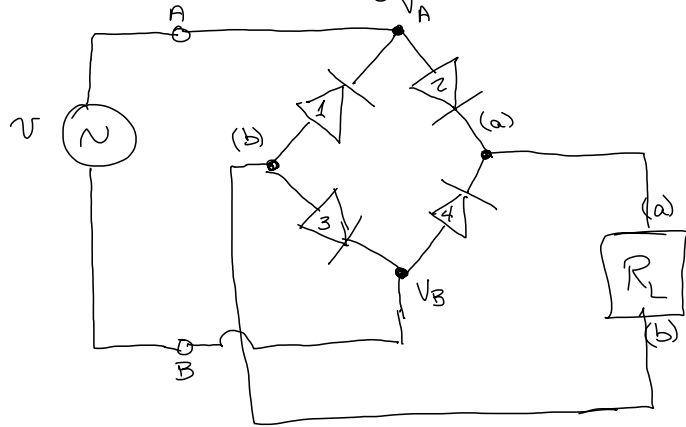
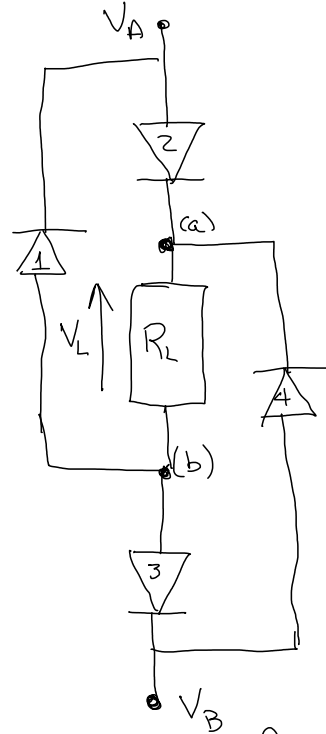


Full Wave Rectifier



Positive Half Cycle $\Rightarrow V_A > V_B$



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

D_2 is Forward Biased (F.B)

$$(b) = V_A - 0.7V - \underbrace{I R_L}_{V_L}$$

$$(b) < V_A$$

D_1 is Reverse Biased (R.B)

$$V_B = V_A - 0.7V - I R_L - 0.7V$$

$$V_B < (b) \text{ so } D_3 = \text{F.B.}$$

$$V_B < (a) \text{ so } D_4 = \text{R.B.}$$

And V_L is high Potential at (a)

And Low Potential at b