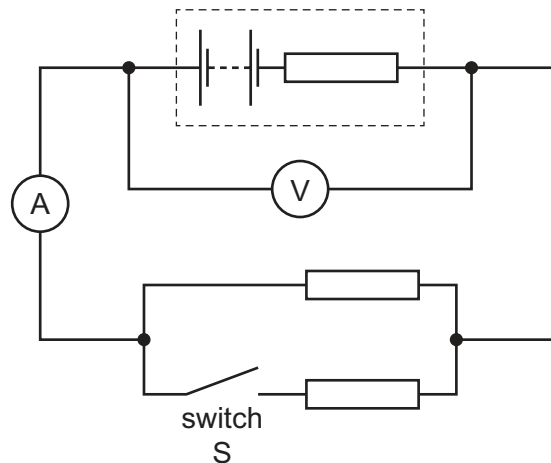


- 36** A battery, with internal resistance, is connected to a parallel arrangement of two resistors and a switch S, as shown.



Initially switch S is open.

What happens to the voltmeter and ammeter readings when switch S is closed?

	voltmeter reading	ammeter reading
A	decreases	increases
B	decreases	decreases
C	increases	increases
D	increases	decreases

- 37** A battery is connected to a network of six resistors, as shown