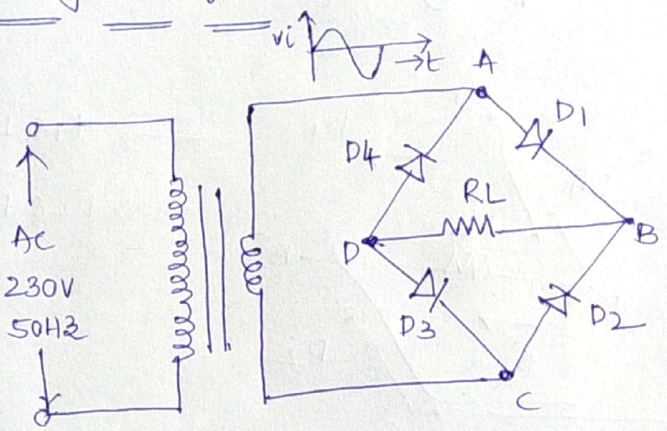
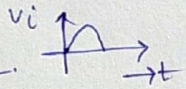
→ Bridge Rectifiers :

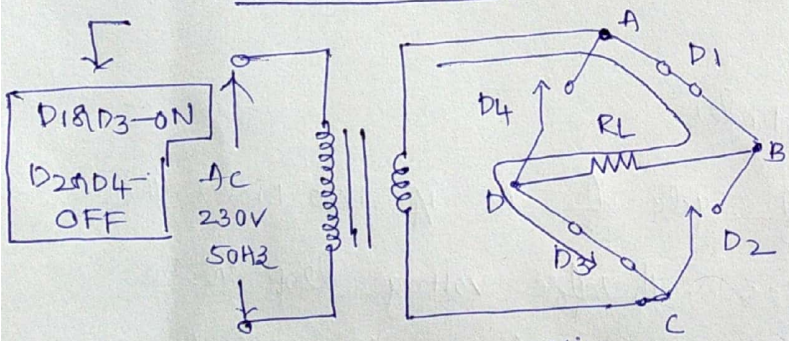


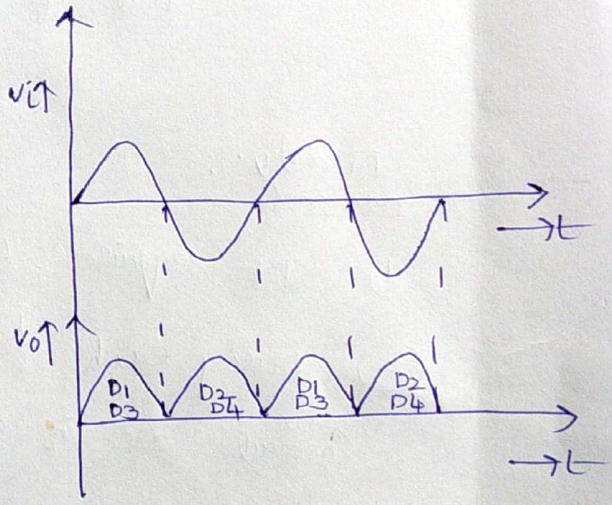
+ → P
− → N
F.B → ON → S.C.

− → P
+ → N
R.B → OFF → O.C.

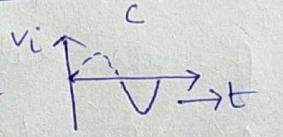
+ve half cycle.

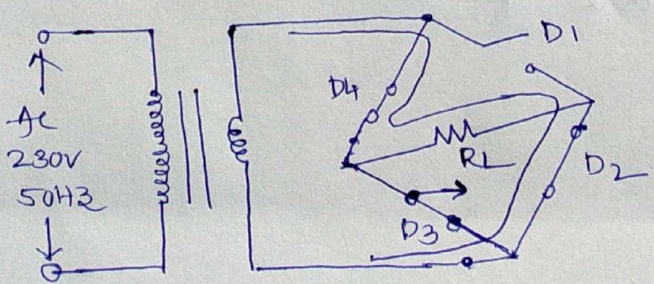


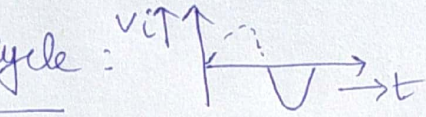


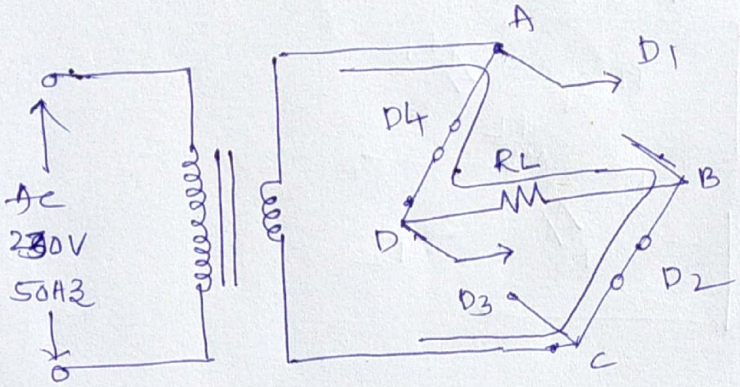


−ve half cycle





→ -ve Half cycle : 



→ D1 & D3 → OFF
→ D2 & D4 → ON

→ ~~Adv~~ Adv :

(1) No Center tap transformer is required
(2) TUF, in case of a bridge rectifier is higher than that of a Centre tap rectifier

→ Disadv :

(1) It requires 4 Diodes.
(2) During each half cycle of Ac i/p TWO Diodes that Conduct are in series. Therefore voltage drop in the Internal resistance of the rectifying unit will be twice that of Center tapped circuit.