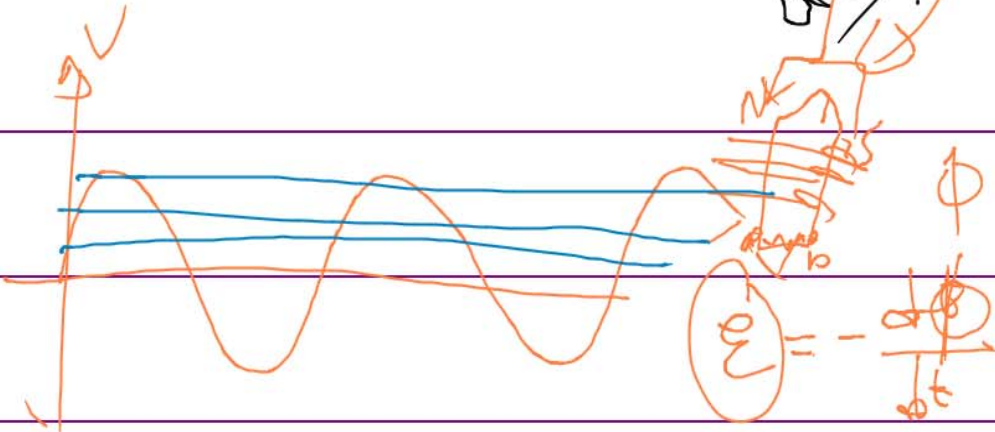
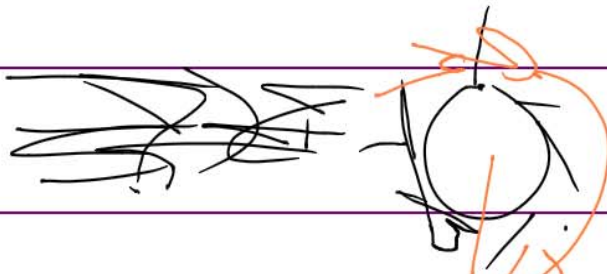
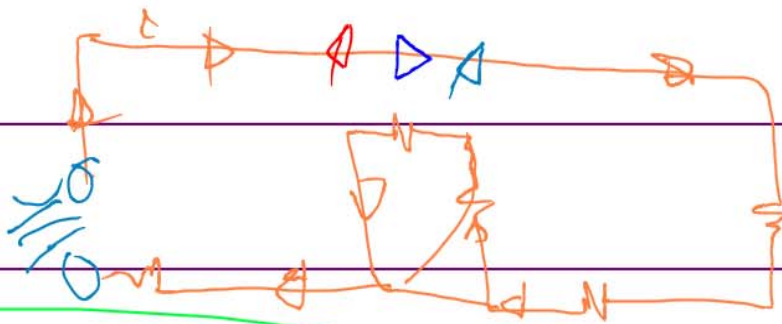


Stegm

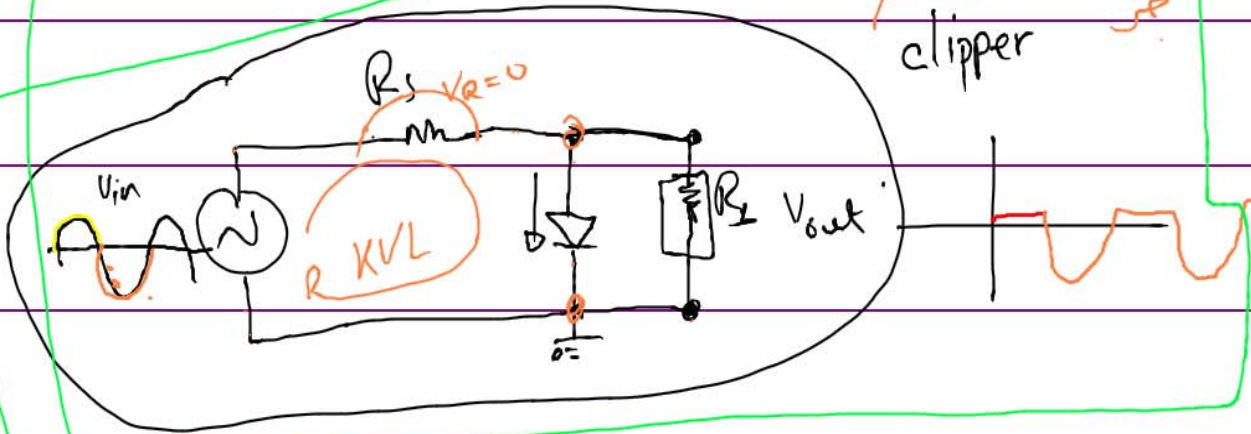


DC : direct current



Half wave rectifier

ideal  $\sim \infty$   $I_{re}$

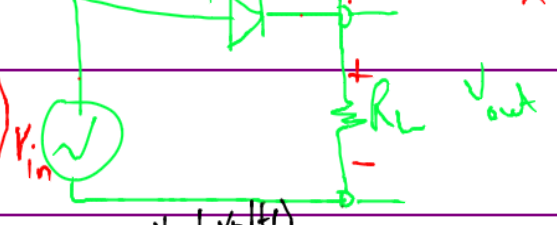


~~HWR~~

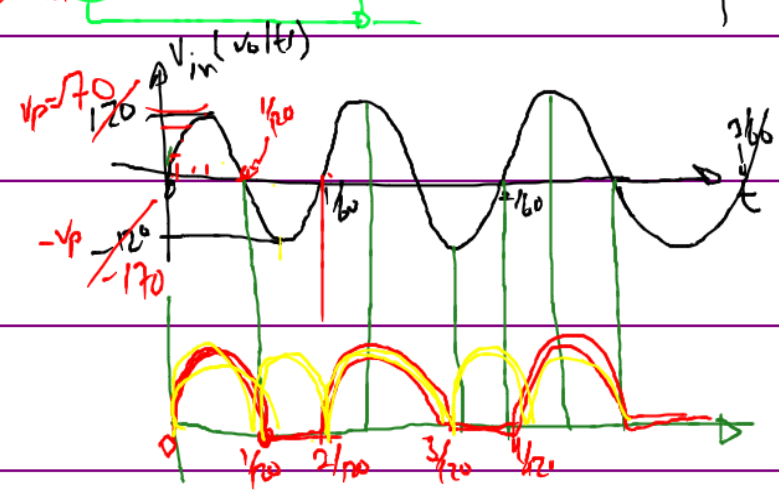
ideal

✓ X 0 zero

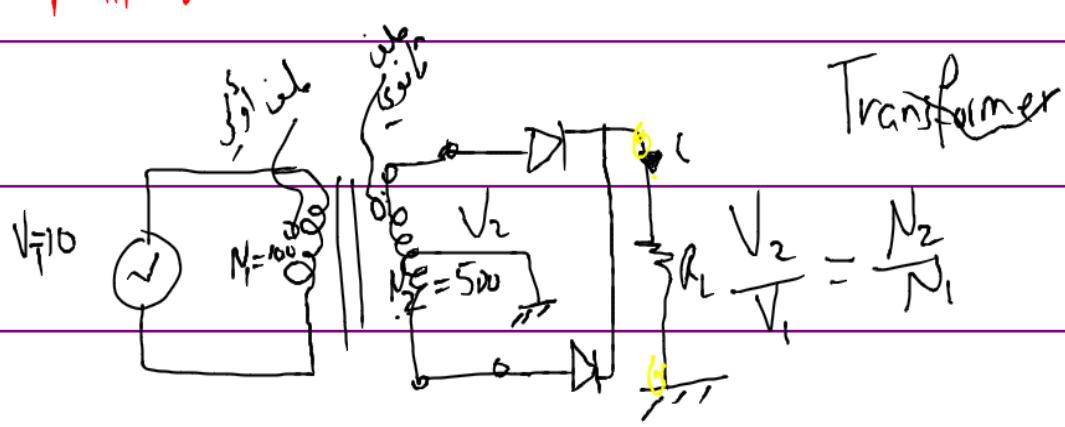
$V_{rms} = \frac{V_p}{\sqrt{2}}$   
 $127V$   
 $120V$   
 $110V$



$f = 60Hz$

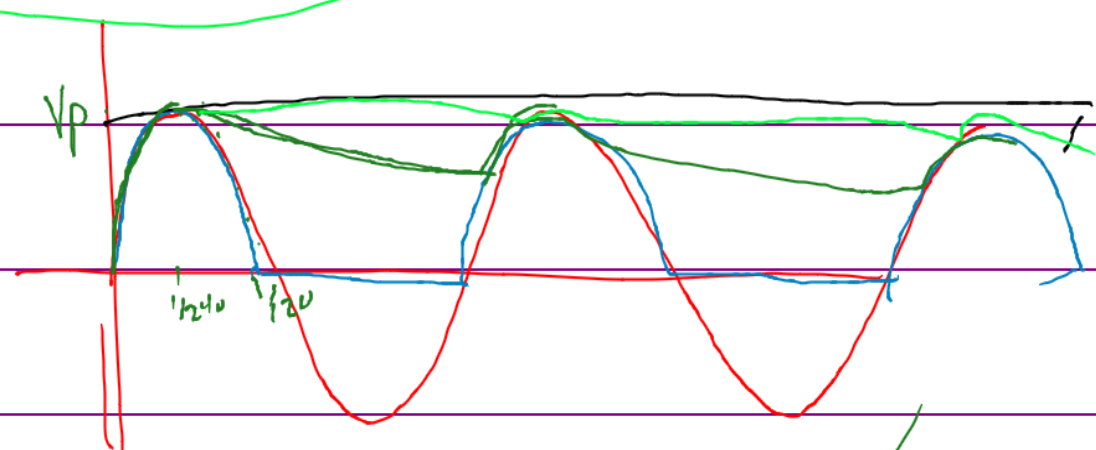


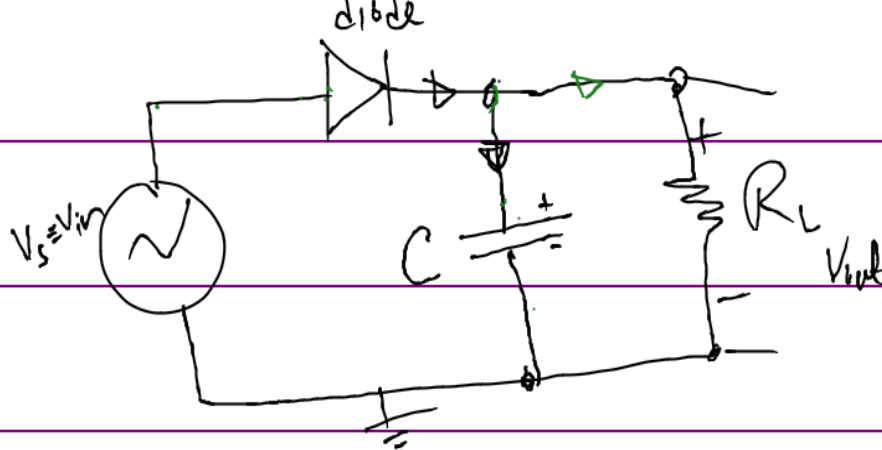
Full wave rectifier



$\frac{V_2}{V_1} = \frac{N_2}{N_1}$

DC conversion





$$V_+ - V_- \equiv V_{out}$$

$$C * R_L = \tau$$

$$\tau \gg T$$

$$T = \frac{1}{f_{50\%}}$$

$$f = 60 \text{ Hz}$$

$$T = \frac{1}{60} \text{ s}$$