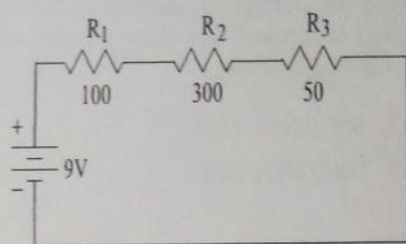
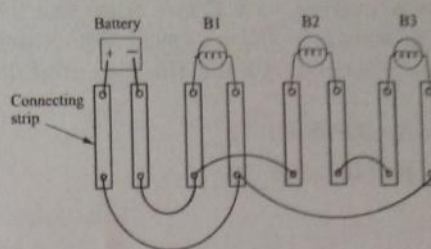




Figure 5



(a) Question number 8



(b) Question number 9

8. (2 points) For the circuit shown in Figure (5a), Table 1 lists the values for the voltage drop and current through each of the resistors. One of the resistor has become faulty. Identify that resistor and the nature of the fault.

Ans:

Table 1: Table for question 8

	R_1	R_2	R_3	Total
Voltage	0	9	0	9
Current	0	0	0	0

9. (1 point) For the circuit shown in Figure (5b), three bulbs are connected to a battery through conducting strips and wires. Initially all bulbs are glowing. After some time, the bulb B1 gets fused. Identify the bulbs which will continue to glow.

- ☐ A. B2 only will glow
☒ B. B3 only will glow
☐ C. Both B2 and B3 will glow
☐ D. None of the bulbs will glow

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