

35 A source of e.m.f. of 9.0 mV has an internal resistance of $6.0\ \Omega$.

It is connected across a galvanometer of resistance $30\ \Omega$.

What will be the current in the galvanometer?

A $250\ \mu\text{A}$

B $300\ \mu\text{A}$

C 1.5 mA

D 2.5 mA

Space for working