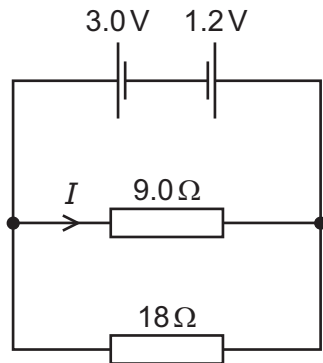


- 38** Two cells of electromotive force (e.m.f.)  $3.0\text{ V}$  and  $1.2\text{ V}$  and negligible internal resistance are connected to resistors of resistance  $9.0\ \Omega$  and  $18\ \Omega$  as shown.



What is the current  $I$  in the  $9.0\ \Omega$  resistor?

- A**  $0.10\text{ A}$                       **B**  $0.20\text{ A}$                       **C**  $0.30\text{ A}$                       **D**  $0.47\text{ A}$