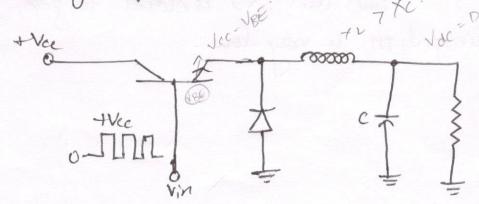
## \* CLASS-S POWER AMPLIFIER:

> class 8 operation of a transistor is mostly used in switching regulators



- A continuos Ostring of pulses of an amplifier amplitude Nec drives the transistor in emitter follower connection.

  > Because of the VBE drop, the voltage driving the Dilt er is a train of pulses with an amplitude of
  - > If re is much greater than xe at the smitching. Is equency, the exp is a D-c voltage of Vac = D(Vec-VBE), where D is the duty cycle & the ip wareform.
  - ? Thus, higher the duty cycle larger will be the De
  - -> The Buitching regulator uses a class of amplifi in which by varying the duty cycle one can regulate the de ofp. Futher, since the transistor is switches into either cut off or saturation its power dissipati is much lower than in a series regulator.