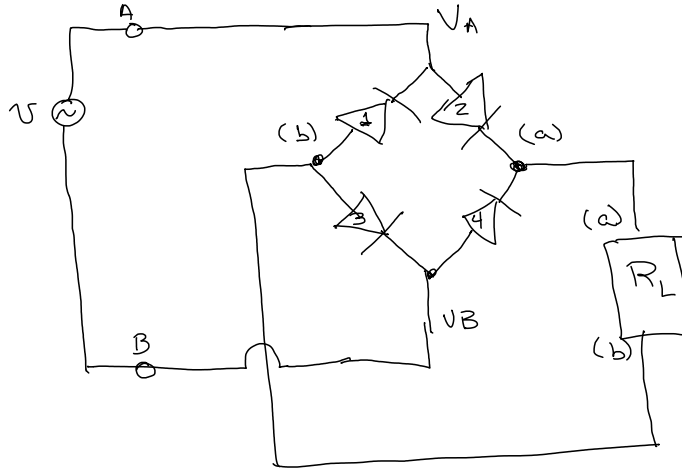
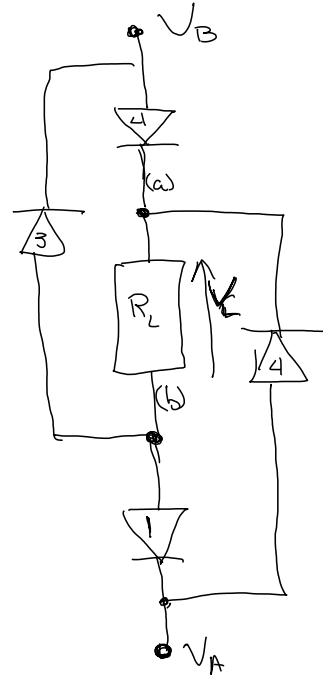


FULL WAVE RECTIFIER

September-22-20 16:17



Negative half Cycle $V_B > V_A$



$$(a) = V_B - 0.7V$$

$D4 \approx F.B.$

$$(b) = V_B - 0.7V - IR_L$$

$(b) < V_B$
so $D3$ is R.B

$$V_A = V_B - 0.7V - IR_L - 0.7V$$

$V_A < (b)$ so $D1$ is F.B

$V_A < (a)$ so $D2$ is R.B

$(a) > (b)$ so V_L

in Same Direction as
in Positive half Cycle

