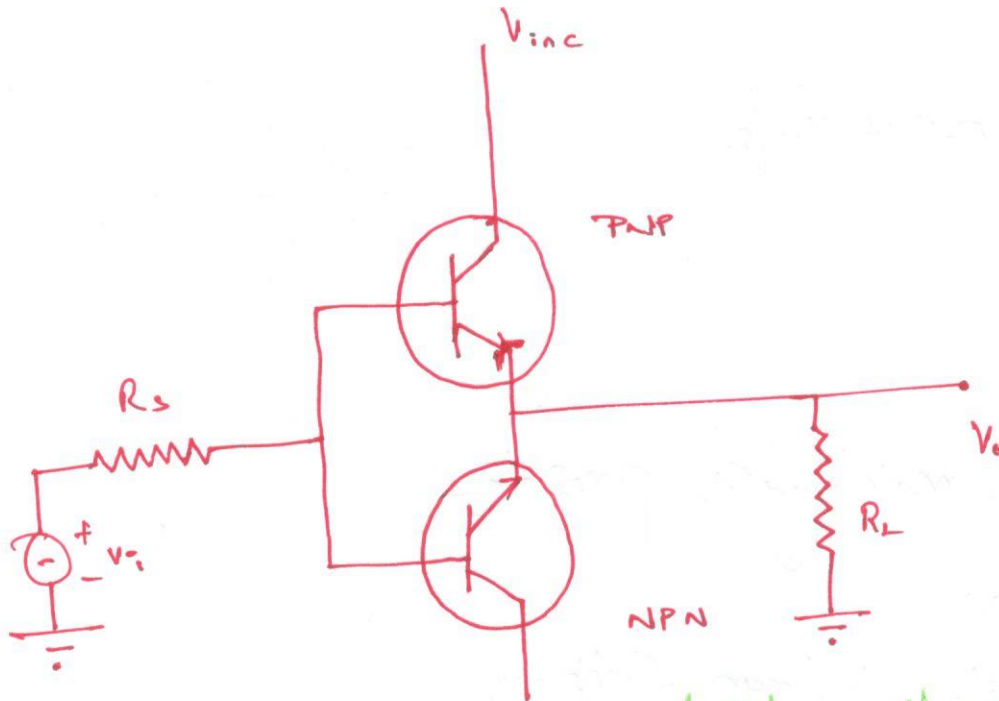


(25)

(5)

Complementary Symmetry Amplifier:



In Complementary Symmetry Amplifiers there are two type of transistors are connected one is PNP & NPN transistors. Here no centre tapped transformer are connected. when voltage is supplied Base emitter of NPN transistor is forward biased & PNP transistor is reverse biased. For the +ve half cycle. This is vice versa for negative half cycle.

Power calculations:

$$P_{ac} = \frac{1}{2} \frac{V_{cc}^2}{R_L}$$

$$V_m = V_{cc} \Rightarrow R_L = V_m / I_m$$

$$I_m = \frac{V_m}{R_L} = V_{cc} / R_L$$