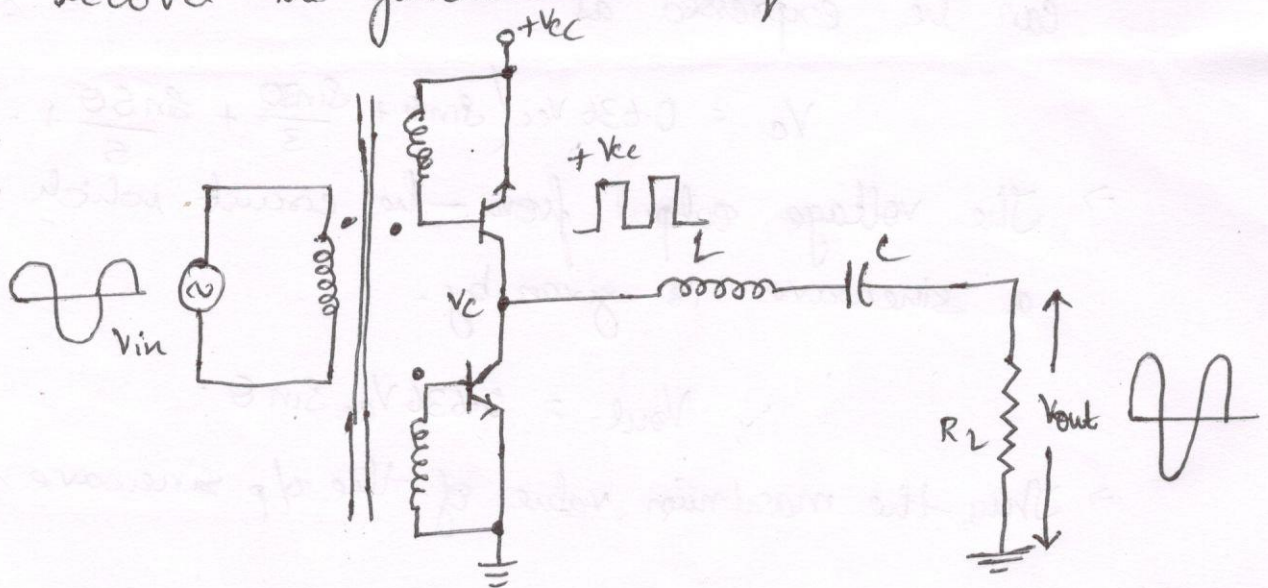


## \* CLASS-D POWER AMPLIFIER:

- In class D, transistors are used as switch instead of current sources.
- As the power dissipation in a switch is ideally zero, the efficiency of class D approaches 100 percent.
- B/c of its high efficiency it is widely used in transmitters.
- here two push-pull transistor switches are used to produce a square wave, which is then filtered to recover the fundamental freq.



- Here, a push-pull connection with two complementary transistors is used.
- An RF transformer couples the input signal to the base of both the transistors.
- During the positive half cycle of the input voltage, the upper transistor is driven into cut-off & the lower transistor saturates.