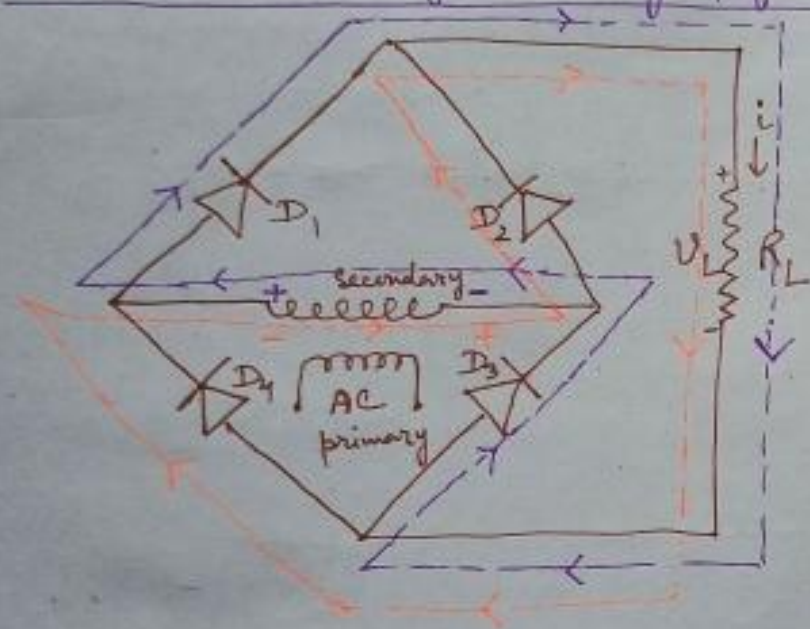


iii) Magnitude of both of them is same.

iv) Both are intrinsic properties of the material of the p-n jn.

5.) Describe the functioning of a Bridge Rectifier :-



Bridge Rectifier circuit

direction of the arrow(---). In the next half cycle, the polarity of transformer's secondary voltage reverses. So then during that half-cycle

With a bridge rectifier full wave rectification can be achieved. It employs four diodes. In the ckt, only two diodes in opposite arms of the bridge conduct simultaneously, while the other two diodes remain off (reverse biased). For one of the half cycles of an ac transformer's secondary voltage, as shown in the figure, the diodes D_1, D_3 conduct, but D_2, D_4 remains off. I current passes through load R_L in the