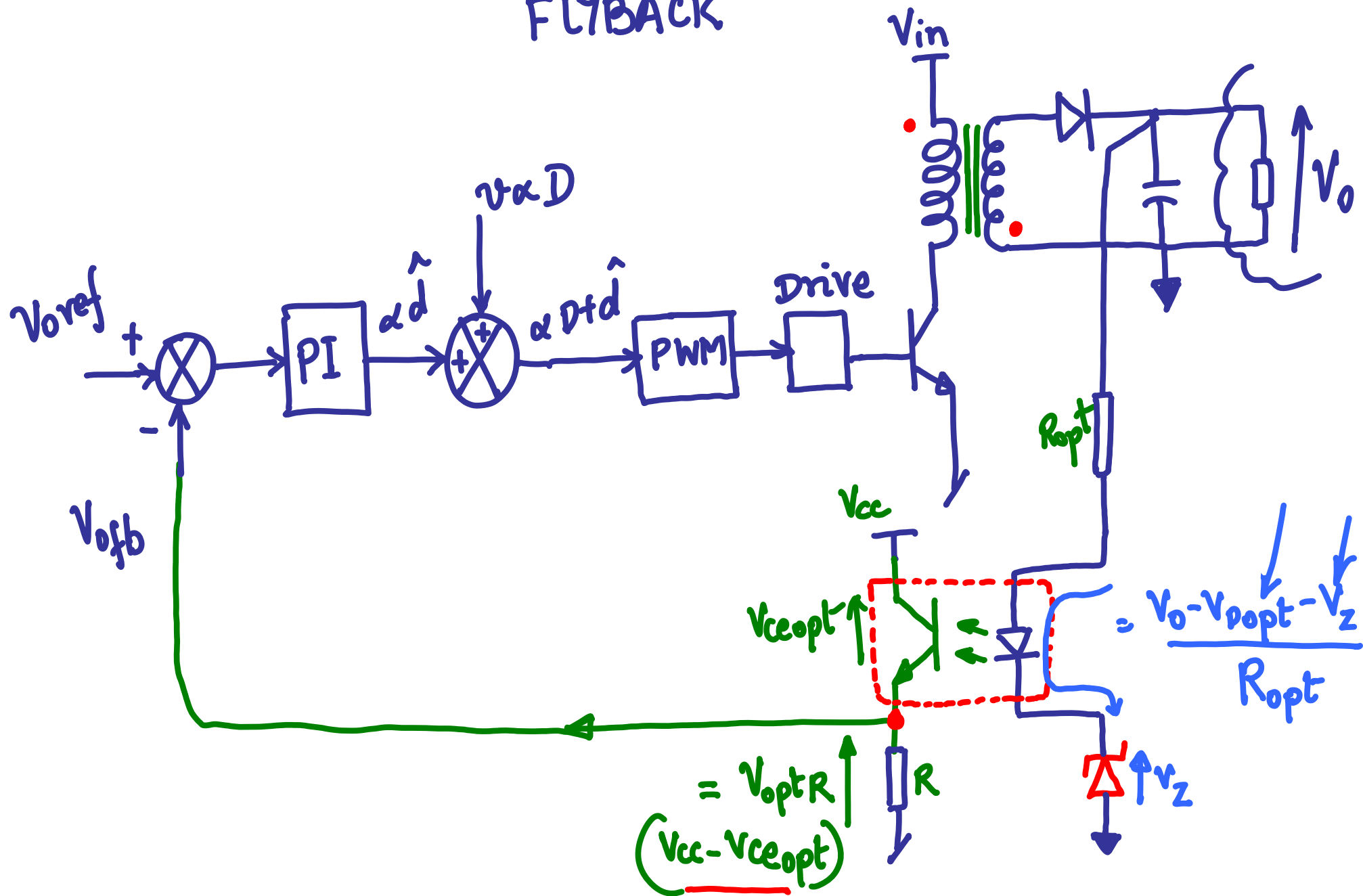
transfer  
fn.  $\frac{\hat{v}_0(s)}{\hat{d}(s)} = \left( \text{---} \right)$



$$\underline{V_o} = \underline{V_{in}} \left( \frac{1}{1-D} \right) \Rightarrow \frac{1}{1-D} = \frac{V_o}{V_{in}}$$

$$\therefore 1-D = \frac{V_{in}}{V_o} \Rightarrow D = 1 - \frac{V_{in}}{V_o}$$

# FLYBACK



① - Trial & Error  
(Ziegler-Nichols  
method)

②. Model based  
thru' ROOT LOCUS  
Technique



Other uncontrolled outputs NEED  
to be locally regulated

How?

1. Linear Regulator
2. Switched non-isolated topology
3. Coupled inductor
4. Magnetic amplifier method.

Switched }  
Non isolated } for Regulator Method  
converter

