

3. (a) Three resistors, each of value 3Ω , are arranged in two different arrangements as shown in Fig. 2. If the maximum allowable power for each individual resistor is 108 W , calculate the maximum power that can be dissipated by the circuits shown in Fig. 2(a) and 2(b).

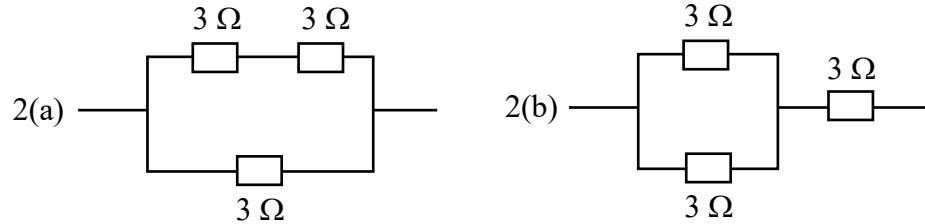


Fig. 2.

[4 marks]